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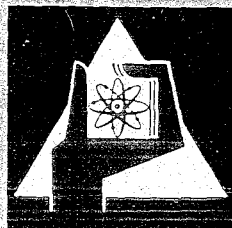
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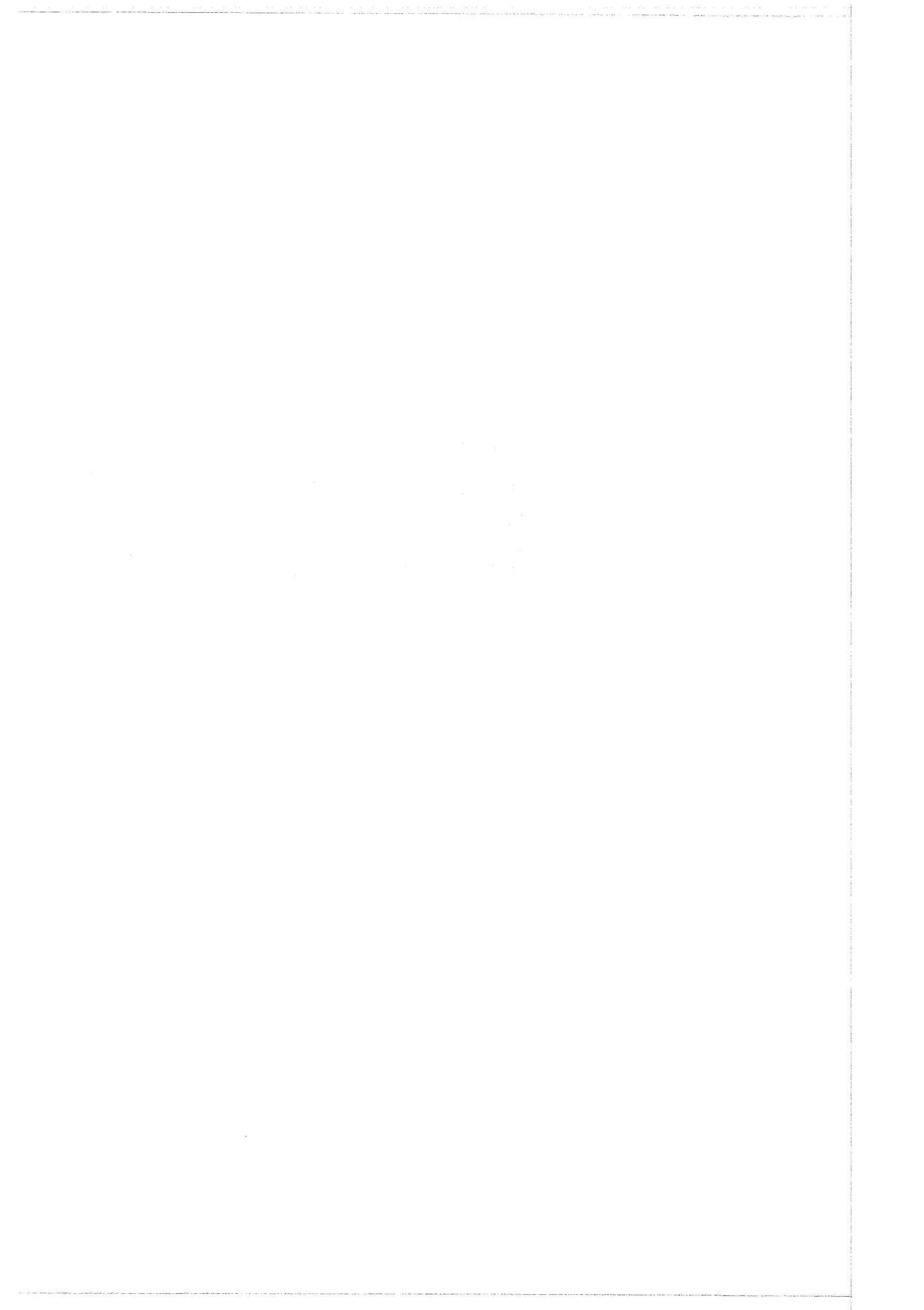
Program to Compute Correlation Coefficients, Spectral Density
Functions and Cross Spectral Density Functions

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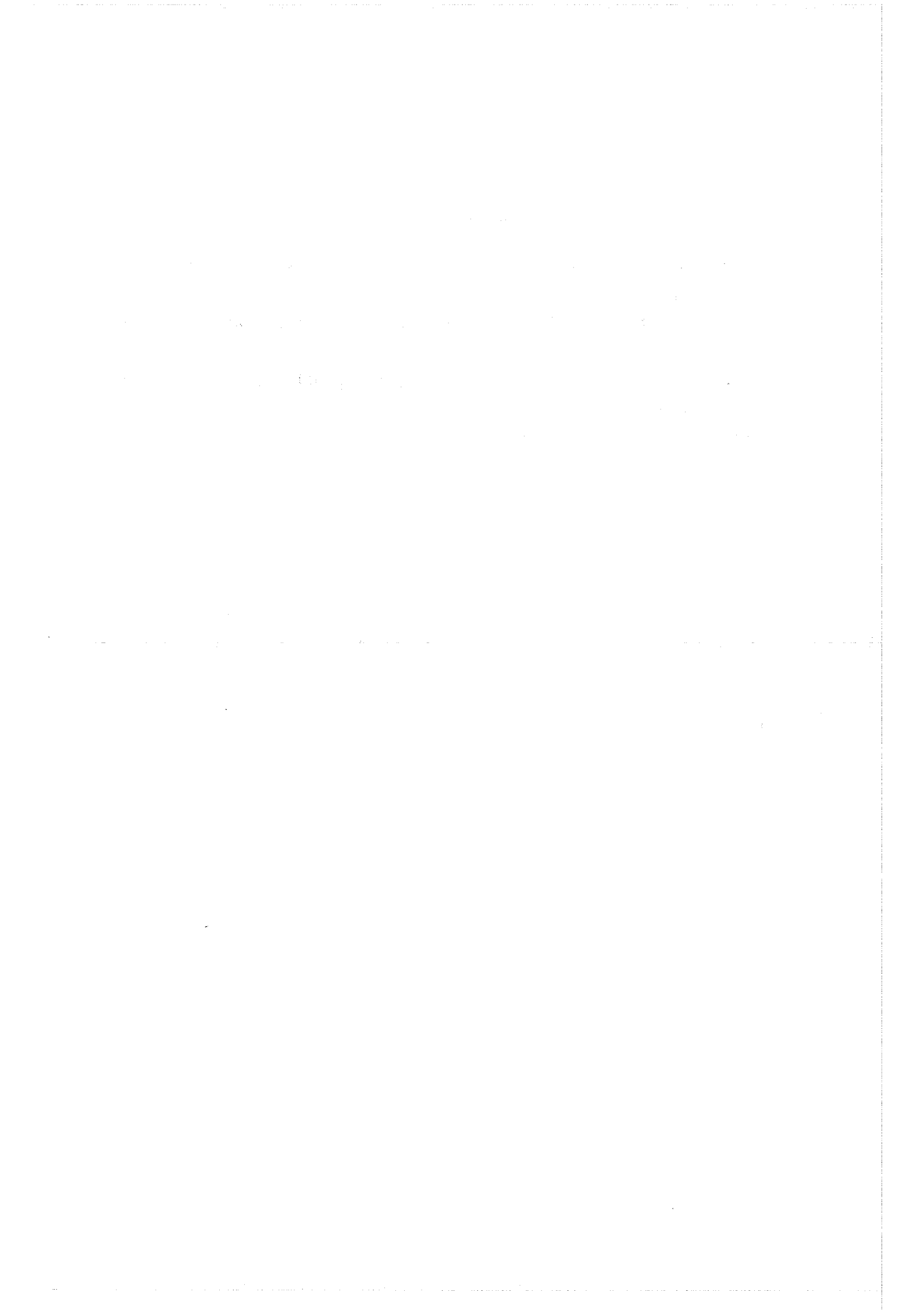
Abstract

Input to this program are at most 16 time series of which two are analysed.

The correlation coefficients for these two signals are computed first.

Then Fourier transform and smoothing are applied to the correlation coefficients.

Printed and plotted output is delivered in the both cases.



1. Definition of the problem

Given as input data is a measure matrix \underline{M} whose current element

$$\underline{M}_j^i \quad (i \text{ th row, } j \text{ th column})$$

is the measure at the i th measure point, also called the "channel" at the time t_j with

$$1 \leq i \leq m \quad \text{and} \quad 1 \leq j \leq n$$

Let us define 4 transformations:

1.1. The correlation transformation: T_1

$$\underline{r}^{i_1, i_2} = T_1(\underline{M})$$

where: \underline{r}^{i_1, i_2} is a vector of length $(p+1)$ given by:

$$\underline{r}_l^{i_1, i_2} = \frac{1}{n-1} \sum_{j=1}^{n-1} \underline{M}_j^{i_1} \underline{M}_{j+1}^{i_2}$$

for $0 \leq l \leq p$

1.2. The cosine FOURIER transformation: T_2

$\underline{y} = T_2(\underline{x})$ where \underline{x} and \underline{y} are vectors of length $(p+1)$

T_2 being defined by:

$$\underline{y}_i = 2h \left[\underline{x}_0 + 2 \sum_{l=1}^{p-1} \underline{x}_l \cos \frac{\pi i l}{p} + (-1)^i \underline{x}_p \right]$$

for $0 \leq i \leq p$ and where h is a parameter.

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1.3. The sine FOURIER transformation: T_3

$\underline{y} = T_3 (\underline{x})$ where \underline{x} and \underline{y} are vectors of length $(p+1)$

T_3 being defined by:

$$\underline{y}_i = 4h \sum_{l=1}^{p-1} \underline{x}_l \sin \frac{\pi i l}{p}$$

for $0 \leq i \leq p$.

1.4. The smoothing transformation: T_4

$\underline{y} = T_4 (\underline{x})$ where \underline{x} and \underline{y} are vectors of length $(p+1)$

T_4 being defined by:

$$\underline{y}_i = \begin{cases} 1/2 (\underline{x}_0 + \underline{x}_1) & \text{for } i = 0 \\ 1/2 \underline{x}_i + 1/4 (\underline{x}_{i-1} + \underline{x}_{i+1}) & \text{for } i = 1, \dots, p-1 \\ 1/2 (\underline{x}_{p-1} + \underline{x}_p) & \text{for } i = p \end{cases}$$

The aim of the programs P2 and P3 is to compute:

1. The correlation vectors \underline{r}^{i_1, i_1} , \underline{r}^{i_2, i_2} , \underline{r}^{i_1, i_2} and \underline{r}^{i_2, i_1}

for i_1 and i_2 given in the range $(1, m)$ with $i_1 \neq i_2$.

2. The power spectral density vectors:

$$T_4 (T_2 (\underline{r}^{i_1, i_1})) \text{ and} \\ T_4 (T_2 (\underline{r}^{i_2, i_2})).$$

3. The so-called C cross spectral density vector:

$$T_4 (T_2 (1/2 (\underline{r}^{i_1, i_2} + \underline{r}^{i_2, i_1}))).$$

4. The so-called Q cross spectral density vector:

$$T_4 (T_3 (1/2 (\underline{r}^{i_1, i_2} - \underline{r}^{i_2, i_1}))).$$

In the special case where $i_1 = i_2$:

only one correlation vector is calculated i.e.

$$\underline{r}^{i_1, i_1} ,$$

the C cross spectral density vector is identical to the power spectral density vector and the Q cross spectral density vector is equal to zero.

2. Limitations of the programs P2 and P3

The programs are built with the following assumptions:

$$\begin{aligned} m &\leq 16 \\ n &\leq 400.000 \\ p &\leq 1999 \end{aligned}$$

Moreover, the measure matrix \underline{M} is supposed to be given columnwise on a magnetic tape in blocks of 1024 measures, each block containing an integer number of columns of the matrix \underline{M} . Therefore, m must be a divisor of 1024, i.e. $m \in \{2, 4, 8, 16\}$

3. Description of the program P2

This program executes the transformation T_1 for one couple of channel indexes i_1, i_2 .

Input data are:

on a magnetic tape D=20 the measure matrix \underline{M} , columnwise in blocks of 1024 measures. (NB=m.n/1024 blocks)

on a first data card, right justified in the fields 1-10, 11-20 and 21-30 respectively:

KA =m , the number of channels (2,4,8 or 16)
NB , the number of tape blocks and
MP1=p+1, the length of the correlation vectors

on a second data card, right justified in the fields 1-10 and 11-20 respectively:

i_1 and i_2 , the channel indexes.

Output of the program:

The correlation vector \underline{r}^{i_1, i_2} of length (p+1) as a data set on magnetic tape 21.

Since it would be impossible to store 2x400.000 measures in core storage (3.200.000 bytes) it is necessary to divide the measure vectors

\underline{M}^{i_1} and \underline{M}^{i_2}
in smaller parts.

The method is therefore as follows:

$$(n-1) \underline{r}_1^{i_1, i_2} = \sum_{k=1}^{kmax} \sum_{j=j_1}^{j_2} \underline{M}_j^{i_1} \underline{M}_{j+1}^{i_2} \quad \text{for } 0 \leq l \leq p$$

where: $j_1 = 1 + 2048(k-1)$

and

$$j_2 = \begin{cases} 2048k & \text{for } k=1, \dots, kmax-1 \\ n & \text{for } k=kmax \end{cases}$$

with $2048(kmax-1) < n \leq 2048kmax$

or $kmax = \text{ceiling function of } n/2048$

(ceiling function of x = the lowest integer greater than or equal to x)

The computation can therefore be broken into parts as in $kmax$ steps.

In each computation step, at most $2048+p < 4096$ components of each measure vector are needed. It is the reason why a working matrix \underline{V} of 4096 lines and two columns is loaded from the input tape in order to provide in core storage the measures needed for the calculation of the k th contributions to the $(p+1)$ above sums.

The loading occurs through the auxiliary tape buffer vector \underline{B} in the subroutine FR.

The computation itself is executed in the subroutine CORE. The sums are cumulated in the output vector \underline{C} and after the division by $(n-1)$ this vector is stored as a data set with 21 as reference number on a magnetic tape.

4. Description of the program P3

This program computes:

the two power spectral vectors,
the C cross spectral density vector and the
the Q cross spectral density vector.

Input to this program are: $(i_1 \neq i_2)$

the four vectors: \underline{r}^{i_1, i_1} , \underline{r}^{i_2, i_2} , \underline{r}^{i_1, i_2} and \underline{r}^{i_2, i_1}

stored by P2 in four successive executions as four data sets
on a magnetic tape with respective data set labels 1,2,3 and 4.

on a first data card KA,NB and MP1 as for P2

on a second data card, right justified in the fields 1-10 and
11-20 respectively:

i_1 and i_2 the channel indexes.

on a third data card, in the field 1-10, the parameter h.

If $i_1 = i_2$, only \underline{r}^{i_1, i_1} is given on the input tape and only
one power spectral density vector is computed.

The organization of this program is straightforward:
the subroutines FR1, FR2 and TRFA compute the transformations
 T_2, T_3 and T_4 respectively.

P2 and P3 make use of some auxiliary routines:

DPLAY prepares output.

SCRIP lists the vectors in a standard fashion.

PRPLOT, PRPL, ROUND, LEVEL, NORM and CONV prepare parameters for the
DVZ plotting routine PLOTA.

A table giving a correspondence between some symbols used in this description and program variables is given in appendix 1.

5. Sample problems

5.1. Testing of the FR1 subroutine

A test program is given in appendix 2 (input listing) and 3 (results).

In this program:

$$\underline{x}_1 = \text{Cos } 1 \frac{2\pi}{p} \quad 0 \leq 1 \leq p \quad \text{and}$$

$$\underline{y} = T_2(\underline{x})$$

i.e.:

$$\underline{y}_i = 2h \left[\underline{x}_0 + 2 \sum_{l=1}^{p-1} \underline{x}_l \text{Cos } il \frac{\pi}{p} + (-1)^i \underline{x}_p \right] \quad \text{for } 0 \leq i \leq p$$

The components of \underline{x} can be viewed as the values of the function $F(t) = \text{Cos } 2t$ taken at equally spaced points in the range $[0, \pi]$.

The integral

$$\int_0^{\pi} F(t) \text{Cos } it \, dt$$

approximated by the trapezoidal rule gives then the value:

$$\frac{\pi}{2p} \left[F(0) + 2 \sum_{l=1}^{p-1} F(l \frac{\pi}{p}) \text{Cos } il \frac{\pi}{p} + (-1)^i F(\pi) \right]$$

and

$$\underline{y}_i \approx \frac{4ph}{\pi} \int_0^{\bar{u}} \cos 2t \cos it \, dt = \begin{cases} 0 & \text{for } i \neq 2 \\ 2ph & \text{for } i = 2 \end{cases}$$

Since $p = 1999$ and $h = 1$, $2ph = 3998$.

A value of 3996 can be found on the listing for $i = 2$, the other values being at most 1.04.

5.2. Testing of the FR2 subroutine

Similarly, a test program is given in appendix 4 (input listing) and 5 (results).

In this program:

$$\underline{x}_l = \sin l \frac{2\pi}{p} \quad 0 \leq l \leq p \quad \text{and}$$

$$\underline{y} = T_3(\underline{x})$$

i.e.:

$$\underline{y}_i = 4h \sum_{l=1}^{p-1} \underline{x}_l \sin il \frac{\bar{u}}{p} \quad \text{for } 0 \leq i \leq p$$

The components of \underline{x} can be viewed as the values of the function $F(t) = \sin 2t$ taken at equally spaced points in the range $[0, \bar{u}]$.

The integral

$$\int_0^{\bar{u}} F(t) \sin it \, dt$$

approximated by the trapezoidal rule gives then the value:

$$\frac{\pi}{p} \sum_{l=1}^{p-1} F\left(l \frac{\pi}{p}\right) \sin il \frac{\pi}{p}$$

and

$$y_i \approx \frac{4ph}{\kappa} \int_0^{\bar{a}} \sin 2t \sin it \, dt = \begin{cases} 0 & \text{for } i \neq 2 \\ 2ph & \text{for } i = 2 \end{cases}$$

Since $p = 1999$ and $h=1$, $2ph = 3998$.

A value of 3999 can be found on the listing for $i = 2$ and the other values are at most 1.216.

5.3. Testing the programs P2 and P3

The input listing is given in appendix 6. It includes a first step named TSDATA to simulate the measure matrix \underline{M} on external storage and a second one (overlay jobstep) where P2 and P3 are called by a supervisor program.

The results for one problem with two different channels is given in appendix 7 (output listing) and 8 (diagrams).

The results for a problem with only one channel are given in appendix 9 (output listing) and 10 (diagrams).

In these problems, the measure matrix is:

$$M_{j}^i = \begin{cases} \sin 2 \pi (j-1) \frac{f_m}{f_s} & \text{for } i \text{ odd} \\ \cos 2 \pi (j-1) \frac{f_m}{f_s} & \text{for } i \text{ even} \end{cases}$$

where $1 \leq i \leq 16$, $1 \leq j \leq 1024 \times 30 / 16 = 1920$, $f_s / f_m = 64$.

f_m is the frequency of the harmonic signals and f_s is the sampling frequency.

For $i_1 = i_2 = 5$.

$$r_{-1}^{5,5} = \frac{1}{n-1} \sum_{j=1}^{n-1} \sin 2\pi (j-1) \frac{f_m}{f_s} \sin 2\pi (j-1+1) \frac{f_m}{f_s}$$

$$\approx \frac{1}{2} \cos 2\pi \frac{f_m}{f_s} l \quad 0 \leq l \leq p$$

This curve is shown in Abb 1 "correlation coefficients for channels 5 and 5" on appendix 8. The amplitude is 0.5 and the frequency $f_m/f_s = 1/64$.

The other correlation coefficients could be checked similarly.

6. Execution times

The computing time for one run of the program P2 was approximately 40 seconds for the above cases.

It should be roughly proportional to

$$NB.LAGMAX/KA.$$

The computing time for one run of FR1 or FR2 was approximately the same.

It should be roughly proportional to

$$(LAGMAX)^2$$

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8/66-5, Dezember 1966
- J.S. Bendat Principles and applications of random noise theory.
Wiley, New York, 1968

Appendix 1

Symbol table

KA	m
NB	$m.n/1024$
MP1	$p+1$
LAGMAX	p
CHX1	i_1
CHX2	i_2
LBUF	1024
NT	$m.n = 1024.NB$
N	n
<u>V</u>	Working matrix 4096 x 2
<u>B</u>	Auxiliary tape buffer
<u>C</u>	<u>r</u>
NRUN	kmax
HFR	h

Appendix 2

```

1.//DVZC79FT JCB (DVZ,C,0),TACK,PRTY=5,CLASS=B,MSGLEVEL=(1,1)
2.// EXEC FHCLG,PARM.C='CPT=2',TIME.G=5
3.//C.SYSIN DD *
4.     INTEGER W
5.     DIMENSION X(2000),Y(2000)
6.     COMMON /TABLE/ TAB(4000)
7.     COMMON /PAR/ NB,KA,NG,MPI,MDU,  N,CHX1,CHX2,T,W,KAA,NT
8.     COMMON /FREQ/ HFR
9.     W=C
10.    HFR=1.
11.    PI=3.14159
12.    M=1999
13.    DA=2*PI/M
14.    MPI=M+1
15.    A=C.
16.    DO 1 I=1,MPI
17.      X(I)=CCS(A)
18.      1 A=A+DA
19.      TAB(I)=1.
20.      TAB(MPI+M)=1.
21.      TAB(MPI)=-1.
22.      CA=PI/M
23.      A=DA
24.      DO5000 I=2,M
25.        TAB(I)=COS(A)
26. 5000 A=A+CA
27.        DO 5001 I=2,M
28. 5001 TAB(I+M )=-TAB(I)
29.        T=ZEIT(C.)
30.        CALL FR1(X,Y)
31.        T=ZEIT(T)
32.        WRITE(6,200)T
33.        CALL SCRIP(Y)
34.        STOP
35. 200 FORMAT(//'DURATION IN SECCNDS:',G20.8//)
36.    END
37.    SUBROUTINE FR1(X,Y)                                375
38.    INTEGER DITAB,DM                                  376
39.    DIMENSION X(2000),Y(2000)                          377
40.    COMMON /TABLE/ TAB(4000)                            378
41.    COMMON /PAR/ NB,KA,NG,MPI,MDU,  N,CHX1,CHX2,T,W,KAA,NT  379
42.C    MDU=DUMMY                                         380
43.    COMMON /FREQ/ HFR                                    381
44.    M=MPI-1                                             382
45.    NTAB=MPI+M                                         383
46.    DM=NTAB-1                                          384
47.C    SLMATION TERMS.                                  385
48.    DO 1 NF=1,M                                        386
49.      CITAB=NF-1                                       387
50.      ITAB=1                                           388
51.      Y(NF)=C.                                         389
52.      DO 8 LF=2,M                                       390
53.        ITAB=ITAB+DITAB                                391
54.        IF(ITAB.GE.NTAB)ITAB=ITAB-DM                  392
55.        Y(NF)=Y(NF)+X(LF)*TAB(ITAB)                   393
56.      8 CCNTINUE                                       394
57.      1 CONTINUE                                       395
58.      Y(MPI)=C.                                        396
59.      DO 2 LF=2,M,2                                    397
60.      2 Y(MPI)=Y(MPI)-X(LF)                            398

```

61.	DC 3 LF=3,M,2	399
62.	3 Y(MP1)=Y(MP1)+X(LF)	400
63.C	DCOUBLING THE SUM.	401
64.	DC 4 NF=1,MP1	402
65.	4 Y(NF)=2.*Y(NF)	403
66.	DO 5 NF=1,MP1,2	404
67.	5 Y(NF)=Y(NF)+X(MP1)	405
68.	DC 6 NF=2,MP1,2	406
69.	6 Y(NF)=Y(NF)-X(MP1)	407
70.	DO 7 NF=1,MP1	408
71.	7 Y(NF)=2.*HFR*(Y(NF)+X(1))	409
72.	RETURN	410
73.	END	411
74.	SUBROUTINE SCRIP(Y)	447
75.	INTEGER CHX1,CHX2,R,W	448
76.	DIMENSION Y(2000)	449
77.	COMMON /PAR/ NB,KA,NG,MP1,M, N,CHX1,CHX2,R,W,KAA,NT	450
78.	WRITE(W,202)	451
79.	LAG=0	452
80.	LL=1	453
81.	L1=1	454
82.	L2=10	455
83.	4 IF(L2-MP1)2,3,3	456
84.	3 L2=MP1	457
85.	LL=2	458
86.	2 WRITE(W,203) LAG,(Y(L),L=L1,L2)	459
87.	IF(MOD(LAG,60).EQ.0.AND.LAG.NE.0)WRITE(W,200)	460
88.	LAG=LAG+1	461
89.	L1=L1+10	462
90.	L2=L2+10	463
91.	GO TO(4,5),LL	464
92.	5 RETURN	465
93.	200 FORMAT('1')	466
94.	202 FORMAT(16X,1H0,11X,	467
95.	11H1,11X,	468
96.	21H2,11X,	469
97.	31H3,11X,	470
98.	41H4,11X,	471
99.	51H5,11X,	472
100.	61H6,11X,	473
101.	71H7,11X,	474
102.	81H8,11X,	475
103.	91H9)	476
104.	203 FORMAT(1H ,I3,5X,1CE12.4)	477
105.	END	478
106.//G.FIC&FCCI DD SYSOUT=D		
107.//		//

	0	1	2	3	4	5	6	7	8	9
0	-0.1995E-01	0.1041E-01	0.3996E-01	-0.2314E-00	0.7093E-00	0.1843E-00	0.2627E-00	0.1767E-00	0.1250E-00	0.1338E-00
1	0.6559E-01	0.1138E-00	0.4183E-01	0.1074E-00	0.3321E-01	0.9658E-01	0.2893E-01	0.9401E-01	0.2569E-01	0.8619E-01
2	0.2032E-01	0.7698E-01	0.1547E-01	0.7156E-01	0.1223E-01	0.6624E-01	0.1023E-01	0.6359E-01	0.9750E-02	0.6051E-01
3	0.1031E-01	0.5855E-01	0.8722E-02	0.5438E-01	0.6683E-02	0.5098E-01	0.6476E-02	0.4850E-01	0.5316E-02	0.4678E-01
4	0.4755E-02	0.4463E-01	0.4522E-02	0.4298E-01	0.4431E-02	0.4121E-01	0.3725E-02	0.3918E-01	0.3065E-02	0.3730E-01
5	0.2634E-02	0.3603E-01	0.2598E-02	0.3509E-01	0.2785E-02	0.3413E-01	0.2794E-02	0.3309E-01	0.2590E-02	0.3191E-01
6	0.2068E-02	0.3066E-01	0.2010E-02	0.2964E-01	0.1814E-02	0.2884E-01	0.1988E-02	0.2836E-01	0.2003E-02	0.2768E-01
7	0.1925E-02	0.2687E-01	0.1614E-02	0.2601E-01	0.1495E-02	0.2529E-01	0.1377E-02	0.2471E-01	0.1570E-02	0.2423E-01
8	0.1515E-02	0.2373E-01	0.1553E-02	0.2323E-01	0.1402E-02	0.2270E-01	0.1450E-02	0.2198E-01	0.1146E-02	0.2132E-01
9	0.1173E-02	0.2113E-01	0.1236E-02	0.2071E-01	0.1343E-02	0.2050E-01	0.1171E-02	0.1996E-01	0.1080E-02	0.1959E-01
10	0.9805E-03	0.1915E-01	0.9900E-03	0.1885E-01	0.1068E-02	0.1854E-01	0.1101E-02	0.1832E-01	0.2699E-02	0.1802E-01
11	0.9729E-03	0.1749E-01	0.9652E-03	0.1721E-01	0.8737E-03	0.1704E-01	0.9366E-03	0.1682E-01	0.9748E-03	0.1660E-01
12	0.1070E-02	0.1659E-01	0.9443E-03	0.1582E-01	0.8203E-03	0.1569E-01	0.8413E-03	0.1545E-01	0.8260E-03	0.1517E-01
13	0.1164E-02	0.1499E-01	0.9614E-03	0.1464E-01	0.9729E-03	0.1464E-01	0.9671E-03	0.1441E-01	0.7802E-03	0.1429E-01
14	0.8661E-03	0.1402E-01	0.8146E-03	0.1403E-01	0.8470E-03	0.1375E-01	0.8584E-03	0.1365E-01	0.5678E-02	0.1330E-01
15	0.8641E-03	0.1305E-01	0.8107E-03	0.1306E-01	0.8107E-03	0.1296E-01	0.7745E-03	0.1273E-01	0.8546E-03	0.1262E-01
16	0.4019E-02	0.1244E-01	0.7039E-03	0.1213E-01	0.8146E-03	0.1212E-01	0.7726E-03	0.1206E-01	0.1047E-02	0.1182E-01
17	0.8260E-03	0.1176E-01	0.8298E-03	0.1143E-01	0.8641E-03	0.1162E-01	0.8985E-03	0.1150E-01	0.7230E-03	0.1140E-01
18	0.7879E-03	0.1118E-01	0.9156E-03	0.1108E-01	0.8260E-03	0.1093E-01	0.2047E-02	0.1082E-01	0.8317E-03	0.1080E-01
19	0.7802E-03	0.1046E-01	0.7573E-03	0.1047E-01	0.8661E-03	0.1047E-01	0.7821E-03	0.1037E-01	0.8394E-03	0.1028E-01
20	0.7421E-03	0.1012E-01	0.7592E-03	0.1003E-01	0.7917E-03	0.9654E-02	0.7669E-03	0.9915E-02	0.9576E-03	0.9762E-02
21	0.7917E-03	0.9638E-02	0.7383E-03	0.9566E-02	0.8031E-03	0.9495E-02	0.7898E-03	0.9476E-02	0.8546E-03	0.9362E-02
22	0.8451E-03	0.9273E-02	0.8317E-03	0.9133E-02	0.7478E-03	0.9090E-02	0.7173E-03	0.8997E-02	0.8146E-03	0.9015E-02
23	0.7917E-03	0.8899E-02	0.8489E-03	0.8750E-02	0.8165E-03	0.5429E-02	0.8470E-03	0.8900E-02	0.7859E-03	0.8758E-02
24	0.8336E-03	0.8672E-02	0.7917E-03	0.8525E-02	0.8966E-03	0.8527E-02	0.1738E-02	0.8451E-02	0.7955E-03	0.8402E-02
25	0.7955E-03	0.8288E-02	0.8355E-03	0.8134E-02	0.8222E-03	0.8206E-02	0.8336E-03	0.8167E-02	0.3048E-02	0.8092E-02
26	0.8355E-03	0.8121E-02	0.8451E-03	0.8079E-02	0.8680E-03	0.8024E-02	0.8355E-03	0.7409E-02	0.8470E-03	0.7779E-02
27	0.8527E-03	0.7843E-02	0.9366E-03	0.7620E-02	0.8374E-03	0.7551E-02	0.8107E-03	0.7629E-02	0.8661E-03	0.7995E-02
28	0.9061E-03	0.7572E-02	0.8756E-03	0.7498E-02	0.9710E-03	0.7467E-02	0.8584E-03	0.7357E-02	0.8146E-03	0.7247E-02
29	0.9080E-03	0.7307E-02	0.9691E-03	0.7350E-02	0.8718E-03	0.7269E-02	0.8947E-03	0.7095E-02	0.1055E-02	0.7105E-02
30	0.8279E-03	0.7144E-02	0.8680E-03	0.6974E-02	0.8794E-03	0.7106E-02	0.9309E-03	0.7437E-02	0.9519E-03	0.6720E-02
31	0.8756E-03	0.6728E-02	0.8775E-03	0.6758E-02	0.8603E-03	0.6713E-02	0.9042E-03	0.6731E-02	0.9080E-03	0.6622E-02
32	0.8718E-03	0.6697E-02	0.1036E-02	0.6555E-02	0.8370E-03	0.6573E-02	0.8641E-03	0.6574E-02	0.9099E-03	0.6492E-02
33	0.9252E-03	0.6510E-02	0.9099E-03	0.6452E-02	0.9042E-03	0.6410E-02	0.9271E-03	0.6368E-02	0.9004E-03	0.6310E-02
34	0.9023E-03	0.6221E-02	0.8584E-03	0.6299E-02	0.9214E-03	0.6264E-02	0.9576E-03	0.5986E-02	0.8966E-03	0.6230E-02
35	0.9080E-03	0.6122E-02	0.9004E-03	0.6050E-02	0.8527E-03	0.6085E-02	0.8775E-03	0.5861E-02	0.1759E-02	0.5781E-02
36	0.1038E-02	0.5489E-02	0.9004E-03	0.2550E-02	0.9652E-03	0.6938E-02	0.9137E-03	0.6348E-02	0.9652E-03	0.6316E-02
37	0.8870E-03	0.6101E-02	0.9366E-03	0.6073E-02	0.9557E-03	0.6021E-02	0.9214E-03	0.6000E-02	0.9633E-03	0.5988E-02
38	0.9309E-03	0.5354E-02	0.9042E-03	0.5763E-02	0.1085E-02	0.5846E-02	0.1036E-02	0.6234E-02	0.9958E-03	0.5745E-02
39	0.3449E-02	0.5700E-02	0.1898E-02	0.5690E-02	0.9786E-03	0.5672E-02	0.9919E-03	0.5597E-02	0.9938E-03	0.5661E-02
40	0.1013E-02	0.5558E-02	0.1030E-02	0.5573E-02	0.9462E-03	0.5580E-02	0.1011E-02	0.5599E-02	0.2115E-02	0.5539E-02
41	0.2874E-02	0.5369E-02	0.9977E-03	0.5391E-02	0.1001E-02	0.5415E-02	0.1022E-02	0.5447E-02	0.9996E-03	0.5397E-02
42	0.5519E-03	0.5179E-02	0.9862E-03	0.5304E-02	0.9958E-03	0.5297E-02	0.9786E-03	0.5265E-02	0.1007E-02	0.5220E-02
43	0.9633E-03	0.5274E-02	0.9767E-03	0.5297E-02	0.1024E-02	0.5136E-02	0.9652E-03	0.5172E-02	0.9919E-03	0.5150E-02
44	0.1001E-02	0.5143E-02	0.1118E-02	0.5246E-02	0.5421E-01	0.4940E-02	0.9862E-03	0.4991E-02	0.1007E-02	0.5014E-02
45	0.1030E-02	0.4992E-02	0.9576E-03	0.4890E-02	0.9996E-03	0.4908E-02	0.1011E-02	0.5354E-02	0.9786E-03	0.4932E-02
46	0.9576E-03	0.4867E-02	0.9423E-03	0.4865E-02	0.9385E-03	0.4934E-02	0.8985E-03	0.4762E-02	0.9652E-03	0.4568E-02
47	0.9938E-03	0.5333E-02	0.9366E-03	0.4921E-02	0.9595E-03	0.4775E-02	0.8985E-03	0.4762E-02	0.9595E-03	0.4712E-02
48	0.9214E-03	0.4669E-02	0.9156E-03	0.4764E-02	0.9462E-03	0.4572E-02	0.9290E-03	0.4615E-02	0.9061E-03	0.4590E-02
49	0.9423E-03	0.4643E-02	0.9233E-03	0.4615E-02	0.9004E-03	0.4541E-02	0.8985E-03	0.4532E-02	0.8909E-03	0.4521E-02
50	0.8584E-03	0.4513E-02	0.9786E-03	0.4489E-02	0.9366E-03	0.4413E-02	0.8756E-03	0.4381E-02	0.9042E-03	0.4478E-02
51	0.8794E-03	0.4468E-02	0.9233E-03	0.4330E-02	0.8737E-03	0.4293E-02	0.8203E-03	0.4327E-02	0.8718E-03	0.4310E-02
52	0.9099E-03	0.4062E-02	0.9462E-03	0.4428E-02	0.8870E-03	0.4247E-02	0.8432E-03	0.4325E-02	0.2371E-02	0.4314E-02
53	0.8813E-03	0.4304E-02	0.8737E-03	0.3627E-02	0.8413E-03	0.4120E-02	0.8889E-03	0.3906E-02	0.8699E-03	0.4203E-02
54	0.8737E-03	0.4180E-02	0.8451E-03	0.4169E-02	0.8603E-03	0.4100E-02	0.8088E-03	0.4114E-02	0.8699E-03	0.4049E-02
55	0.8928E-03	0.3990E-02	0.8527E-03	0.4123E-02	0.8050E-03	0.4062E-02	0.8928E-03	0.4105E-02	0.7917E-03	0.4095E-02
56	0.7879E-03	0.4193E-02	0.8260E-03	0.4212E-02	0.8222E-03	0.4214E-02	0.8413E-03	0.4394E-02	0.8508E-03	0.4824E-02
57	0.8851E-03	0.6139E-04	0.8336E-03	0.2605E-02	0.8394E-03	0.3227E-02	0.7993E-03	0.3387E-02	0.1225E-02	0.3501E-02
58	0.7859E-03	0.3521E-02	0.7936E-03	0.3532E-02	0.1120E-02	0.3349E-02	0.7840E-03	0.3543E-02	0.7459E-03	0.3637E-02
59	0.8012E-03	0.3589E-02	0.8336E-03	0.3460E-02	0.8413E-03	0.3544E-02	0.7554E-03	0.3523E-02	0.8050E-03	0.3573E-02
60	0.7325E-03	0.3507E-02	0.7764E-03	0.3542E-02	0.8947E-03	0.3553E-02	0.7669E-03	0.3506E-02	0.8775E-03	0.3487E-02

61	C.7879E-03	0.3519E-02	C.8031E-03	0.3569E-02	0.7497E-03	0.2995E-02	0.7993E-03	0.3300E-02	0.7554E-03	0.3342E-02
62	C.8279E-03	0.3420E-02	0.7440E-03	0.3390E-02	0.7268E-03	0.3374E-02	0.7344E-03	0.3375E-02	0.7440E-03	0.3329E-02
63	C.8603E-03	0.3368E-02	0.7535E-03	0.3261E-02	0.7306E-03	0.3261E-02	0.7764E-03	0.3234E-02	0.7497E-03	0.3190E-02
64	0.7173E-03	0.3247E-02	0.8661E-03	0.3224E-02	0.7039E-03	0.3410E-02	0.7192E-03	0.3171E-02	0.7631E-03	0.3224E-02
65	C.6906E-03	0.3304E-02	C.7554E-03	0.3217E-02	0.6963E-03	0.3130E-02	0.7077E-03	0.3085E-02	0.7325E-03	0.3118E-02
66	C.7383E-03	0.3102E-02	C.6658E-03	0.3142E-02	0.7612E-03	0.3101E-02	0.6658E-03	0.3039E-02	0.6944E-03	0.3047E-02
67	C.6696E-03	0.3005E-02	0.6772E-03	0.3073E-02	0.7707E-03	0.3081E-02	0.7554E-03	0.2951E-02	0.7020E-03	0.2965E-02
68	0.6677E-03	0.2918E-02	C.6849E-03	0.2954E-02	0.7001E-03	0.2862E-02	0.7173E-03	0.2864E-02	0.7192E-03	0.2690E-02
69	0.7936E-03	0.2974E-02	C.6505E-03	0.2782E-02	0.7192E-03	0.2386E-02	0.7039E-03	0.2843E-02	0.7211E-03	0.2826E-02
70	0.6963E-03	0.2771E-02	0.6925E-03	0.2679E-02	0.6448E-03	0.2113E-02	0.6772E-03	0.3007E-02	0.6429E-03	0.2818E-02
71	C.6868E-03	0.2710E-02	0.1373E-02	0.2738E-02	0.6467E-03	0.2671E-02	0.6429E-03	0.2718E-02	0.6830E-03	0.2577E-02
72	C.6353E-03	0.2786E-02	C.6753E-03	0.2381E-02	0.6467E-03	0.1974E-02	0.6353E-03	-0.2911E-02	0.6486E-03	0.3312E-02
73	C.6772E-03	0.2965E-02	0.1337E-02	0.2823E-02	0.6505E-03	0.2761E-02	0.6429E-03	0.2712E-02	0.6410E-03	0.2677E-02
74	0.6582E-03	0.2521E-02	0.6143E-03	0.2556E-02	0.6257E-03	0.2581E-02	0.6086E-03	0.2508E-02	0.7478E-03	0.2552E-02
75	0.6257E-03	0.2495E-02	C.6124E-03	0.2437E-02	0.6067E-03	0.2405E-02	0.6200E-03	0.2401E-02	0.5800E-03	0.2355E-02
76	0.6105E-03	0.2519E-02	0.6143E-03	0.2267E-02	0.6047E-03	0.2154E-02	0.5914E-03	0.2154E-02	0.5819E-03	0.2079E-02
77	0.8355E-03	0.2032E-02	C.5780E-03	0.1997E-02	0.5437E-03	0.1969E-02	0.5971E-03	0.1864E-02	0.7230E-03	0.1818E-02
78	C.6009E-03	0.1692E-02	C.6315E-03	0.1607E-02	0.5857E-03	0.1404E-02	0.5819E-03	0.1182E-02	0.5838E-03	0.9614E-03
79	0.5952E-03	0.5721E-03	C.5857E-03	-0.6294E-04	0.5456E-03	-0.1184E-02	0.5819E-03	-0.4278E-02	0.6143E-03	-0.5010E-01
80	0.1037E-03	0.1602E-01	C.5170E-03	0.7726E-02	0.6047E-03	0.5791E-02	0.5685E-03	0.4880E-02	0.5800E-03	0.4353E-02
81	C.5609E-03	0.4027E-02	C.5037E-03	0.3788E-02	0.5914E-03	0.3585E-02	0.5113E-03	0.3491E-02	0.5819E-03	0.3345E-02
82	0.5552E-03	0.3217E-02	0.7325E-03	0.3127E-02	0.6772E-03	0.3118E-02	0.5952E-03	0.2684E-02	0.6143E-03	0.3023E-02
83	0.5151E-03	0.2957E-02	0.5475E-03	0.2924E-02	0.5265E-03	0.2873E-02	0.5704E-03	0.2941E-02	0.6219E-03	0.2784E-02
84	0.5399E-03	0.2816E-02	0.5151E-03	0.2706E-02	0.5399E-03	0.2701E-02	0.5647E-03	0.2738E-02	0.3491E-02	0.2642E-02
85	0.5456E-03	0.2649E-02	0.1419E-02	0.2627E-02	0.5113E-03	0.2714E-02	0.5265E-03	0.2520E-02	0.4998E-03	0.2569E-02
86	0.5399E-03	0.2524E-02	0.5037E-03	0.2488E-02	0.5513E-03	0.2526E-02	0.5132E-03	0.2548E-02	0.5113E-03	0.7898E-03
87	0.4884E-03	0.2490E-02	C.5780E-03	0.2447E-02	0.5037E-03	0.2444E-02	0.5227E-03	0.2510E-02	0.5323E-03	0.2389E-02
88	C.4960E-03	0.2342E-02	0.5037E-03	0.2398E-02	0.4789E-03	0.2407E-02	0.5056E-03	0.2420E-02	0.5361E-03	0.2204E-02
89	0.4617E-03	0.2318E-02	0.4636E-03	0.2277E-02	0.4598E-03	0.2196E-02	0.4789E-03	0.2231E-02	0.5037E-03	0.2272E-02
90	0.4846E-03	0.2093E-02	C.4693E-03	0.2379E-02	0.4750E-03	0.2253E-02	0.5094E-03	0.2217E-02	0.4865E-03	0.2169E-02
91	0.4827E-03	0.2227E-02	C.5189E-03	0.2164E-02	0.4941E-03	0.2225E-02	0.4655E-03	0.2135E-02	0.4522E-03	0.2196E-02
92	C.5037E-03	0.2273E-02	C.4979E-03	0.1443E-02	0.4483E-03	0.2014E-02	0.4770E-03	0.2020E-02	0.4312E-03	0.2006E-02
93	0.4274E-03	0.1928E-02	C.4503E-03	0.2022E-02	0.4731E-03	0.1982E-02	0.4541E-03	0.1952E-02	0.4674E-03	0.1840E-02
94	0.4483E-03	0.3418E-02	C.4693E-03	0.2116E-02	0.4236E-03	0.1884E-02	0.4503E-03	0.2092E-02	0.4584E-03	0.2046E-02
95	0.6696E-03	0.2145E-02	C.9094E-02	0.1911E-02	0.4369E-03	0.1961E-02	0.4331E-03	0.1956E-02	0.4083E-03	0.1866E-02
96	0.4789E-03	0.1930E-02	C.4483E-03	0.1839E-02	0.4731E-03	0.2296E-02	0.3968E-03	0.1942E-02	0.4464E-03	0.2038E-02
97	0.4770E-03	0.1845E-02	0.4197E-03	0.1924E-02	0.4045E-03	0.1816E-02	0.4140E-03	0.1892E-02	0.3988E-03	0.1706E-02
98	0.4121E-03	C.1836E-02	C.1055E-02	0.1791E-02	0.4216E-03	0.1827E-02	0.4102E-03	0.1825E-02	0.3854E-03	0.1816E-02
99	0.7154E-03	0.1849E-02	0.5685E-03	0.1806E-02	0.3778E-03	0.1797E-02	0.4636E-03	0.1768E-02	0.4102E-03	0.1756E-02
100	0.3759E-03	0.1807E-02	0.4369E-03	0.1723E-02	0.4102E-03	0.1695E-02	0.4426E-03	0.1742E-02	0.4007E-03	0.1714E-02
101	0.6582E-03	0.1684E-02	C.4026E-03	0.1701E-02	0.3911E-03	0.1675E-02	0.4197E-03	0.1684E-02	0.4007E-03	0.1752E-02
102	C.3797E-03	0.1650E-02	C.3930E-03	0.1748E-02	0.3892E-03	0.1842E-02	0.3511E-03	0.1611E-02	0.3748E-02	0.1643E-02
103	0.4121E-03	0.1578E-02	C.3625E-03	0.1697E-02	0.3721E-03	0.1664E-02	0.4140E-03	0.1457E-02	0.3873E-03	0.1557E-02
104	0.3873E-03	0.1515E-02	0.3911E-03	0.6520E-03	0.3549E-03	0.1647E-02	0.3701E-03	0.1606E-02	0.7344E-03	0.1558E-02
105	C.6448E-03	0.1565E-02	0.5940E-02	0.1493E-02	0.3549E-03	0.1552E-02	0.3568E-03	0.1540E-02	0.3721E-03	0.1518E-02
106	C.3988E-03	0.1539E-02	C.3606E-03	0.1516E-02	0.3282E-03	0.1639E-02	0.1852E-01	0.1249E-02	0.3759E-03	0.1383E-02
107	0.3587E-03	0.1379E-02	C.3473E-03	0.1379E-02	0.3492E-03	0.1386E-02	0.3892E-03	0.1356E-02	0.3110E-03	0.1295E-02
108	0.3568E-03	0.1339E-02	C.3511E-03	0.1255E-02	0.3721E-03	0.1185E-02	0.3396E-03	0.1031E-02	0.3492E-03	0.4216E-03
109	0.3377E-03	0.3691E-02	C.3701E-03	0.1906E-02	0.3072E-03	0.1660E-02	0.3244E-03	0.1587E-02	0.3320E-03	0.1528E-02
110	C.3358E-03	0.1473E-02	0.3225E-03	0.2354E-02	0.3511E-03	0.1510E-02	0.3148E-03	0.1464E-02	0.3282E-03	0.1408E-02
111	0.3263E-03	0.1388E-02	0.3396E-03	0.1391E-02	0.3301E-03	0.1377E-02	0.3396E-03	0.1433E-02	0.3244E-03	0.1304E-02
112	C.3511E-03	0.1414E-02	0.3225E-03	0.1473E-02	0.3625E-03	0.1385E-02	0.3263E-03	0.1428E-02	0.3186E-03	0.1415E-02
113	C.3110E-03	0.1360E-02	C.3110E-03	0.1416E-02	0.2996E-03	0.1480E-02	0.3148E-03	0.1613E-02	0.3625E-03	0.1758E-02
114	0.3434E-03	0.2889E-02	0.4987E-01	-0.2325E-02	0.2958E-03	0.3482E-03	0.3206E-03	0.6942E-03	0.2939E-03	0.7986E-03
115	C.2958E-03	0.8594E-03	0.1438E-02	0.8897E-03	0.2881E-03	0.1114E-02	0.3053E-03	0.8875E-03	0.3129E-03	0.8942E-03
116	C.2900E-03	0.1008E-02	C.2900E-03	0.5814E-03	0.9366E-03	0.8887E-03	0.2710E-03	0.9149E-03	0.2652E-03	0.8291E-03
117	C.2996E-03	0.8446E-03	0.2824E-03	0.8062E-03	0.2843E-03	0.5382E-03	0.1189E-01	0.1208E-02	0.2843E-03	0.9705E-03
118	C.2691E-03	0.9545E-03	0.5571E-03	0.9664E-03	0.3129E-03	0.7321E-03	0.3434E-03	0.8315E-03	0.2538E-03	0.9063E-03
119	0.2824E-03	0.8467E-03	C.2767E-03	0.8322E-03	0.2671E-03	0.8324E-03	0.5533E-03	0.8296E-03	0.3110E-03	0.7778E-03
120	C.2519E-03	0.8262E-03	C.4369E-03	0.7542E-03	0.2977E-03	0.7800E-03	0.2900E-03	0.6555E-03	0.2500E-03	0.7745E-03

121	C.2500E-C3	0.7941E-C3	0.2710E-C3	0.6305E-C3	0.2500E-C3	0.6131E-C3	0.2710E-C3	0.1348E-02	0.2481E-03	0.7008E-03
122	0.2557E-C3	0.6770E-03	0.2557E-03	0.6410E-03	0.2881E-03	0.6689E-03	0.2633E-03	0.7013E-03	0.2862E-03	0.8141E-03
123	C.1286E-C1	0.2223E-03	C.2404E-03	0.4402E-03	0.2424E-03	0.4286E-03	0.2519E-03	0.4610E-03	0.2576E-03	0.4095E-03
124	C.2614E-C3	0.6515E-C3	C.2424E-03	0.4250E-03	0.2767E-03	0.3253E-03	0.2271E-03	0.3761E-03	0.2385E-03	0.3458E-03
125	0.2176E-C3	0.2838E-03	0.2271E-03	0.2333E-03	0.2385E-03	0.2362E-03	0.2156E-03	0.2819E-03	0.2176E-03	0.1875E-03
126	C.2347E-03	0.1761E-03	C.2500E-03	0.8690E-04	0.2424E-03	0.6974E-04	0.2252E-03	0.5639E-04	0.2462E-03	0.1752E-04
127	C.2176E-C3	-0.2289E-C4	C.2042E-03	-0.7057E-04	0.2404E-03	-0.9537E-04	0.2127E-02	-0.1640E-03	0.2614E-03	-0.2747E-03
128	C.2958E-C3	-0.2613E-03	C.2080E-03	-0.3452E-03	0.2195E-03	-0.4005E-03	0.2309E-03	-0.4921E-03	0.2366E-03	-0.5989E-03
129	0.2290E-C3	-0.6027E-03	0.2156E-03	-0.7362E-03	0.2042E-03	-0.7973E-03	0.2404E-03	-0.8736E-03	0.2176E-03	-0.1053E-02
130	C.2042E-C3	-0.1234E-02	C.2080E-03	-0.1360E-02	0.2557E-03	-0.1587E-02	0.2042E-03	-0.1766E-02	0.1947E-03	-0.1987E-02
131	0.2233E-03	-0.2218E-02	0.2366E-03	-0.2590E-02	0.2214E-03	-0.3033E-02	0.1928E-03	-0.3569E-02	0.7020E-03	-0.4229E-02
132	C.2042E-C3	-0.5144E-02	0.2233E-03	-0.6472E-02	0.1966E-03	-0.8471E-02	0.2156E-03	-0.1180E-01	0.1928E-03	-0.1922E-01
133	C.2500E-C3	-0.5047E-01	0.5763E 00	-0.7246E-01	0.3377E-03	0.3438E-01	0.2080E-03	0.1789E-01	0.1527E-03	0.1244E-01
134	0.2195E-C3	0.9613E-02	C.3034E-03	0.7932E-02	0.2671E-03	0.6780E-02	0.1851E-03	0.5964E-02	0.2099E-03	0.5314E-02
135	0.7306E-C3	0.4883E-02	C.1909E-03	0.4476E-02	0.1756E-03	0.4140E-02	0.1928E-03	0.3872E-02	0.1928E-03	0.3625E-02
136	C.1794E-03	0.3430E-02	C.1966E-03	0.3230E-02	0.7554E-03	0.3038E-02	0.1756E-03	0.2968E-02	0.1737E-03	0.2825E-02
137	C.1832E-03	0.2836E-02	0.1947E-03	0.2622E-02	0.1947E-03	0.2552E-02	0.2176E-03	0.2424E-02	0.1947E-03	0.2533E-02
138	C.1851E-C3	0.2268E-02	C.4998E-03	0.2269E-02	0.1508E-03	0.2207E-02	0.5399E-03	0.1754E-02	0.1851E-03	0.2026E-02
139	0.1699E-03	0.2393E-02	0.1642E-03	0.2024E-02	0.1546E-03	0.2027E-02	0.1603E-03	0.1918E-02	0.1756E-03	0.1888E-02
140	C.1699E-C3	0.1864E-02	0.1947E-03	0.1766E-02	0.1642E-03	0.1808E-02	0.1813E-03	0.1688E-02	0.1661E-03	0.1573E-02
141	C.1794E-03	0.3799E-02	C.1680E-03	0.1832E-02	0.1661E-03	0.1689E-02	0.1680E-03	0.1658E-02	0.2385E-03	0.1672E-02
142	0.1622E-03	0.1621E-02	0.1622E-03	0.1501E-02	0.1622E-03	0.1571E-02	0.1584E-03	0.1497E-02	0.1546E-03	0.1509E-02
143	C.1527E-03	0.1429E-02	C.1508E-03	0.1429E-02	0.1470E-03	0.1510E-02	0.1546E-03	0.1360E-02	0.1374E-03	0.1248E-02
144	0.1642E-03	0.1299E-02	C.1489E-03	0.1278E-02	0.1603E-03	0.1250E-02	0.1584E-03	0.1182E-02	0.1470E-03	0.1057E-02
145	0.1432E-03	0.8379E-C3	0.1870E-03	-0.4349E-03	0.2491E-01	0.2434E-02	0.1279E-03	0.1701E-02	0.1374E-03	0.1529E-02
146	C.1355E-03	0.1413E-02	0.1336E-03	0.1413E-02	0.1298E-03	0.1335E-02	0.1432E-03	0.1311E-02	0.1451E-03	0.1319E-02
147	C.1260E-C3	0.1288E-02	C.1394E-03	0.1208E-02	0.1432E-03	0.1223E-02	0.1413E-03	0.1190E-02	0.1489E-03	0.1183E-02
148	0.1355E-C3	0.8804E-03	0.1489E-03	0.1082E-02	0.1336E-03	0.9602E-03	0.2824E-03	0.1077E-02	0.1336E-03	0.1117E-02
149	0.1470E-C3	0.1045E-02	0.1317E-03	0.1068E-02	0.1336E-03	0.1040E-02	0.1241E-03	0.1046E-02	0.1355E-03	0.9926E-03
150	0.1394E-C3	0.1013E-02	C.2080E-03	0.9538E-03	0.1317E-03	0.9648E-03	0.1355E-03	0.9445E-03	0.1374E-03	0.9500E-03
151	C.1374E-C3	0.9142E-03	0.1451E-03	0.1012E-03	0.1146E-03	0.9538E-03	0.1222E-03	0.1011E-02	0.1260E-03	0.9404E-03
152	C.1451E-C3	0.8973E-03	0.1203E-03	0.1405E-03	0.1241E-03	0.9719E-03	0.1260E-03	0.8491E-03	0.1222E-03	0.8060E-03
153	C.1184E-03	0.8041E-03	0.1165E-03	0.8112E-03	0.1317E-03	0.8389E-03	0.1069E-03	0.1070E-02	0.1069E-03	0.5367E-03
154	C.1184E-C3	0.6186E-03	0.1184E-03	0.6603E-03	0.1050E-03	0.5931E-03	0.1336E-03	0.5895E-03	0.1146E-03	0.5997E-03
155	C.1355E-C3	0.5940E-03	0.1146E-03	0.5733E-03	0.1298E-03	0.5182E-03	0.1146E-03	0.5256E-03	0.1107E-03	0.4584E-03
156	C.9549E-C4	0.4123E-03	C.1718E-03	0.3823E-03	0.1165E-03	0.6462E-03	0.1088E-03	0.4202E-03	0.1165E-03	0.3613E-03
157	0.1642E-03	0.2910E-03	0.1031E-03	0.1007E-03	0.2881E-03	0.6500E-03	0.9739E-04	0.7045E-04	0.1031E-03	-0.1717E-04
158	0.1012E-C3	-0.3052E-04	C.1088E-03	-0.2270E-03	0.1127E-03	-0.3643E-03	0.3110E-03	-0.6218E-03	0.9930E-04	-0.8698E-03
159	0.9167E-04	-0.1297E-02	0.1088E-03	-0.1993E-02	0.9739E-04	-0.3361E-02	0.1107E-03	-0.7378E-02	0.9358E-04	0.3159E-01
160	0.1012E-C3	0.1105E-01	C.9739E-04	0.5423E-02	0.2328E-03	0.3778E-02	0.8404E-04	0.3038E-02	0.9739E-04	0.2733E-02
161	C.9739E-C4	0.2216E-02	C.8404E-04	0.2056E-02	0.8976E-04	0.1871E-02	0.9167E-04	0.1758E-02	0.9358E-04	0.1670E-02
162	C.1107E-C3	0.1674E-02	C.8786E-04	0.1481E-02	0.7832E-04	0.1415E-02	0.8786E-04	0.1378E-02	0.1146E-03	0.9459E-03
163	C.1050E-C3	0.1223E-02	C.8786E-04	0.1301E-02	0.7832E-04	0.1186E-02	0.8214E-04	0.1104E-02	0.8786E-04	0.1124E-02
164	C.7451E-C4	0.1028E-02	C.8404E-04	0.1048E-02	0.7260E-04	0.8103E-03	0.7260E-04	0.1514E-02	0.8404E-04	0.1157E-02
165	0.5761E-C3	0.1082E-02	C.9739E-04	0.1028E-02	0.6878E-04	0.1094E-02	0.8214E-04	0.1030E-02	0.7832E-04	0.1016E-02
166	C.1851E-03	0.9640E-03	0.8023E-04	0.9609E-03	0.6497E-04	0.9521E-03	0.6878E-04	0.9509E-03	0.8786E-04	0.9125E-03
167	0.8023E-C4	0.9197E-03	0.7260E-04	0.8723E-03	0.9358E-04	0.8923E-03	0.7260E-04	0.9667E-03	0.6306E-04	0.9149E-03
168	C.7641E-C4	0.9080E-03	0.9739E-04	0.9514E-03	0.7832E-04	0.8656E-03	0.9358E-04	0.8446E-03	0.1370E-02	0.8353E-03
169	0.1127E-C3	0.8498E-03	0.7832E-04	0.8770E-03	0.6688E-04	0.8730E-03	0.7260E-04	0.8277E-03	0.1069E-03	0.8634E-03
170	0.7260E-C4	0.8801E-03	0.6115E-04	0.8780E-03	0.6497E-04	0.9524E-03	0.7069E-04	0.9640E-03	0.6688E-04	0.1167E-02
171	C.6878E-C4	0.1554E-02	0.8214E-04	0.9364E-02	0.7451E-04	-0.7668E-03	0.8023E-04	0.3445E-04	0.5543E-04	0.2357E-03
172	C.7260E-C4	0.3508E-03	C.5734E-04	0.4112E-03	0.5925E-04	0.4073E-03	0.1146E-03	0.4297E-03	0.6306E-04	0.6419E-03
173	C.7641E-C4	0.4936E-03	0.6306E-04	0.4727E-03	0.5925E-04	0.4624E-03	0.4971E-04	0.4088E-03	0.5925E-04	0.6741E-03
174	C.8404E-C4	0.5575E-03	0.6306E-04	0.4395E-03	0.6497E-04	0.5592E-03	0.7641E-04	0.4758E-02	0.6306E-04	0.4855E-03
175	C.5162E-C4	0.5118E-03	0.5925E-04	0.5006E-03	0.5734E-04	0.4300E-03	0.5162E-04	0.4717E-03	0.2767E-03	0.1837E-03
176	0.5352E-C4	0.4734E-03	C.4971E-C4	0.4581E-03	0.5352E-04	0.4817E-03	0.1260E-03	0.4917E-03	0.5352E-04	0.4381E-03
177	C.5543E-04	0.4729E-03	0.1127E-03	0.5196E-03	0.5925E-04	0.4593E-03	0.5734E-04	-0.5951E-03	0.6497E-04	0.3861E-03
178	C.6497E-C4	0.3840E-03	0.6497E-04	0.3914E-03	0.7832E-04	0.3723E-03	0.5734E-04	0.3616E-03	0.5543E-04	0.3537E-03
179	C.6688E-C4	0.3341E-C3	0.4017E-04	0.4345E-03	0.4590E-04	0.5900E-03	0.5734E-04	0.3339E-03	0.5734E-04	0.3368E-03
180	C.5162E-C4	0.3411E-03	0.5925E-04	0.2049E-03	0.5543E-04	0.2402E-03	0.5543E-04	0.2683E-03	0.1298E-03	0.2417E-03

181	C.4399E-04	0.1732E-03	C.4780E-04	0.8976E-04	0.5162E-04	-0.2251E-03	0.4590E-04	-0.8577E-02	0.6115E-04	0.1146E-02
182	0.4590E-04	0.7237E-03	0.4780E-04	0.5885E-03	0.5162E-04	0.5141E-03	0.4780E-04	0.4777E-03	0.4971E-04	0.5006E-03
183	C.4399E-04	0.4545E-03	0.4971E-04	0.4336E-03	0.5162E-04	0.3763E-03	0.8214E-04	0.8982E-03	0.4399E-04	0.4417E-03
184	0.3827E-04	0.4410E-03	0.1699E-03	0.4789E-03	0.4971E-04	0.2117E-02	0.4399E-04	0.2252E-03	0.3827E-04	0.2693E-03
185	0.4017E-04	0.2967E-03	0.4208E-04	0.3465E-03	0.4017E-04	0.3093E-03	0.4971E-04	0.3167E-03	0.1127E-03	0.2660E-03
186	0.4399E-04	0.3182E-03	0.3827E-04	0.3570E-03	0.5543E-04	0.5416E-03	0.5543E-04	0.1100E-03	0.4590E-04	0.2104E-03
187	0.5734E-04	0.1854E-03	0.6497E-04	0.2283E-03	0.4208E-04	0.1827E-03	0.5352E-04	0.2185E-03	0.4780E-04	0.1019E-03
188	0.4017E-04	-0.6409E-03	0.4780E-04	0.4572E-03	0.3827E-04	0.3480E-03	0.4399E-04	0.2786E-03	0.4590E-04	0.2657E-03
189	C.1021E-02	0.2793E-03	0.4017E-04	0.2869E-03	0.4590E-04	0.2402E-03	0.4017E-04	0.2457E-03	0.4017E-04	0.2397E-03
190	0.3827E-04	0.2664E-03	0.4017E-04	0.3327E-03	0.4399E-04	0.1129E-03	0.3636E-04	0.1332E-03	0.4780E-04	0.1572E-03
191	0.3827E-04	0.8047E-04	0.6954E-02	0.3167E-03	0.4399E-04	0.2114E-03	0.4399E-04	0.2145E-03	0.4590E-04	0.2457E-03
192	C.4208E-04	0.2276E-03	0.4399E-04	0.1775E-03	0.4780E-04	0.8053E-03	0.3827E-04	0.1146E-03	0.3636E-04	0.9644E-04
193	C.4709E-02	0.1963E-03	0.3827E-04	0.1618E-03	0.3254E-04	0.2135E-03	0.7451E-04	0.1806E-03	0.4208E-04	0.8833E-04
194	0.3827E-04	0.9882E-04	0.4208E-04	0.1327E-03	0.3606E-03	-0.2098E-04	0.3636E-04	0.1637E-03	0.3636E-04	0.1050E-03
195	0.4017E-04	0.7069E-04	0.4399E-04	0.1425E-03	0.8404E-04	0.8309E-04	0.3636E-04	0.9477E-04	0.4208E-04	0.1301E-03
196	C.4780E-04	0.8976E-04	0.4017E-04	0.1253E-03	0.3636E-04	0.1215E-03	0.3445E-04	0.1093E-03	0.4017E-04	0.5424E-04
197	C.4560E-03	0.6497E-04	0.3064E-04	0.1918E-03	0.4017E-04	0.4375E-04	0.3549E-03	0.5043E-04	0.3445E-04	0.8428E-04
198	0.4399E-04	0.1037E-04	0.3636E-04	0.7904E-04	0.3636E-04	0.2265E-05	0.4017E-04	0.4494E-04	0.4590E-04	0.4208E-04
199	0.4208E-04	0.4113E-04	0.4590E-04	0.3421E-04	0.5352E-04	0.2754E-04	0.3445E-04	0.3088E-04	0.3445E-04	0.1594E-03


```

1.//DVZ079FT JOB (DVZ,0,0),TACK,PRTY=5,CLASS=8,MSGLEVEL=(1,1)
2.// EXEC FHCLG,PARM.C='OPT=2',TIME.G=5
3.//C.SYSIN DD *
4.     INTEGER W
5.     DIMENSION X(2000),Y(2000)
6.     COMMON /TABLE/ TAB(4000)
7.     COMMON /PAR/ NB,KA,NG,MP1,MDU, N,CHX1,CHX2,T,W,CAA,NT
8.     COMMON /FREQ/ HFR
9.     W=6
10.    HFR=1.
11.    PI=3.14159
12.    M=1999
13.    DA=2*PI/M
14.    MP1=M+1
15.    A=C.
16.    DO 1 I=1,MP1
17.    X(I)=SIN(A)
18.    1 A=A+DA
19.    TAB(I)=C.
20.    TAB(MP1+M)=0.
21.    TAB(MP1)=0.
22.    DA=PI/M
23.    A=DA
24.    DO5000 I=2,M
25.    TAB(I)=SIN(A)
26. 5000 A=A+DA
27.    DO 5001 I=2,M
28. 5001 TAB(I+M )=-TAB(I)
29.    T=ZEIT(0.)
30.    CALL FR2(X,Y)
31.    T=ZEIT(T)
32.    WRITE(6,200)T
33.    CALL SCRIP(Y)
34.    STOP
35. 200 FORMAT(//'1DURATION IN SECONDS:',G20.8//)
36.    END
37.    SUBROUTINE FR2(X,Y)
38.    INTEGER DITAB,DM
39.    DIMENSION X(2000),Y(2000)
40.    COMMON /FREQ/ HFR
41.C    MDU:DBMMY
42.    COMMON /PAR/ NB,KA,NG,MP1,MDU, N,CHX1,CHX2,T,W,CAA,NT
43.    COMMON /TABLE/ TAB(4000)
44.    M=MP1-1
45.    NTAB=MP1+M
46.    DM=NTAB-1
47.    Y(1)=0.
48.    Y(MP1)=0.
49.    DO 1 NF=2,M
50.    DITAB=NF-1
51.    ITAB=1
52.    Y(NF)=0.
53.    DO 2 LF=2,M
54.    ITAB=ITAB+DITAB
55.    IF(ITAB.GE.NTAB)ITAB=ITAB-DM
56.    Y(NF)=Y(NF)+X(LF)*TAB(ITAB)
57. 2 CONTINUE
58. 1 Y(NF)=4.*HFR*Y(NF)
59.    RETURN
60.    END

```

61.	SUBROUTINE SCRIP(Y)	447
62.	INTEGER CHX1,CHX2,R,W	448
63.	DIMENSION Y(2000)	449
64.	COMMON /PAR/ NB,KA,NG,MP1,M, N,CHX1,CHX2,R,W,CAA,NT	450
65.	WRITE(W,202)	451
66.	LAG=0	452
67.	L1=1	453
68.	L1=1	454
69.	L2=10	455
70.	4 IF(L2-MP1)2,3,3	456
71.	3 L2=MP1	457
72.	L2=2	458
73.	2 WRITE(W,203)LAG,(Y(L),L=L1,L2)	459
74.	IF(MOD(LAG,60).EQ.0.AND.LAG.NE.0)WRITE(W,200)	460
75.	LAG=LAG+1	461
76.	L1=L1+10	462
77.	L2=L2+10	463
78.	GO TO(4,5),L1	464
79.	5 RETURN	465
80.	200 FORMAT('1')	466
81.	202 FORMAT(16X,1H0,11X,	467
82.	11H1,11X,	468
83.	21H2,11X,	469
84.	31H3,11X,	470
85.	41H4,11X,	471
86.	51H5,11X,	472
87.	61H6,11X,	473
88.	71H7,11X,	474
89.	81H8,11X,	475
90.	91H9)	476
91.	203 FORMAT(1H ,I3,5X,10E12.4)	477
92.	END	478
93.	//G.FT06F001 DD SYSOUT=D	
94.	//	//

	0	1	2	3	4	5	6	7	8	9
0	0.0	-0.9169E 00	0.3999E 04	-0.1216E 01	0.1292E 01	-0.5260E 00	0.6818E 00	-0.4364E 00	0.4590E 00	-0.3503E 00
1	0.3539E 00	-0.2943E 00	0.2855E 00	-0.2475E 00	0.2503E 00	-0.2078E 00	0.2246E 00	-0.1854E 00	0.1974E 00	-0.1704E 00
2	0.1751E 00	-0.1560E 00	0.1615E 00	-0.1449E 00	0.1483E 00	-0.1334E 00	0.1304E 00	-0.1218E 00	0.1247E 00	-0.1133E 00
3	0.1114E 00	-0.1073E 00	0.1341E 00	-0.1010E 00	0.1009E 00	-0.9691E-01	0.6821E-01	-0.9104E-01	0.9291E-01	-0.8609E-01
4	0.8741E-01	-0.8166E-01	0.8232E-01	-0.7818E-01	0.8072E-01	-0.7508E-01	0.7779E-01	-0.7199E-01	0.6733E-01	-0.6919E-01
5	0.6943E-01	-0.6622E-01	0.6569E-01	-0.6371E-01	0.6487E-01	-0.6144E-01	0.7080E-01	-0.5958E-01	0.5740E-01	-0.5768E-01
6	0.6158E-01	-0.5583E-01	0.8031E-01	-0.5389E-01	0.5172E-01	-0.5242E-01	0.5372E-01	-0.5069E-01	0.5068E-01	-0.4935E-01
7	0.5080E-01	-0.4802E-01	0.4597E-01	-0.4685E-01	0.4700E-01	-0.4561E-01	0.3407E-01	-0.4420E-01	0.2959E-01	-0.4306E-01
8	0.4345E-01	-0.4209E-01	0.2652E-01	-0.4120E-01	0.4082E-01	-0.3976E-01	0.7373E-01	-0.3939E-01	0.4014E-01	-0.3831E-01
9	0.4067E-01	-0.3754E-01	0.3882E-01	-0.3715E-01	0.3560E-01	-0.3609E-01	0.3461E-01	-0.3535E-01	0.3498E-01	-0.3461E-01
10	0.3464E-01	-0.3391E-01	0.3370E-01	-0.3319E-01	0.3280E-01	-0.3247E-01	0.3333E-01	-0.3206E-01	-0.5197E-01	-0.3152E-01
11	0.3418E-01	-0.3094E-01	0.2764E-01	-0.3024E-01	0.3653E-01	-0.2978E-01	0.3565E-01	-0.2915E-01	0.2825E-01	-0.2877E-01
12	0.2435E-01	-0.2816E-01	0.2920E-01	-0.2832E-01	0.2516E-01	-0.2748E-01	0.3083E-01	-0.2695E-01	0.3267E-01	-0.2722E-01
13	0.1450E-02	-0.2615E-01	0.2666E-01	-0.2588E-01	0.8441E-02	-0.2544E-01	0.4665E-01	-0.2499E-01	0.2272E-01	-0.2459E-01
14	0.1288E-01	-0.2425E-01	0.2514E-01	-0.2393E-01	0.2312E-01	-0.2367E-01	0.2296E-01	-0.2338E-01	-0.9350E-01	-0.2305E-01
15	0.2707E-01	-0.2257E-01	0.2079E-01	-0.2241E-01	0.2672E-01	-0.2208E-01	0.2508E-01	-0.2181E-01	0.2063E-01	-0.2162E-01
16	0.1465E 00	-0.2141E-01	0.1730E-01	-0.2106E-01	0.1877E-01	-0.2080E-01	0.1027E-01	-0.2053E-01	0.4676E-01	-0.2027E-01
17	0.2179E-01	-0.2008E-01	0.1747E-01	-0.1975E-01	0.2234E-01	-0.1969E-01	0.6683E-04	-0.1935E-01	0.1883E-01	-0.1942E-01
18	0.2002E-01	-0.1892E-01	0.1473E-01	-0.1871E-01	0.5804E-02	-0.1858E-01	0.9091E-01	-0.1836E-01	0.2790E-01	-0.1814E-01
19	0.1233E-01	-0.1779E-01	0.1732E-01	-0.1781E-01	0.1688E-01	-0.1862E-01	0.1740E-01	-0.1745E-01	0.2298E-01	-0.1725E-01
20	0.1721E-01	-0.1700E-01	0.1085E-01	-0.1679E-01	0.1673E-01	-0.1740E-01	0.1778E-01	-0.1652E-01	0.3448E-01	-0.1635E-01
21	0.2241E-01	-0.1623E-01	0.1649E-01	-0.1603E-01	0.8719E-02	-0.1590E-01	0.1848E-01	-0.1573E-01	0.1340E-01	-0.1562E-01
22	0.1006E-01	-0.1556E-01	0.1555E-01	-0.1538E-01	0.2034E-01	-0.1520E-01	0.1900E-01	-0.1499E-01	0.1678E-01	-0.1483E-01
23	0.1008E-01	-0.1473E-01	0.1109E-01	-0.1472E-01	0.1340E-01	-0.1142E-01	0.1398E-01	-0.1442E-01	0.1426E-01	-0.1435E-01
24	0.1842E-01	-0.1413E-01	0.1758E-01	-0.1408E-01	-0.4431E-03	-0.1395E-01	-0.3421E-01	-0.1386E-01	0.1273E-01	-0.1368E-01
25	0.1376E-01	-0.1359E-01	0.8688E-02	-0.1328E-01	0.1013E-01	-0.1338E-01	0.1507E-01	-0.1325E-01	0.1138E 00	-0.1320E-01
26	0.1093E-01	-0.1307E-01	0.1387E-01	-0.1298E-01	0.1319E-01	-0.1275E-01	0.1185E-01	-0.1222E-01	0.1069E-01	-0.1267E-01
27	0.2052E-01	-0.1229E-01	0.1476E-01	-0.1252E-01	0.3008E-02	-0.1237E-01	0.1823E-01	-0.1231E-01	0.1288E-01	-0.1195E-01
28	0.1527E-01	-0.1210E-01	0.1513E-01	-0.1202E-01	-0.4931E-02	-0.1191E-01	0.1614E-01	-0.1188E-01	0.1143E-01	-0.1192E-01
29	-0.4251E-02	-0.1171E-01	0.1137E-01	-0.1160E-01	0.1149E-01	-0.1152E-01	0.9090E-02	-0.1142E-01	0.3069E-01	-0.1135E-01
30	0.7006E-02	-0.1132E-01	0.1188E-01	-0.1123E-01	0.1031E-01	-0.1114E-01	0.6313E-02	-0.1084E-01	0.1245E-01	-0.1097E-01
31	0.1179E-01	-0.1095E-01	0.5597E-02	-0.1083E-01	0.1296E-01	-0.1083E-01	0.2132E-01	-0.1071E-01	0.1089E-01	-0.1064E-01
32	0.8151E-02	-0.1059E-01	0.3142E-01	-0.1044E-01	0.9099E-02	-0.1043E-01	0.1342E-01	-0.1033E-01	0.1697E-01	-0.1024E-01
33	0.1996E-01	-0.1019E-01	0.1329E-01	-0.1021E-01	0.8382E-02	-0.1014E-01	0.1236E-01	-0.1007E-01	0.9211E-02	-0.1002E-01
34	0.1072E-02	-0.9925E-02	0.8060E-02	-0.9854E-02	0.1556E-01	-0.9862E-02	0.9671E-02	-0.9667E-02	0.1076E-01	-0.9651E-02
35	0.1998E-01	-0.9606E-02	0.7470E-02	-0.9518E-02	0.9211E-02	-0.9477E-02	0.9254E-02	-0.9450E-02	-0.3699E-01	-0.9363E-02
36	-0.5265E-02	-0.9286E-02	0.5663E-02	-0.7671E-02	0.7984E-02	-0.9168E-02	0.9550E-02	-0.9161E-02	0.7165E-02	-0.8867E-02
37	0.1691E-01	-0.9090E-02	0.1142E-01	-0.9001E-02	0.9651E-02	-0.8958E-02	0.1089E-01	-0.8887E-02	0.2007E-01	-0.8896E-02
38	0.1251E-01	-0.8347E-02	0.6065E-02	-0.8794E-02	0.2636E-01	-0.8775E-02	-0.1275E-01	-0.8277E-02	0.2164E-01	-0.8694E-02
39	-0.6746E-01	-0.8620E-02	0.7000E-01	-0.8553E-02	-0.2601E-03	-0.8534E-02	0.4767E-02	-0.8458E-02	0.2245E-01	-0.8443E-02
40	0.8384E-02	-0.8388E-02	0.9935E-02	-0.8330E-02	0.6630E-02	-0.8277E-02	0.4324E-02	-0.8129E-02	0.7169E-01	-0.8210E-02
41	-0.7243E-01	-0.8108E-02	0.8618E-02	-0.8075E-02	0.7450E-02	-0.8036E-02	0.5243E-02	-0.8014E-02	0.3194E-02	-0.7995E-02
42	0.9607E-02	-0.7060E-02	0.8306E-02	-0.7937E-02	0.8024E-02	-0.7852E-02	0.8091E-02	-0.7698E-02	0.6064E-02	-0.7816E-02
43	0.4362E-02	-0.7687E-02	0.1913E-02	-0.7696E-02	0.7062E-02	-0.7667E-02	0.6692E-02	-0.7583E-02	0.1105E-01	-0.7542E-02
44	0.6001E-02	-0.7372E-02	0.2316E-01	-0.6852E-02	-0.3509E 00	-0.6140E-02	0.1981E-01	-0.7302E-02	0.3513E-02	-0.7384E-02
45	0.2074E-01	-0.7361E-02	0.8684E-02	-0.7355E-02	0.4263E-02	-0.7271E-02	-0.6925E-03	-0.6425E-02	0.8234E-04	-0.7197E-02
46	0.5720E-02	-0.7197E-02	0.2091E-01	-0.7160E-02	0.1172E-01	-0.7074E-02	0.4946E-02	-0.7064E-02	0.1735E-01	-0.7011E-02
47	0.8502E-02	-0.6933E-02	0.6752E-02	-0.7034E-02	0.6580E-02	-0.7018E-02	0.6839E-02	-0.6891E-02	0.7110E-02	-0.6858E-02
48	0.8331E-02	-0.6862E-02	0.9619E-02	-0.6797E-02	0.2082E-02	-0.6789E-02	0.5929E-02	-0.6754E-02	0.9654E-02	-0.6709E-02
49	-0.1723E-02	-0.6934E-02	0.9279E-02	-0.6669E-02	0.7344E-02	-0.6736E-02	0.6121E-02	-0.6624E-02	0.5437E-02	-0.6590E-02
50	0.6584E-02	-0.6565E-02	0.2038E-01	-0.6516E-02	0.5025E-02	-0.6533E-02	0.5181E-02	-0.6441E-02	0.5232E-02	-0.6431E-02
51	0.1325E-01	-0.6368E-02	-0.1880E-02	-0.6383E-02	0.6533E-02	-0.6335E-02	0.8810E-02	-0.6316E-02	0.9455E-02	-0.6310E-02
52	0.1268E-01	-0.6178E-02	0.1533E-01	-0.6298E-02	0.6672E-02	-0.6326E-02	0.6285E-02	-0.6165E-02	-0.5282E-01	-0.6158E-02
53	0.1499E-01	-0.6109E-02	0.5655E-02	-0.1278E-01	0.1063E-02	-0.6052E-02	0.1266E-01	-0.5844E-02	0.7881E-02	-0.6033E-02
54	0.2721E-02	-0.6025E-02	0.7462E-02	-0.5961E-02	-0.4394E-03	-0.5935E-02	0.8042E-02	-0.5921E-02	0.9095E-02	-0.5909E-02
55	0.2233E-01	-0.5785E-02	0.7548E-02	-0.5869E-02	0.1277E-01	-0.5852E-02	-0.1471E-01	-0.5837E-02	0.7207E-02	-0.5770E-02
56	0.6957E-02	-0.5761E-02	0.4625E-02	-0.5709E-02	0.6907E-02	-0.5713E-02	0.9228E-02	-0.5629E-02	0.3550E-02	-0.5438E-02
57	0.4587E-02	-0.1444E-01	0.7149E-02	-0.5559E-02	0.8118E-03	-0.5561E-02	0.5386E-02	-0.5422E-02	-0.3209E-01	-0.5504E-02
58	0.8414E-02	-0.5524E-02	0.5236E-02	-0.5517E-02	0.4065E-01	-0.4797E-02	0.1261E-01	-0.5454E-02	0.5421E-02	-0.5460E-02
59	0.1120E-01	-0.5547E-02	0.1147E-01	-0.5424E-02	0.2316E-01	-0.5401E-02	0.2600E-02	-0.5359E-02	0.4910E-02	-0.5373E-02
60	0.9547E-02	-0.5398E-02	0.3333E-02	-0.5327E-02	-0.1712E-01	-0.5307E-02	0.4270E-02	-0.5248E-02	0.1953E-01	-0.5256E-02

61	-0.8774E-03	-0.5209E-02	0.9245E-02	-0.5191E-02	0.1150E-03	-0.7955E-02	-0.3984E-02	-0.5178E-02	0.2043E-02	-0.5160E-02
62	-0.1138E-01	-0.5103E-02	0.2655E-02	-0.5052E-02	0.3549E-02	-0.5108E-02	0.6765E-02	-0.5058E-02	0.5992E-02	-0.5046E-02
63	0.2391E-01	-0.4796E-02	0.7004E-02	-0.4999E-02	0.1881E-02	-0.4986E-02	0.5099E-02	-0.4976E-02	0.4793E-02	-0.4959E-02
64	0.3950E-02	-0.4947E-02	-0.1772E-01	-0.4913E-02	0.2179E-02	-0.4827E-02	0.1017E-01	-0.4870E-02	0.1424E-01	-0.4870E-02
65	0.8379E-02	-0.4848E-02	0.6013E-02	-0.4847E-02	0.4204E-02	-0.4804E-02	0.6547E-02	-0.4805E-02	0.5775E-02	-0.4984E-02
66	0.6691E-02	-0.4778E-02	0.5381E-02	-0.4744E-02	0.5937E-02	-0.4736E-02	0.4745E-02	-0.4706E-02	0.1224E-01	-0.4694E-02
67	0.4004E-02	-0.4727E-02	0.5641E-02	-0.4660E-02	0.1646E-01	-0.4847E-02	0.1961E-01	-0.4627E-02	0.2494E-02	-0.4536E-02
68	0.7841E-02	-0.4593E-02	0.4937E-02	-0.4571E-02	0.1184E-01	-0.4527E-02	0.5682E-02	-0.4535E-02	0.6159E-02	-0.4437E-02
69	-0.1120E-01	-0.4603E-02	0.4420E-02	-0.4589E-02	0.1612E-01	-0.4253E-02	-0.7994E-02	-0.4461E-02	0.2110E-02	-0.4439E-02
70	0.1348E-02	-0.4436E-02	-0.1941E-02	-0.4391E-02	0.3494E-02	-0.4178E-02	0.3413E-02	-0.4379E-02	0.4205E-02	-0.4405E-02
71	-0.1916E-02	-0.4344E-02	0.4701E-01	-0.4324E-02	0.4297E-02	-0.4311E-02	0.1990E-02	-0.4305E-02	-0.8280E-02	-0.4287E-02
72	0.2215E-02	-0.4069E-02	0.2450E-02	-0.4242E-02	0.2948E-02	-0.4161E-02	0.5036E-02	-0.4173E-01	0.1338E-01	-0.4182E-02
73	0.1056E-01	-0.4186E-02	-0.3987E-01	-0.4182E-02	0.4703E-02	-0.4168E-02	0.3306E-02	-0.4148E-02	0.5635E-02	-0.4151E-02
74	0.7985E-03	-0.4127E-02	0.7418E-02	-0.4152E-02	-0.1927E-02	-0.4088E-02	0.5255E-02	-0.4088E-02	-0.1592E-01	-0.4070E-02
75	-0.2178E-03	-0.4080E-02	0.4902E-02	-0.4016E-02	0.4516E-02	-0.4030E-02	0.6006E-02	-0.3993E-02	0.1008E-02	-0.3998E-02
76	0.5343E-02	-0.3902E-02	0.3208E-02	-0.3969E-02	0.9432E-02	-0.3964E-02	-0.8811E-03	-0.3963E-02	0.1156E-02	-0.3920E-02
77	0.2700E-01	-0.3920E-02	0.6683E-02	-0.3916E-02	0.5324E-02	-0.3897E-02	0.9441E-03	-0.3889E-02	0.2066E-01	-0.3852E-02
78	0.6386E-02	-0.3866E-02	-0.3505E-02	-0.3808E-02	0.6238E-02	-0.3812E-02	0.9406E-02	-0.3838E-02	0.7054E-02	-0.3747E-02
79	0.1655E-02	-0.3686E-02	0.8333E-02	-0.3689E-02	0.2913E-02	-0.3403E-02	0.8292E-03	-0.2609E-02	-0.2219E-02	0.3280E-01
80	0.6181E-00	0.2063E-03	0.3138E-02	-0.3133E-02	-0.4594E-02	-0.3481E-02	0.8331E-02	-0.3575E-02	0.1167E-01	-0.3621E-02
81	0.4801E-02	-0.3630E-02	0.8123E-02	-0.3613E-02	0.2118E-02	-0.3632E-02	0.1144E-02	-0.3620E-02	-0.4081E-02	-0.3614E-02
82	0.1239E-02	-0.3609E-02	-0.2550E-01	-0.3603E-02	-0.2012E-01	-0.3741E-02	0.6296E-02	-0.3260E-02	0.2196E-01	-0.3370E-02
83	0.2903E-02	-0.3556E-02	0.8979E-02	-0.3550E-02	-0.1015E-04	-0.3541E-02	0.7526E-02	-0.3521E-02	-0.9960E-02	-0.3493E-02
84	0.4271E-02	-0.3472E-02	0.4956E-02	-0.3492E-02	0.3679E-02	-0.3490E-02	0.1395E-01	-0.3465E-02	-0.9197E-01	-0.3470E-02
85	0.5702E-02	-0.3432E-02	-0.4754E-02	-0.3433E-02	0.4777E-02	-0.3424E-02	0.1105E-01	-0.3413E-02	0.1353E-02	-0.3395E-02
86	0.8143E-02	-0.3363E-02	0.5053E-02	-0.3399E-02	0.7072E-02	-0.3384E-02	0.1448E-01	-0.3239E-02	0.3069E-02	-0.1475E-02
87	0.2103E-02	-0.3324E-02	0.1604E-01	-0.3310E-02	0.5403E-02	-0.3303E-02	-0.1423E-02	-0.3273E-02	0.1539E-01	-0.3374E-02
88	0.2552E-02	-0.3205E-02	0.7368E-02	-0.3258E-02	0.5377E-02	-0.3198E-02	0.4378E-02	-0.2831E-02	0.5604E-02	-0.2938E-03
89	0.1317E-02	-0.3130E-02	0.5270E-02	-0.3192E-02	0.1674E-02	-0.3148E-02	0.7630E-02	-0.3193E-02	0.6397E-02	-0.3189E-02
90	0.5235E-02	-0.3031E-02	0.2864E-02	-0.3137E-02	0.3801E-02	-0.3134E-02	-0.4399E-03	-0.3137E-02	0.1991E-02	-0.3146E-02
91	0.2619E-02	-0.3099E-02	0.6454E-02	-0.3114E-02	0.1696E-02	-0.3110E-02	0.1358E-02	-0.3023E-02	0.2167E-02	-0.3069E-02
92	0.2396E-02	-0.3088E-02	-0.2833E-02	-0.2649E-02	0.1630E-03	-0.3050E-02	0.3601E-02	-0.3023E-02	-0.1047E-02	-0.3078E-02
93	-0.3695E-03	-0.2827E-02	0.9553E-02	-0.3023E-02	-0.5641E-02	-0.3013E-02	0.4967E-02	-0.2997E-02	0.2497E-02	-0.2979E-02
94	0.3665E-02	-0.2303E-02	0.1133E-01	-0.2970E-02	0.2850E-02	-0.3351E-02	-0.5597E-02	-0.2948E-02	0.3514E-01	-0.2936E-02
95	-0.2796E-01	-0.2903E-02	0.1537E-00	-0.2916E-02	0.7433E-02	-0.2909E-02	0.3026E-02	-0.2907E-02	-0.2255E-03	-0.2873E-02
96	-0.6361E-02	-0.2903E-02	-0.6175E-03	-0.2838E-02	-0.2613E-02	-0.4838E-02	0.1341E-02	-0.2867E-02	0.1375E-02	-0.2772E-02
97	-0.7174E-02	-0.2844E-02	0.2429E-02	-0.2833E-02	0.4581E-02	-0.2655E-02	-0.2457E-02	-0.2825E-02	0.3575E-02	-0.2737E-02
98	0.9594E-03	-0.2804E-02	0.5768E-01	-0.2770E-02	0.3849E-02	-0.2914E-02	0.2205E-02	-0.2776E-02	0.3122E-02	-0.2774E-02
99	0.3239E-01	-0.2742E-02	0.2621E-01	-0.2748E-02	-0.6820E-04	-0.2743E-02	0.1353E-01	-0.2730E-02	0.7001E-02	-0.2730E-02
100	0.2718E-02	-0.2712E-02	-0.4851E-02	-0.2706E-02	0.4777E-02	-0.2695E-02	-0.3782E-02	-0.2689E-02	0.1132E-01	-0.2682E-02
101	-0.3019E-01	-0.2759E-02	0.2041E-02	-0.2667E-02	0.2400E-02	-0.2651E-02	0.1278E-01	-0.2649E-02	0.3068E-02	-0.2591E-02
102	0.4366E-02	-0.2607E-02	0.1328E-02	-0.2622E-02	0.7927E-03	-0.2502E-02	0.5294E-02	-0.2730E-02	-0.8651E-01	-0.2595E-02
103	0.1299E-01	-0.2609E-02	0.3604E-02	-0.2586E-02	0.2469E-02	-0.2537E-02	-0.2493E-02	-0.2538E-02	0.6558E-02	-0.2541E-02
104	-0.1013E-02	-0.2527E-02	-0.1246E-02	-0.5456E-02	-0.6472E-03	-0.2524E-02	0.2208E-02	-0.2520E-02	-0.2777E-01	-0.2519E-02
105	0.3393E-01	-0.2487E-02	-0.1625E-00	-0.2492E-02	0.2722E-02	-0.2484E-02	0.5042E-02	-0.2470E-02	0.1019E-01	-0.2462E-02
106	0.4346E-02	-0.2468E-02	0.2346E-02	-0.2460E-02	0.2220E-02	-0.2366E-02	-0.2096E-00	-0.2327E-02	0.6353E-02	-0.2426E-02
107	0.3427E-02	-0.2420E-02	0.4141E-02	-0.2400E-02	0.1065E-02	-0.2414E-02	-0.5030E-02	-0.2388E-02	0.1650E-02	-0.2400E-02
108	0.1150E-02	-0.2398E-02	-0.1335E-02	-0.2383E-02	-0.6496E-02	-0.2371E-02	0.1557E-02	-0.2315E-02	0.6798E-03	-0.2185E-02
109	-0.1716E-03	-0.1643E-02	-0.4382E-02	-0.2297E-02	-0.5138E-03	-0.2355E-02	0.3559E-02	-0.2324E-02	0.6978E-02	-0.2311E-02
110	-0.5145E-03	-0.2321E-02	0.2615E-02	-0.1142E-02	-0.5811E-02	-0.2297E-02	0.3302E-02	-0.2278E-02	-0.1163E-02	-0.2295E-02
111	0.5306E-03	-0.2273E-02	0.9848E-04	-0.2285E-02	0.1174E-01	-0.2260E-02	0.2914E-02	-0.2258E-02	0.5443E-03	-0.2217E-02
112	0.2824E-02	-0.2244E-02	0.7423E-02	-0.2156E-02	0.1316E-01	-0.2221E-02	0.7427E-02	-0.2211E-02	0.2784E-02	-0.2215E-02
113	-0.2159E-02	-0.2201E-02	-0.2511E-02	-0.2187E-02	0.5466E-03	-0.2174E-02	0.1262E-02	-0.2116E-02	-0.9347E-02	-0.2093E-02
114	0.1453E-01	-0.1662E-02	-0.4591E-00	-0.6354E-03	0.2869E-02	-0.2086E-02	-0.7789E-02	-0.2131E-02	0.6703E-03	-0.2137E-02
115	0.3217E-02	-0.2133E-02	0.5519E-01	-0.2130E-02	0.7982E-03	-0.2511E-02	-0.1769E-03	-0.2104E-02	0.8186E-03	-0.2107E-02
116	0.3240E-02	-0.2088E-02	0.4210E-02	-0.1818E-02	0.4154E-01	-0.2080E-02	0.2150E-02	-0.2058E-02	-0.5397E-03	-0.2110E-02
117	0.3520E-02	-0.2062E-02	0.3820E-02	-0.2046E-02	0.2307E-02	-0.1968E-02	0.1843E-00	-0.2011E-02	0.1845E-02	-0.2040E-02
118	0.3665E-02	-0.2024E-02	-0.2511E-01	-0.2026E-02	-0.1613E+02	-0.1999E-02	-0.1279E-01	-0.2015E-02	0.4162E-02	-0.2016E-02
119	-0.5889E-02	-0.1892E-02	0.8896E-03	-0.1999E-02	0.3971E-03	-0.1972E-02	0.2858E-01	-0.2041E-02	-0.8697E-02	-0.1971E-02
120	-0.2287E-02	-0.1962E-02	-0.1837E-01	-0.1961E-02	0.8867E-02	-0.1940E-02	0.2437E-02	-0.1858E-02	-0.2569E-03	-0.1929E-02

121	-0.2508E-02	-0.1882E-02	0.1445E-02	-0.1911E-02	0.2813E-02	-0.1914E-02	-0.9866E-03	-0.1522E-02	0.1066E-02	-0.1892E-02
122	0.5547E-02	-0.1897E-02	0.3071E-02	-0.1884E-02	0.3288E-02	-0.1880E-02	-0.4445E-03	-0.1866E-02	0.5792E-02	-0.1812E-02
123	-0.2410E-02	-0.1796E-02	-0.5141E-05	-0.1831E-02	-0.7328E-03	-0.1831E-02	0.6879E-02	-0.1838E-02	0.7198E-02	-0.1842E-02
124	-0.2706E-03	-0.1713E-02	0.5340E-02	-0.1816E-02	0.7625E-02	-0.1810E-02	-0.1465E-02	-0.1802E-02	0.1113E-02	-0.1816E-02
125	0.9304E-02	-0.1788E-02	0.2561E-02	-0.1751E-02	0.3793E-02	-0.1782E-02	0.2225E-02	-0.1740E-02	0.1333E-02	-0.1788E-02
126	-0.9999E-03	-0.1734E-02	0.9766E-03	-0.1720E-02	-0.5253E-02	-0.1748E-02	0.1885E-02	-0.1722E-02	0.6801E-02	-0.1726E-02
127	-0.8575E-03	-0.1719E-02	0.1795E-02	-0.1718E-02	0.7971E-02	-0.1699E-02	0.6826E-01	-0.1704E-02	-0.2223E-02	-0.1647E-02
128	0.1393E-01	-0.1678E-02	-0.3053E-02	-0.1679E-02	0.4446E-02	-0.1678E-02	0.5247E-02	-0.1666E-02	0.7178E-02	-0.1634E-02
129	0.8905E-03	-0.1641E-02	-0.2166E-02	-0.1615E-02	0.7738E-03	-0.1598E-02	0.3561E-02	-0.1566E-02	0.4247E-02	-0.1577E-02
130	0.2941E-02	-0.1554E-02	-0.3500E-02	-0.1533E-02	-0.9370E-02	-0.1519E-02	0.1934E-02	-0.1499E-02	0.1323E-02	-0.1452E-02
131	0.3665E-02	-0.1427E-02	-0.6206E-02	-0.1386E-02	-0.5928E-03	-0.1305E-02	0.2068E-02	-0.1458E-02	-0.3268E-01	-0.1095E-02
132	-0.5575E-02	-0.9173E-03	-0.6506E-02	-0.6056E-03	0.1854E-02	-0.1173E-04	0.2785E-02	0.1251E-02	0.2051E-02	0.5337E-02
133	0.7340E-02	0.3657E-01	-0.1292E-01	-0.2505E-00	0.4504E-02	0.1591E-01	-0.1685E-02	0.3161E-02	0.1878E-05	0.6181E-03
134	0.1265E-02	-0.3248E-03	0.2331E-01	-0.7561E-03	-0.1156E-02	-0.9795E-03	0.9870E-03	-0.1138E-02	-0.1446E-02	-0.1200E-02
135	0.4218E-01	-0.1274E-02	0.3632E-02	-0.1306E-02	0.3361E-02	-0.1352E-02	0.8066E-02	-0.1372E-02	-0.1911E-02	-0.1402E-02
136	-0.3455E-02	-0.2187E-02	0.3810E-02	-0.1400E-02	-0.3517E-01	-0.1322E-02	0.1268E-02	-0.1410E-02	0.3243E-02	-0.1417E-02
137	0.2421E-02	-0.1373E-02	-0.9881E-02	-0.1378E-02	0.3267E-02	-0.1410E-02	-0.6762E-02	-0.1400E-02	0.8253E-02	-0.1358E-02
138	-0.4312E-02	-0.1369E-02	-0.3700E-01	-0.1391E-02	0.1396E-02	-0.1407E-02	0.4298E-01	-0.1087E-02	-0.1589E-02	-0.1394E-02
139	0.3386E-02	-0.1289E-02	-0.6079E-03	-0.1384E-02	-0.2475E-02	-0.1371E-02	0.4238E-03	-0.1379E-02	0.7951E-03	-0.1385E-02
140	0.2078E-03	-0.1481E-02	0.7072E-02	-0.1352E-02	-0.2968E-03	-0.1348E-02	0.5357E-03	-0.1347E-02	0.9232E-03	-0.1376E-02
141	0.1792E-02	-0.6158E-02	0.8823E-03	-0.1331E-02	-0.3111E-02	-0.1329E-02	0.1258E-02	-0.1598E-02	-0.1393E-01	-0.1296E-02
142	0.4936E-02	-0.1318E-02	0.5118E-02	-0.1796E-02	-0.1254E-02	-0.1270E-02	0.3162E-04	-0.1310E-02	0.1284E-02	-0.1319E-02
143	0.2059E-03	-0.1297E-02	0.7445E-02	-0.1274E-02	-0.2723E-02	-0.1211E-02	0.4275E-02	-0.1297E-02	0.4280E-02	-0.1189E-02
144	0.7991E-02	-0.1267E-02	0.2652E-02	-0.1260E-02	0.8673E-02	-0.1215E-02	-0.1122E-02	-0.1245E-02	0.6415E-03	-0.1239E-02
145	0.4860E-02	-0.1182E-02	-0.1417E-01	-0.7740E-03	0.2817E-00	-0.1040E-02	0.3137E-02	-0.1222E-02	-0.4407E-02	-0.1203E-02
146	0.2925E-02	-0.1224E-02	0.5162E-02	-0.1197E-02	-0.1118E-02	-0.1213E-02	0.1148E-02	-0.1199E-02	0.1458E-02	-0.1187E-02
147	0.2945E-02	-0.1189E-02	0.7625E-03	-0.2589E-02	0.1590E-02	-0.1326E-02	0.1880E-02	-0.1174E-02	-0.4241E-02	-0.1156E-02
148	0.6017E-02	-0.1070E-02	0.1403E-02	-0.1158E-02	0.2404E-02	-0.2577E-02	0.2874E-01	-0.1139E-02	0.4805E-02	-0.1145E-02
149	0.2847E-03	-0.1156E-02	0.1693E-02	-0.1127E-02	0.7831E-03	-0.1145E-02	-0.1025E-02	-0.1133E-02	-0.6452E-03	-0.1120E-02
150	0.5358E-02	-0.1148E-02	-0.1600E-01	-0.1165E-02	0.1524E-02	-0.1101E-02	0.2347E-02	-0.1088E-02	0.1325E-02	-0.1088E-02
151	-0.5182E-03	-0.1076E-02	-0.5873E-02	-0.1075E-02	-0.1816E-03	-0.1005E-02	0.6222E-02	-0.1056E-02	-0.5515E-02	-0.1101E-02
152	-0.8687E-02	-0.1066E-02	0.4895E-02	-0.4269E-02	0.6732E-03	-0.1227E-02	-0.4596E-03	-0.1052E-02	0.2642E-02	-0.1042E-02
153	0.2112E-02	-0.9726E-03	-0.4585E-03	-0.1037E-02	-0.6186E-02	-0.1017E-02	-0.8561E-04	-0.8751E-03	-0.1359E-02	-0.9995E-03
154	0.3250E-02	-0.1024E-02	0.5463E-02	-0.9698E-03	0.2125E-02	-0.1006E-02	-0.5170E-02	-0.9955E-03	0.1666E-02	-0.9960E-03
155	0.1041E-01	-0.9892E-03	0.6225E-02	-0.9943E-03	0.1185E-01	-0.9771E-03	-0.1854E-02	-0.9668E-03	0.5614E-02	-0.9525E-03
156	0.2021E-02	-0.9635E-03	-0.1344E-01	-0.9669E-03	0.4369E-02	-0.9163E-03	0.2106E-02	-0.9486E-03	-0.5123E-02	-0.9399E-03
157	0.1507E-01	-0.9417E-03	-0.2828E-02	-0.1290E-02	-0.2362E-01	-0.1944E-02	0.2164E-02	-0.9074E-03	-0.3218E-02	-0.8924E-03
158	0.4287E-05	-0.8992E-03	-0.5490E-02	-0.8873E-03	0.2370E-02	-0.8958E-03	0.2671E-01	-0.8921E-03	0.4803E-03	-0.8234E-03
159	-0.8388E-03	-0.7796E-03	0.6168E-02	-0.6892E-03	-0.1896E-02	-0.4527E-03	0.4533E-02	0.7289E-03	0.2183E-02	-0.5631E-01
160	-0.1343E-02	0.1412E-02	0.2877E-02	-0.3980E-03	0.1948E-01	-0.6695E-03	0.3582E-02	-0.7580E-03	-0.9629E-03	-0.7878E-03
161	0.1615E-02	-0.7946E-03	-0.3237E-02	-0.8201E-03	0.1388E-02	-0.8157E-03	-0.2470E-02	-0.8174E-03	0.2653E-02	-0.7579E-03
162	-0.1059E-01	-0.7895E-03	-0.8457E-04	-0.8145E-03	-0.3337E-02	-0.8604E-03	-0.2063E-02	-0.8102E-03	0.9228E-02	-0.5711E-03
163	-0.3789E-02	-0.7967E-03	-0.2215E-03	-0.1066E-02	0.3059E-02	-0.8109E-03	-0.9990E-03	-0.7563E-03	0.8983E-02	-0.7817E-03
164	-0.2108E-03	-0.7715E-03	0.8899E-03	-0.1073E-02	-0.1487E-02	-0.7319E-03	0.3196E-02	-0.6933E-03	-0.1450E-02	-0.7626E-03
165	0.5035E-01	-0.7817E-03	0.1854E-02	-0.7482E-03	-0.3116E-04	-0.7205E-03	-0.2046E-02	-0.7412E-03	0.8871E-04	-0.7149E-03
166	0.1894E-01	-0.7492E-03	0.1807E-02	-0.7273E-03	0.2319E-02	-0.7236E-03	0.7014E-03	-0.7175E-03	-0.5672E-03	-0.6948E-03
167	-0.1602E-02	-0.6952E-03	0.2100E-02	-0.6954E-03	0.7385E-02	-0.7006E-03	0.3644E-02	-0.7030E-03	0.1653E-03	-0.6908E-03
168	0.1062E-02	-0.6812E-03	-0.9222E-02	-0.5577E-03	0.1358E-02	-0.6776E-03	-0.5521E-02	-0.6268E-03	-0.6907E-01	-0.6928E-03
169	-0.8968E-02	-0.6756E-03	-0.2423E-02	-0.6614E-03	-0.1695E-02	-0.6766E-03	0.3145E-02	-0.6878E-03	0.1256E-01	-0.6559E-03
170	0.1596E-02	-0.6221E-03	0.1338E-02	-0.6316E-03	0.3202E-02	-0.6218E-03	0.2570E-02	-0.6983E-03	0.1255E-02	-0.5721E-03
171	0.2935E-03	-0.4729E-03	-0.2790E-02	0.6419E-02	0.3234E-02	-0.3597E-03	0.7372E-02	-0.5717E-03	0.3616E-02	-0.5897E-03
172	-0.3414E-02	-0.6247E-03	0.2604E-02	-0.5912E-03	0.1366E-02	-0.5810E-03	-0.1302E-01	-0.5895E-03	-0.3975E-02	-0.5166E-03
173	-0.7406E-02	-0.5845E-03	-0.2480E-02	-0.5680E-03	0.2076E-02	-0.1186E-02	0.4182E-03	-0.5487E-03	0.1986E-02	-0.5393E-03
174	0.1075E-01	-0.5445E-03	0.2801E-03	-0.5556E-03	0.2588E-02	-0.5455E-03	0.4422E-02	-0.5073E-03	0.1444E-02	-0.5363E-03
175	0.3593E-02	-0.5350E-03	-0.9495E-03	-0.5209E-03	-0.1019E-02	-0.4728E-03	0.2538E-02	-0.5030E-03	0.2260E-01	0.1310E-03
176	0.1600E-03	-0.5054E-03	0.1296E-02	-0.5025E-03	-0.3832E-02	-0.5035E-03	0.1956E-01	-0.4931E-03	0.1399E-02	-0.4404E-03
177	-0.1418E-02	-0.4627E-03	-0.1078E-01	-0.3487E-03	0.1409E-02	-0.2428E-03	0.1459E-02	-0.2028E-01	0.1326E-02	-0.2936E-03
178	0.7499E-02	-0.4323E-03	0.1751E-02	-0.4421E-03	-0.6384E-02	-0.4395E-03	-0.1667E-04	-0.4516E-03	-0.2571E-03	-0.4386E-03
179	-0.2847E-02	-0.4241E-03	0.1875E-02	-0.4219E-03	0.2891E-03	-0.4354E-03	-0.4551E-02	-0.4141E-03	-0.4928E-02	-0.4338E-03
180	0.1322E-02	-0.4145E-03	-0.1054E-02	-0.6715E-03	0.2612E-03	-0.4267E-03	-0.1569E-03	-0.4288E-03	-0.1938E-01	-0.3975E-03

181	0.1534E-02	-0.3836E-03	-0.9063E-03	-0.3842E-03	0.2116E-02	-0.3212E-03	-0.1883E-03	0.6539E-02	-0.5525E-02	-0.3365E-03
182	0.1320E-03	-0.3682E-03	0.1160E-02	-0.3665E-03	0.1629E-02	-0.3633E-03	0.7808E-03	-0.3528E-03	0.9371E-02	-0.3701E-03
183	0.2237E-02	-0.3638E-03	0.8007E-02	-0.3450E-03	0.1682E-02	-0.3277E-03	0.1361E-01	-0.3605E-04	0.9333E-03	-0.3446E-03
184	0.2628E-05	-0.3514E-03	-0.1591E-01	-0.3019E-03	-0.1313E-02	0.1796E-02	-0.3027E-02	-0.3010E-03	-0.8143E-03	-0.3168E-03
185	0.9585E-03	-0.3146E-03	0.5788E-03	-0.2861E-03	-0.4580E-03	-0.2995E-03	0.4641E-02	-0.3093E-03	0.1311E-01	-0.2958E-03
186	-0.9636E-03	-0.2844E-03	-0.1076E-02	-0.2647E-03	0.1979E-02	-0.7012E-04	0.2802E-02	-0.2341E-03	-0.1571E-02	-0.2566E-03
187	0.4072E-03	-0.2498E-03	-0.6796E-02	-0.2666E-03	0.3353E-03	-0.2498E-03	0.5863E-05	-0.2651E-03	0.7551E-02	-0.2422E-03
188	0.5679E-03	0.1156E-03	0.3616E-02	-0.2247E-03	-0.3037E-02	-0.2367E-03	0.6001E-02	-0.2453E-03	0.1718E-03	-0.2251E-03
189	0.5678E-01	-0.2317E-03	-0.1625E-02	-0.1999E-03	0.2702E-02	-0.2690E-03	-0.2418E-02	-0.2063E-03	-0.2058E-02	-0.2111E-03
190	0.2865E-02	-0.2100E-03	0.2484E-02	-0.1540E-03	-0.2239E-02	-0.1851E-03	0.3743E-03	-0.2014E-03	-0.3941E-02	-0.1674E-03
191	0.1405E-02	-0.2260E-03	-0.1349E 00	-0.1640E-03	-0.4320E-02	-0.2084E-03	-0.1020E-02	-0.1587E-03	-0.4495E-02	-0.1050E-02
192	0.3361E-02	-0.1556E-03	0.4552E-02	-0.1292E-03	0.4849E-02	-0.1926E-02	0.1698E-02	-0.1432E-03	-0.1443E-02	-0.1493E-03
193	-0.1072E 00	-0.2147E-03	-0.5633E-03	-0.1265E-03	-0.3435E-03	-0.1383E-03	0.8859E-02	-0.1181E-03	-0.1819E-02	-0.1119E-03
194	0.3249E-02	-0.1129E-03	0.2540E-02	-0.1096E-03	0.2875E-01	-0.6139E-03	-0.9771E-03	-0.1064E-03	0.8927E-03	-0.1043E-03
195	0.9139E-03	-0.5360E-04	0.3948E-02	-0.8595E-04	-0.9743E-02	-0.8374E-04	0.4611E-03	-0.8187E-04	-0.6950E-03	-0.8192E-04
196	-0.7331E-03	-0.7874E-04	-0.1286E-03	-0.6188E-04	-0.2478E-02	-0.3117E-04	-0.1870E-02	-0.4358E-04	0.5659E-03	-0.5125E-04
197	-0.4515E-01	-0.5051E-04	-0.2268E-03	0.1020E-03	0.3621E-03	-0.4029E-04	-0.3572E-01	0.1012E-03	0.2324E-02	-0.3759E-04
198	-0.2615E-02	-0.1501E-03	0.3288E-02	-0.6506E-04	-0.2672E-02	0.1640E-04	-0.3534E-02	-0.7428E-05	0.5403E-02	-0.1923E-04
199	-0.8758E-03	-0.1057E-04	-0.3057E-02	-0.1216E-04	0.1803E-02	-0.5915E-05	-0.4241E-02	0.7371E-05	-0.2656E-05	0.0

```

1.//DVZ07912 JOB (DVZ,0,0),TACK,MSGLEVEL=(2,1),PRTY=5,CLASS=B      1
2.//TSDATA EXEC FHCLG,PARM.C='OPT=2'                                2
3.//C.SYSIN DD *                                                    3
4.C   MEASURE TAPE SIMULATION.                                       4
5.   DIMENSION V(16,64)                                             5
6.   NB=100                                                         6
7.   KA=16                                                         7
8.   REWIND 1                                                       8
9.   WRITE(6,201) NB,KA                                           9
10.  M=1024/KA                                                      10
11.  KA1=KA-1                                                       11
12.C  M*NB IS THE NUMBER OF VALUES PRO CHANNEL.                   12
13.  DX=1.E2 *(6.283186 /(M *NB))                                   13
14.  X=0.                                                            14
15.  DO 1 J=1,NB                                                    15
16.  DO 2 K=1,M                                                    16
17.  DO 3 I=1,KA1,2                                               17
18.  V(I,K)=SIN(X)                                                18
19.  3 W(I+1,K)=COS(X)                                            19
20.  2 X=X+DX                                                       20
21.  1 WRITE(1)V                                                  21
22.  STOP                                                           22
23.  201 FORMAT('1TAPE SIMULATION WITH',G5,' BLOCKS AND',G4,' CHANNELS.' ) 23
24.  END                                                            24
25.//G.FT012001 DD UNIT=SYSDA,DISP=(,PASS),SPACE=(4104,(100)),    25
26.// DCB=(RECFM=VS,BLKSIZE=4104)                                   26
27.// EXEC FHCLG,PARM.C='OPT=2',PARM.L='OVLY,DC',REGION.G=300K,TIME.G=5 27
28.//C.SYSIN DD *                                                    28
29.C  P2 AND P3 IN ONE JOB.                                         29
30.  INTEGER CHX1,CHX2,R,W                                         30
31.  COMMON /PAR/ NB,KA,NG,MP1,M, N,CHX1,CHX2,R,W,KA,NT           31
32.  REWIND 21                                                       32
33.  WRITE(6,200)                                                   33
34.  READ(5,101) KA,NB,MP1,ICHX1,ICHX2                             34
35.  WRITE(6,201) KA,NB,MP1,ICHX1,ICHX2                             35
36.  IF(ICHX2.LT. ICHX1) GOTO 91                                    36
37.  CHX1=ICHX1                                                      37
38.  CHX2=ICHX1                                                      38
39.  CALL P2                                                         39
40.  IF(ICHX1.EQ. ICHX2) GO TO 2                                    40
41.  CHX1=ICHX2                                                      41
42.  CHX2=ICHX2                                                      42
43.  CALL P2                                                         43
44.  CHX1=ICHX1                                                      44
45.  CHX2=ICHX2                                                      45
46.  CALL P2                                                         46
47.  CHX1=ICHX2                                                      47
48.  CHX2=ICHX1                                                      48
49.  CALL P2                                                         49
50.  CHX1=ICHX1                                                      50
51.  CHX2=ICHX2                                                      51
52.  2 CALL P3                                                       52
53.  STOP                                                           53
54.  91 WRITE(6,251)                                               54
55.  STOP                                                           55
56.  101 FORMAT(5G10)                                              56
57.  200 FORMAT('1EXECUTION OF THE SUPERVISING PROGRAM.'//)      57
58.  201 FORMAT(' NUMBER OF CHANNELS:',G5/                          58
59.  1' NUMBER OF BLOCKS:',G5/                                       59
60.  2' NUMBER OF CORRELATION COEFFICIENTS:',G5/                    60

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61.	3* CHANNEL INDEXES:',2G5/)	61
62.	251 FORMAT(///' ICHX2.LT.ICHX1')	62
63.	END	63
64.	SUBROUTINE P2	64
65.C	INPUT TO THIS PROGRAM:TAPE 20 WITH NB BLOCKS OF LBUF=1024	65
66.C	VALUES.(THESE ARE ALREADY RELATIVE TO THE CHANNEL MEAN AND	66
67.C	MULTIPLIED BY THE CHANNEL CONSTANTS.)	67
68.C	IN EACH BLOCK, 1024/KA GROUPS OF KA MEASURES SAMPLED AT A GIVEN	68
69.C	TIME.	69
70.C	OUTPUT OF THIS PROGRAM:MP1 CORRELATION COEFFICIENTS FROM	70
71.C	CHANNELS CHX1 AND CHX2.(ON TAPE 21)	71
72.C	KA:NUMBER OF CHANNELS ON THE ORIGINAL TAPE.	72
73.C	NB:NUMBER OF BLOCKS.	73
74.C	MP1=LAGMAX+1:NUMBER OF CORRELATION COEFFICIENTS.	74
75.C	NT=1024*NB:TOTAL MEASURED VALUES.	75
76.C	N=NT/KA:NUMBER OF MEASURED VALUES PRO CHANNEL.	76
77.C	KAA:NUMBER OF CHANNELS USED FOR THIS COMPUTAION.(1 OR 2)	77
78.C	LBUF=1024:TAPE BLOCK LENGTH.	78
79.C	M=2048:DIMENSION OF A HALF BUFFER.SHOULD BE GT MP1.AND,SINCE	79
80.C	MP1 .LE. 2000,M=2048=2*LBUF	80
81.C	KA SHOULD BE A DIVISOR OF LBUF=1024.	81
82.C	THE ARRAY SHOULD CONTAIN NT(LE.2024) * KAA (KAA.LE.2) VALUES ON	82
83.C	THE HALF (LEFT OR RIGHT) OF ITS SURFACE.	83
84.	INTEGER CHX1,CHX2,R,W	84
85.	INTEGER FX,D	85
86.	INTEGER BUFX	86
87.	COMMON /BUF/ B(1024),BUFX,LBUF	87
88.	COMMON /FILE / FX,D,ISR,BX	88
89.	COMMON /PAR/ NB,KA,NG,MP1,M, N,CHX1,CHX2,R,W,KAA,NT	89
90.	COMMON /TI/ TIME1	90
91.	D=20	91
92.	R=5	92
93.	W=6	93
94.	M=2048	94
95.	LBUF=M/2	95
96.	BUFX=0	96
97.	WRITE(W,200)	97
98.	WRITE(W,201) KA,NB,MP1	98
99.	WRITE(W,202)CHX1,CHX2	99
100.C	CHECKS.	100
101.	NT=LBUF*NB	101
102.	N=NT/KA	102
103.	IF((MP1.GT.MINO(M,N)).OR.(MP1.GT.2000)) GO TO 61	103
104.	IF(NT .GT.400000) GO TO 63	104
105.	IF(KA .GT.16)GO TO 65	105
106.	IF(MAX0(CHX1,CHX2).GT.KA)GO TO 66	106
107.	IF(LBUF-(LBUF/KA)*KA.NE.0)GO TO 62	107
108.	IF(CHX1.EQ.CHX2) GO TO 1	108
109.	KAA=2	109
110.	GO TO 2	110
111.	1 KAA=1	111
112.	2 CALL CCRE	112
113.	CALL DELAY	113
114.	RETURN	114
115.	61 WRITE(W,610)	115
116.	GO TO 99	116
117.	62 WRITE(W,620)	117
118.	GO TO 99	118
119.	63 WRITE(W,630)	119
120.	GO TO 99	120

121.	65	WRITE (W,650)	121
122.		GO TO 99	122
123.	66	WRITE (W,660)	123
124.	99	STOP	124
125.	101	FORMAT (3E10)	125
126.	200	FORMAT (' EXECUTION OF THE PROGRAM P2.'//)	126
127.	201	FORMAT (' NUMBER OF CHANNELS ON THE ORIGINAL TAPE: ',I10/	127
128.	1	' NUMBER OF BLOCKS TO BE COMPUTED: ',I10/	128
129.	2	' NUMBER OF CORR. COEFF. PER COMBINATION: ',I10//)	129
130.	202	FORMAT (' COMBINATION TO BE COMPUTED.'/' FIRST CHANNEL : ',I3/	130
131.	1	' SECOND CHANNEL: ',I3)	131
132.	610	FORMAT (' NUMBER OF CORRELATION COEFFICIENTS TOO BIG')	132
133.	620	FORMAT (' KA IS NOT A DIVISOR OF LBUF=1024')	133
134.	630	FORMAT (' TOTAL NUMBER OF MEASURED VALUES TOO BIG')	134
135.	650	FORMAT (' MORE THAN 16 CHANNELS')	135
136.	660	FORMAT (' ERROR IN COMBINATION')	136
137.		END	137
138.		SUBROUTINE CORE	138
139.		INTEGER FX,D	139
140.		INTEGER CHX1,CHX2,R,W	140
141.		COMMON /TI/ TIME1	141
142.		COMMON /FILE / FX,D,ISR,BX	142
143.		COMMON /PAR/ NB,KA,NG,MP1,M, N,CHX1,CHX2,R,W,KA,NT	143
144.		COMMON /BUF/ B(1024),BUF1,LBUF	144
145.		COMMON /GO/ C(2000)	145
146.		COMMON /ARRAY/ V(4096,2)	146
147.		REWIND D	147
148.		FX=1	148
149.		ISR=N	149
150.		READ(D) (B(KK),KK=1,LBUF)	150
151.		BX=1	151
152.C		NRUN CEILING OF N/M AS REAL NUMBER	152
153.		NRUN =I FIX (FLOAT (N) / FLOAT (M))	153
154.		IF (MOD (N , M) .GT. 0) NRUN=NRUN+1	154
155.C		COEFFICIENTS INITIALIZATION	155
156.		DO 11 L=1,MP1	156
157.	11	C(L)=0	157
158.		NRUN=N	158
159.		TIME1=ZEIT(0)	159
160.		DO 1 IRUN=1, NRUN	160
161.C		LOADING THE ARRAY	161
162.		IF (IRUN .NE. 1) GO TO 2	162
163.		CALL FR(0)	163
164.		IF (NRUN .EQ. 1) GO TO 3	164
165.		CALL FR(1)	165
166.		GO TO 3	166
167.	2	DO 4 J=1,M	167
168.		DO 4 K=1,2	168
169.	4	V(J,K)=V(J+M,K)	169
170.		IF ((IRUN.EQ.1).OR.(IRUN.EQ.NRUN)) GO TO 3	170
171.		CALL FR(1)	171
172.C		PROCESSING	172
173.	3	IF (NRUN-MP1+1.GE.M) GO TO 8	173
174.		L0=0	174
175.		MA=NRUN	175
176.		DO 6 L=1,MP1	176
177.		NCOM = MINO (M ,MA)	177
178.		DO 7 J=1,NCOM	178
179.		JJ=J+L0	179
180.	7	C(L)=C(L)+V(J,1)*V(J+L0,2)	180

181.	MA=MA-1	181
182.	6 LO=LO+1	182
183.	GO TO 1	183
184.	8 LO=0	184
185.C	NO TEST NECESSARY.	185
186.	DO 12 L=1,MP1	186
187.	DO 13 J=1,M	187
188.	JJ=J+LO	188
189.	13 C(L)=C(L)+V(J,1)*V(J+LO,2)	189
190.	12 LO=LO+1	190
191.	1 NRED=NRED-M	191
192.	TIME2=ZEIT(TIME1)	192
193.	TDUR=ZEIT(TIME1)	193
194.	WRITE(6,252)TDUR	194
195.	DIV=N	195
196.	DO 14 L=1,MP1	196
197.	C(L)=C(L)/DIV	197
198.	14 DIV=DIV-1.	198
199.	XN=N	199
200.	WRITE(21)-(C(L),L=1,MP1)	200
201.	RETURN	201
202.	202 FORMAT(' ERROR.C(' ,I7,')=',E20.8,' E=',E20.8)	202
203.	252 FORMAT(' DURATION IN SEC.:',G20.8//)	203
204.	END	204
205.	SUBROUTINE FR(II)	205
206.C	MOVES NGR MEASURES FOR EACH CHANNEL FROM THE TAPE INTO THE	206
207.C	ARRAY V.LEFT,IF I=0,RIGHT IF I=1.	207
208.C	ISR IS THE QUANTITY OF MEASURES PER CHANNEL,WHICH STILL REMAINS	208
209.C	ON THE CURRENT BLOCK.	209
210.C	BX:BLOCK INDEX.	210
211.C	BUF:BUFFER INDEX	211
212.	INTEGER FX,D	212
213.	INTEGER CHX1,CHX2,R,W	213
214.	INTEGER BUF	214
215.	COMMON /BUF/ B(1024),BUF,LBUF	215
216.	COMMON /FILE/ FX,D,ISR,BX	216
217.	COMMON /PAR/ NE,KA,NG,MP1,M, N,CHX1,CHX2,R,W,KA,NT	217
218.	COMMON /ARRAY/ V(4096,2)	218
219.	NGR= MINO(M,ISR)	219
220.	EQD=M+II	220
221.	DO 1 J=1,NGR	221
222.	V(J+MOD,1)=B(BUF+CHX1)	222
223.	V(J+MOD,2)=B(BUF+CHX2)	223
224.	BUF=BUF+KA	224
225.	IF(BUF.LT.LBUF)GO TO 1	225
226.	IF(BX.EQ.NE)GO TO 3	226
227.	READ(D) (B(KK),KK=1,LBUF)	227
228.	BX=BX+1	228
229.	BUF=0	229
230.	1 CONTINUE	230
231.	4 ISR=ISR-M	231
232.	RETURN	232
233.	3 IF (J.EQ.NGR) GO TO 4	233
234.	WRITE(W,201)J,BUF,ISR	234
235.	STOP	235
236.	201 FORMAT(' TAPE ERROR.J=',I5,' BUF=',I5,' ISR=',I5)	236
237.	END	237
238.	SUBROUTINE DPLAY	238
239.	INTEGER CHX1,CHX2,R,W	239
240.	DIMENSION X(2000),Y(2000)	240

241.	DIMENSION XPB(9), YPB(9), NPDIR(9), NPSC(9)	241
242.	COMMON /CO/ C(2000)	242
243.	COMMON /PAR/ NB, KA, NG, MP1, M, N, CHX1, CHX2, R, W, KAA, NT	243
244.	COMMON /BLT / IDPLOT	244
245.	IDELOT=1	245
246.	DO 7000 L=1, MP1	246
247.	7000 Y(L)=C(L)	247
248.	WRITE(W, 201) CHX1, CHX2	248
249.	CALL SCREP(Y)	249
250.	5 CALL PRPLOT(Y, 0, 0,	250
251.	1 60H CORRELATION COEFFICIENTS)	251
252.	RETURN	252
253.	201 FORMAT(1H1, 31X, 37H CORRELATION COEFFICIENTS FOR CHANNELS, I4, 4H AND	253
254.	1, I4//)	254
255.	END	255
256.	SUBROUTINE P3	256
257.C	INPUT TO THIS PROGRAM:	257
258.C	ON FT21F001: CORR. COEF. CHANNELS: CHX1 AND CHX1.	258
259.C	ON FT21F002: CORR. COEF. CHANNELS: CHX2 AND CHX2.	259
260.C	ON FT21F003: CORR. COEF. CHANNELS: CHX1 AND CHX2.	260
261.C	ON FT21F004: CORR. COEF. CHANNELS: CHX2 AND CHX1.	261
262.C	IF CHX1 .EQ. CHX2, ONLY DATA SET 21 IS PRESENT.	262
263.	LOGICAL SONLY, SECRUN	263
264.	INTEGER CDS	264
265.	INTEGER CHX1, CHX2, T, W	265
266.	DIMENSION C12(2000), C21(2000)	266
267.	DIMENSION S(2000)	267
268.	DIMENSION X(2000), Y(2000), G1(2000), C1(2000), Q1(2000), R1(2000),	268
269.	1A(2000), B(2000), R(2000), G2(2000), C2(2000), Q2(2000)	269
270.	DIMENSION XPB(9), YPB(9), NPDIR(9), NPSC(9)	270
271.	COMMON /BLT / IDPLOT	271
272.	COMMON /PAR/ NB, KA, NG, MP1, M, N, CHX1, CHX2, T, W, KAA, NT	272
273.	COMMON /FREQ/ HFR	273
274.	COMMON /TABLE/ TAB(4000)	274
275.	EQUIVALENCE(X(1), R1(1), G1(1), C1(1), Q1(1)), (Y(1), A(1), B(1), R(1), G2(275
276.	11), C2(1), Q2(1))	276
277.	T=5	277
278.	W=6	278
279.	WRITE(W, 200)	279
280.	WRITE(W, 201) KA, NB, MP1	280
281.	WRITE(6, 202) CHX1, CHX2	281
282.	READ(T, 102) HFR	282
283.	WRITE(W, 211) HFR	283
284.	PI=3.1415927	284
285.	M=MP1-1	285
286.	SONLY=.FALSE.	286
287.	SECRUN=.FALSE.	287
288.	IF(CHX1.EQ.CHX2) SONLY=.TRUE.	288
289.	IF1=CHX1	289
290.	IF2=CHX1	290
291.C	POWER SPECTRAL DENSITY FUNCTIONS	291
292.	TAB(1)=1.	292
293.	TAB(MP1+M)=1.	293
294.	TAB(MP1)=-1.	294
295.	DU=PI/M	295
296.	U=DU	296
297.	DO5000 I=2, M	297
298.	TAB(I)=COS(U)	298
299.	5000 U=U+DU	299
300.	DO 5001 I=2, M	300

301.	5001	TAB(I+M)=-TAB(I)			301
302.		REWIND 21			302
303.	52	READ(21) (R(L) ,L=1,MP1)			303
304.		TIME1=ZEIT(0.)			304
305.		CALL FR1(R,G1)			305
306.		CALL TRFA(G1,G2)			306
307.		TDUR=ZEIT(TIME1)			307
308.		WRITE(W,204) IP1,IP2			308
309.		CALL SCRIP(G2)			309
310.		WRITE(W,213)TDUR			310
311.		CALL PREPLOT(R ,IP1,IP2,			311
312.	1	60H POWER SPECTRAL DENSITY FUNCTIONS)		312
313.		IF(SONLY) STOP			313
314.		IF(SECRUN) GO TO 51			314
315.		SECRUN=.TRUE.			315
316.		IP1=CHX2			316
317.		IP2=CHX2			317
318.		GO TO 52			318
319.C		CROSS POWER SPECTRAL DENSITY FUNCTIONS			319
320.	51	CONTINUE			320
321.	11	READ(21) (C12(L) ,L=1,MP1)			321
322.	12	READ(21) (C21(L) ,L=1,MP1)			322
323.		DO 3 L=1,MP1			323
324.	3	A(L)=-.5*(C12(L)+C21(L))			324
325.		CALL FR1(A,C1)			325
326.		CALL TRFA(C1,C2)			326
327.		TDUR=ZEIT(TIME1)			327
328.		WRITE(W,205)CHX1,CHX2			328
329.		CALL SCRIP(C2)			329
330.		WRITE(W,213)TDUR			330
331.		IP1=CHX1			331
332.		IP2=CHX2			332
333.		CALL PREPLOT(C2,IP1,IP2,			333
334.	1	60H C CROSS POWER DENSITY FUNCTIONS)		334
335.		DO 7 L=1,MP1			335
336.	7	B(L)=-.5*(C12(L)-C21(L))			336
337.		TAB(1)=0.			337
338.		TAB(MP1+M)=0.			338
339.		TAB(MP1)=0.			339
340.		U=DU			340
341.		DO5003 I=2,M			341
342.		TAB(I)=SIN(U)			342
343.	5003	U=U+DU			343
344.		DO 5004 I=2,M			344
345.	5004	TAB(I+M)=-TAB(I)			345
346.		TIME1=ZEIT(0.)			346
347.		CALL FR2(B,Q1)			347
348.		CALL TRFA(Q1,Q2)			348
349.		TDUR=ZEIT(TIME1)			349
350.		WRITE(W,206)CHX2,CHX1			350
351.		CALL SCRIP(Q2)			351
352.		WRITE(W,213)TDUR			352
353.		IP1=CHX2			353
354.		IP2=CHX1			354
355.		CALL PREPLOT(Q2,IP1,IP2,			355
356.	1	60H Q CROSS POWER DENSITY FUNCTIONS)		356
357.		RETURN			357
358.	101	FORMAT(2I10)			358
359.	102	FORMAT(F10.0)			359
360.	105	FORMAT(3I10)			360

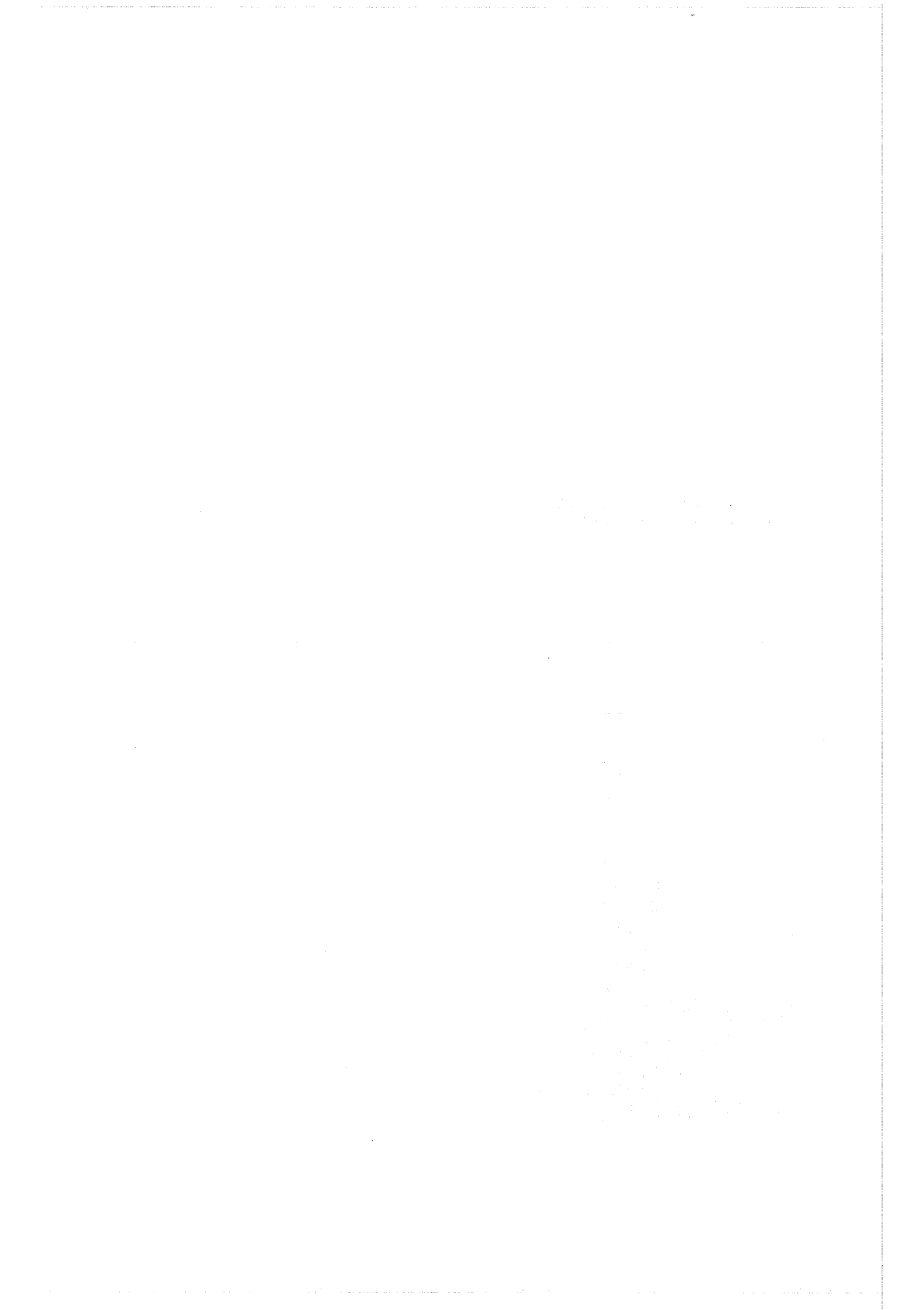
361.	200	FORMAT('EXECUTION OF THE PROGRAM P3.'//)		361
362.	201	FORMAT(' NUMBER OF CHANNELS ON THE ORIGINAL TAPE:	' ,I10/	362
363.	1	' NUMBER OF BLOCKS TO BE COMPUTED:	' ,I10/	363
364.	2	' NUMBER OF CORR. COEFF. PER COMBINATION:	' ,I10//)	364
365.	202	FORMAT(' CHANNELS:',2I5)		365
366.	204	FORMAT('1',30X,'POWER SPECTRAL DENSITY FUNCTIONS.CHANNELS',G4,		366
367.		' AND',G4//)		367
368.	205	FORMAT('1',30X,'C CROSS POWER SPECTRAL DENSITY FUNCTIONS.CHANNELS:		368
369.		' ,G4,' AND',G4//)		369
370.	206	FORMAT('1',30X,'Q CROSS POWER SPECTRAL DENSITY FUNCTIONS.CHANNELS:		370
371.		' ,G4,' AND',G4//)		371
372.	211	FORMAT(' FREQUENCY INTERVAL',E20.8)		372
373.	213	FORMAT('/' DURATION IN S.:',G20.8/)		373
374.		END		374
375.		SUBROUTINE FR1(X,Y)		375
376.		INTEGER DITAB,DM		376
377.		DIMENSION X(2000),Y(2000)		377
378.		COMMON /TABLE/ TAB(4000)		378
379.		COMMON /PAR/ NE,KA,NG,MP1,MDU, N,CHX1,CHX2,T,W,CAA,NT		379
380.C		MDU:DUMMY		380
381.		COMMON /FREQ/ HFR		381
382.		M=MP1-1		382
383.		NTAB=MP1+M		383
384.		DM=NTAB-1		384
385.C		SUMMATION TERMS.		385
386.		DO 1 NF=1,M		386
387.		DITAB=NF-1		387
388.		ITAB=1		388
389.		Y(NF)=0.		389
390.		DO 8 LF=2,M		390
391.		ITAB=ITAB+DITAB		391
392.		IF (ITAB.GE.NTAB) ITAB=ITAB-DM		392
393.		Y(NF)=Y(NF)+X(LF)*TAB(ITAB)		393
394.	8	CONTINUE		394
395.	1	CONTINUE		395
396.		Y(MP1)=0.		396
397.		DO 2 LF=2,M,2		397
398.	2	Y(MP1)=Y(MP1)-X(LF)		398
399.		DO 3 LF=3,M,2		399
400.	3	Y(MP1)=Y(MP1)+X(LF)		400
401.C		DOUBLING THE SUM.		401
402.		DO 4 NF=1,MP1		402
403.	4	Y(NF)=2.*Y(NF)		403
404.		DO 5 NF=1,MP1,2		404
405.	5	Y(NF)=Y(NF)+X(MP1)		405
406.		DO 6 NF=2,MP1,2		406
407.	6	Y(NF)=Y(NF)-X(MP1)		407
408.		DO 7 NF=1,MP1		408
409.	7	Y(NF)=2.*HFR*(Y(NF)+X(1))		409
410.		RETURN		410
411.		END		411
412.		SUBROUTINE FR2(X,Y)		412
413.		INTEGER DITAB,DM		413
414.		DIMENSION X(2000),Y(2000)		414
415.		COMMON /FREQ/ HFR		415
416.C		MDU:DUMMY		416
417.		COMMON /PAR/ NE,KA,NG,MP1,MDU, N,CHX1,CHX2,T,W,CAA,NT		417
418.		COMMON /TABLE/ TAB(4000)		418
419.		M=MP1-1		419
420.		NTAB=MP1+M		420

421.	DM=NTAB-1	421
422.	Y(1)=0.	422
423.	Y(NP1)=0.	423
424.	DO 1 NF=2,M	424
425.	DITAB=NF-1	425
426.	ITAB=1	426
427.	Y(NF)=0.	427
428.	DO 2 LF=2,M	428
429.	ITAB=ITAB+DITAB	429
430.	IF (ITAB.GE.NTAB) ITAB=ITAB-DM	430
431.	Y(NF)=Y(NF)+X(LF)*TAB(ITAB)	431
432.	2 CONTINUE	432
433.	1 Y(NF)=4.*HFR*Y(NF)	433
434.	RETURN	434
435.	END	435
436.	SUBROUTINE TRFA(X,Y)	436
437.	DIMENSION X(2000),Y(2000)	437
438.C	MDU:DUMMY	438
439.	COMMON /PAR/ NB,KA,NG,MP1,MDU, N,CHX1,CHX2,T,W,KAA,NT	439
440.	M=MP1-1	440
441.	Y(1)=-.5*(X(1)+X(2))	441
442.	Y(MP1)=-.5*(X(M)+X(MP1))	442
443.	DO 1 NF=2,M	443
444.	1 Y(NF)=-.5*(.5*(X(NF-1)+X(NF+1))+X(NF))	444
445.	RETURN	445
446.	END	446
447.	SUBROUTINE SCRIP(Y)	447
448.	INTEGER CHX1,CHX2,R,W	448
449.	DIMENSION Y(2000)	449
450.	COMMON /PAR/ NB,KA,NG,MP1,M, N,CHX1,CHX2,R,W,KAA,NT	450
451.	WRITE(W,202)	451
452.	LAG=0	452
453.	LL=1	453
454.	L1=1	454
455.	L2=10	455
456.	4 IF (L2-MP1) 2,3,3	456
457.	3 L2=MP1	457
458.	LL=2	458
459.	2 WRITE(W,203) LAG, (Y(L),L=L1,L2)	459
460.	IF (MOD(LAG,60).EQ.0.AND.LAG.NE.0) WRITE(W,200)	460
461.	LAG=LAG+1	461
462.	L1=L1+10	462
463.	L2=L2+10	463
464.	GO TO (4,5),LL	464
465.	5 RETURN	465
466.	200 FQEMAT('1')	466
467.	202 FORMAT(16X,1H0,11X,	467
468.	11H1,11X,	468
469.	21H2,11X,	469
470.	31H3,11X,	470
471.	41H4,11X,	471
472.	51H5,11X,	472
473.	61H6,11X,	473
474.	71H7,11X,	474
475.	81H8,11X,	475
476.	91H9)	476
477.	203 FORMAT(1H ,I3,5X,10E12.4)	477
478.	END	478
479.	SUBROUTINE PRPLOT (Y,IP1,IP2,NTEXT)	479
480.	DIMENSION X(2000),Y(2000),XPB(9),NPDIR(9),NPSC(9),NTEXT(12),YPB(9)	480

481.	INTEGER CHX1,CHX2,R,W	481
482.	COMMON /PLT / IDPLOT	482
483.	COMMON /PAR/ NE,KA,NG,MP1,M, N,CHX1,CHX2,R,W,CAA,NT	483
484.	DO 37 I=1,MP1	484
485.	37 X(I)=I-1	485
486.	N1=3	486
487.	N2=4	487
488.	XMAX=MP1	488
489.	XMIN=0	489
490.	XA=XMIN	490
491.	XE=XMAX	491
492.	INDZ=1	492
493.	IF(MP1.GT.10)GO TO 42	493
494.	DX=1.	494
495.	GO TO 50	495
496.	42 IF(MP1.GT.500)GO TO 44	496
497.	DX=10.	497
498.	GO TO 50	498
499.	44 DX=100.	499
500.	50 XINDZ=INDZ	500
501.	SX=(XMAX*.001)/XINDZ	501
502.	PB=.65*XMAX	502
503.	DO 2 I=1,4	503
504.	XPB(I)=PB	504
505.	NPDIN(I)=2	505
506.	2 NPSC(I)=1	506
507.	VMAX=Y(1)	507
508.	VMIN=VMAX	508
509.	DO 3 I=2,MP1	509
510.	IF(Y(I).LT.VMIN)VMIN=Y(I)	510
511.	IF(Y(I).GT.VMAX)VMAX=Y(I)	511
512.	3 CONTINUE	512
513.	IF(VMAX.NE.0..OR.VMIN.NE.0.)GO TO 301	513
514.	WRITE(W,550)	514
515.	STOP	515
516.	301 CALL ROUND(VMAX,YMAX,1.)	516
517.	CALL ROUND(VMIN,YMIN,-1.)	517
518.	IF(YMAX*YMIN.LE.0.)GO TO 5	518
519.	IF(YMAX.LT.0.)GO TO 304	519
520.	IF(YMIN/YMAX.LE..25)YMIN=0.	520
521.	GO TO 510	521
522.	304 IF(YMAX/YMIN.LE..25)YMAX=0.	522
523.	GO TO 510	523
524.	5 IF(YMAX.GT.(-YMIN))GO TO 6	524
525.	YMAX=-YMIN	525
526.	GO TO 510	526
527.	6 YMIN=-YMAX	527
528.	510 SY=(YMAX-YMIN)*.001	528
529.	YA=YMIN	529
530.	YE=YMAX	530
531.	DY=(YE-YA)*.05	531
532.	HT=50.*SY	532
533.	YPB(1)=YMAX-HT	533
534.	DO 20 I=2,N2	534
535.	20 YPB(I)=YPB(I-1)-HT	535
536.	IF(IP1.NE.0)GO TO 40	536
537.	IP1=CHX1	537
538.	IP2=CHX2	538
539.	40 CALL CONV(CHX1,IT1)	539
540.	CALL CONV(CHX2,IT2)	540

541.	900	CALL PLOTA(X,Y,MP1,N1,0,1,1,1,INDZ,XMAX,XMIN,SY,NTEXT	541
542.		2, IDPLOT,1, XA,DX,XE,5HI4 , 1,-1,1,1,	542
543.		3 1, YA,DY,YE,5HE9.2 ,1,1,-1,1,	543
544.		4N2, XPB, YPB, NDIR, NPSC, 10CHANNELS., IT1 , SHAND., IT2)	544
545.		IDPLOT=IDPLOT+1	545
546.		RETURN	546
547.	550	FORMAT(' PR.PLOT.VMAX AND VMIN ARE BOTH ZERO.')	547
548.		END	548
549.		SUBROUTINE ROUND(A,B,C)	549
550.		IF(A) 1,2,1	550
551.	1	CALL NORM(ABS(A),AN,N)	551
552.		CALL LEVEL(AN,ANL,C+SIGN(1.,A))	552
553.		B=SIGN(ANL*10.**N,A)	553
554.	50	RETURN	554
555.	2	B=0.	555
556.		GO TO 50	556
557.		END	557
558.		SUBROUTINE NORM(A,AN,N)	558
559.		IF(A-1.) 1,2,1	559
560.	1	B=ALOG10(A)	560
561.		N=IFIX(ABS(B))	561
562.		IF(R) 3,4,4	562
563.	3	N=-N-1	563
564.	4	AN=A*10.**(-N)	564
565.	50	RETURN	565
566.	2	AN=1.	566
567.		N=0	567
568.		GO TO 50	568
569.		END	569
570.		SUBROUTINE LEVEL(A,B,C)	570
571.C		A LT 10.AND GE 1. , B OUTPUT , C=-1.FOR THE FLOOR LEVEL AND 1.	571
572.C		FOR THE CEILING LEVEL.	572
573.		DIMENSION E(6)	573
574.		DATA E/1.,2.,4.,5.,8.,10./	574
575.		A=AINT(A+.5)	575
576.		IF(C) 1,1,2	576
577.C		FLOOR	577
578.	1	L=5	578
579.		DO 11 J=1,4	579
580.		IF(A-E(L)) 12,13,13	580
581.	12	L=L-1	581
582.	11	CONTINUE	582
583.		B=1.	583
584.		GO TO 50	584
585.	13	B=E(L)	585
586.		GO TO 50	586
587.C		CEILING	587
588.	2	DO 23 J=2,5	588
589.		IF(A-E(J)) 22,22,23	589
590.	23	CONTINUE	590
591.		E=10.	591
592.		GO TO 50	592
593.	22	B=E(J)	593
594.	50	RETURN	594
595.		END	595
596.		SUBROUTINE CONV(I,J)	596
597.C		4HXX.,WHERE XX IS THE INTEGER NUMBER TO BE PRINTED.	597
598.C		FXFX.. OR FXFX4B4B IN HEX	598
599.		I1=I/10	599
600.		I2=I-10*I1	600

601.	N=240+I2+256*(240+I1)					601
602.	J=65536-N					602
603.	J=J*65536					603
604.	J=J-19275					604
605.	J=-J					605
606.	RETURN					606
607.	END					607
608.	//L.SYSIN DD *					608
609.	OVERLAY ALPHA					609
610.	INSERT P2,CORE,DELAY,FR					610
611.	OVERLAY ALPHA					611
612.	INSERT P3,FR1,FR2,TRFA					612
613.	//G.FT06F001 DD SYSOUT=D					613
614.	//G.FT07F001 DD SYSOUT=P					614
615.	//G.FT20F001 DD DSN=*.TSDATA.G.FT01F001,DISP=(OLD,PASS)					615
616.	//G.FT21F001 DD UNIT=SYSDA,SPACE=(TRK,(4)),DISP=(,PASS),					616
617.	// DCB=(RECFM=VS,BLKSIZE=7004)					617
618.	//G.SYSIN DD *					618
619.	16	30	1281	8	8	619
620.	1.					620
621.	//					//



EXECUTION OF THE SUPERVISING PROGRAM.

Appendix 7

NUMBER OF CHANNELS: 16
NUMBER OF BLOCKS: 30
NUMBER OF CORRELATION COEFFICIENTS: 1281
CHANNEL INDEXES: 5 8

EXECUTION OF THE PROGRAM P2.

NUMBER OF CHANNELS ON THE ORIGINAL TAPE:	16
NUMBER OF BLOCKS TO BE COMPUTED:	30
NUMBER OF CORR. COEFF. PER COMBINATION:	1281

COMBINATION TO BE COMPUTED.
FIRST CHANNEL : 5
SECOND CHANNEL: 5
DURATION IN SEC.: 37.779419

CORRELATION COEFFICIENTS FOR CHANNELS 5 AND 5

	0	1	2	3	4	5	6	7	8	9
0	0.5000E 00	0.4978E 00	0.4909E 00	0.4792E 00	0.4629E 00	0.4422E 00	0.4172E 00	0.3882E 00	0.3554E 00	0.3193E 00
1	0.2800E 00	0.2381E 00	0.1939E 00	0.1478E 00	0.1003E 00	0.5176E-01	0.2768E-02	-0.4625E-01	-0.9482E-01	-0.1425E 00
2	-0.1887E 00	-0.2332E 00	-0.2754E 00	-0.3150E 00	-0.3515E 00	-0.3847E 00	-0.4141E 00	-0.4396E 00	-0.4608E 00	-0.4776E 00
3	-0.4898E 00	-0.4973E 00	-0.5000E 00	-0.4979E 00	-0.4909E 00	-0.4793E 00	-0.4630E 00	-0.4423E 00	-0.4174E 00	-0.3884E 00
4	-0.3556E 00	-0.3195E 00	-0.2802E 00	-0.2383E 00	-0.1941E 00	-0.1480E 00	-0.1005E 00	-0.5202E-01	-0.3037E-02	0.4598E-01
5	0.9456E-01	0.1422E 00	0.1885E 00	0.2330E 00	0.2752E 00	0.3148E 00	0.3513E 00	0.3845E 00	0.4140E 00	0.4395E 00
6	0.4607E 00	0.4775E 00	0.4898E 00	0.4973E 00	0.5000E 00	0.4979E 00	0.4910E 00	0.4794E 00	0.4631E 00	0.4425E 00
7	0.4175E 00	0.3885E 00	0.3558E 00	0.3197E 00	0.2805E 00	0.2386E 00	0.1944E 00	0.1483E 00	0.1008E 00	0.5202E-01
8	0.3311E-02	-0.4571E-01	-0.9429E-01	-0.1420E 00	-0.1882E 00	-0.2327E 00	-0.2750E 00	-0.3146E 00	-0.3511E 00	-0.3843E 00
9	-0.4138E 00	-0.4393E 00	-0.4606E 00	-0.4775E 00	-0.4897E 00	-0.4972E 00	-0.5000E 00	-0.4979E 00	-0.4911E 00	-0.4795E 00
10	-0.4633E 00	-0.4426E 00	-0.4177E 00	-0.3887E 00	-0.3560E 00	-0.3199E 00	-0.2807E 00	-0.2388E 00	-0.1946E 00	-0.1486E 00
11	-0.1011E 00	-0.5257E-01	-0.3590E-02	0.4543E-01	0.9401E-01	0.1417E 00	0.1880E 00	0.2325E 00	0.2747E 00	0.3143E 00
12	0.3509E 00	0.3842E 00	0.4137E 00	0.4392E 00	0.4605E 00	0.4774E 00	0.4896E 00	0.4972E 00	0.5000E 00	0.4799E 00
13	0.4911E 00	0.4795E 00	0.4634E 00	0.4427E 00	0.4178E 00	0.3889E 00	0.3562E 00	0.3201E 00	0.2809E 00	0.2391E 00
14	0.1949E 00	0.1488E 00	0.1013E 00	0.5286E-01	0.3875E-02	-0.4514E-01	-0.3733E-01	-0.1414E 00	-0.1877E 00	-0.2322E 00
15	-0.2745E 00	-0.3141E 00	-0.3507E 00	-0.3840E 00	-0.4135E 00	-0.4391E 00	-0.4604E 00	-0.4773E 00	-0.4896E 00	-0.4772E 00
16	-0.5000E 00	-0.4980E 00	-0.4912E 00	-0.4796E 00	-0.4635E 00	-0.4429E 00	-0.4180E 00	-0.3891E 00	-0.3564E 00	-0.3203E 00
17	-0.2812E 00	-0.2393E 00	-0.1952E 00	-0.1491E 00	-0.1016E 00	-0.5315E-01	-0.4165E-02	0.4485E-01	0.9345E-01	0.1411E 00
18	0.1875E 00	0.2320E 00	0.2743E 00	0.3139E 00	0.3505E 00	0.3838E 00	0.4134E 00	0.4389E 00	0.4603E 00	0.4772E 00
19	0.4895E 00	0.4972E 00	0.5000E 00	0.4980E 00	0.4912E 00	0.4797E 00	0.4636E 00	0.4430E 00	0.4181E 00	0.3893E 00
20	0.3566E 00	0.3206E 00	0.2814E 00	0.2396E 00	0.1954E 00	0.1494E 00	0.1019E 00	0.5344E-01	0.4458E-02	-0.4456E-01
21	-0.9316E-01	-0.1409E 00	-0.1872E 00	-0.2317E 00	-0.2740E 00	-0.3137E 00	-0.3503E 00	-0.3836E 00	-0.4132E 00	-0.4388E 00
22	-0.4602E 00	-0.4771E 00	-0.4895E 00	-0.4971E 00	-0.5000E 00	-0.4980E 00	-0.4913E 00	-0.4798E 00	-0.4637E 00	-0.4431E 00
23	-0.4183E 00	-0.3894E 00	-0.3568E 00	-0.3208E 00	-0.2817E 00	-0.2398E 00	-0.1957E 00	-0.1497E 00	-0.1022E 00	-0.5373E-01
24	-0.4753E-02	0.4427E-01	0.9287E-01	0.1406E 00	0.1869E 00	0.2315E 00	0.2738E 00	0.3135E 00	0.3501E 00	0.3834E 00
25	0.4130E 00	0.4387E 00	0.4601E 00	0.4770E 00	0.4894E 00	0.4971E 00	0.5000E 00	0.4981E 00	0.4913E 00	0.4799E 00
26	0.4638E 00	0.4433E 00	0.4185E 00	0.3896E 00	0.3571E 00	0.3210E 00	0.2819E 00	0.2401E 00	0.1960E 00	0.1500E 00
27	0.1025E 00	0.5403E-01	0.5050E-02	-0.4397E-01	-0.9258E-01	-0.1403E 00	-0.1866E 00	-0.2312E 00	-0.2735E 00	-0.3132E 00
28	-0.3499E 00	-0.3832E 00	-0.4129E 00	-0.4385E 00	-0.4599E 00	-0.4769E 00	-0.4894E 00	-0.4971E 00	-0.5000E 00	-0.4981E 00
29	-0.4914E 00	-0.4800E 00	-0.4639E 00	-0.4434E 00	-0.4186E 00	-0.3898E 00	-0.3573E 00	-0.3213E 00	-0.2822E 00	-0.2404E 00
30	-0.1963E 00	-0.1502E 00	-0.1028E 00	-0.5432E-01	-0.5350E-02	0.4368E-01	0.9229E-01	0.1400E 00	0.1864E 00	0.2309E 00
31	0.2733E 00	0.3130E 00	0.3497E 00	0.3830E 00	0.4127E 00	0.4388E 00	0.4598E 00	0.4769E 00	0.4893E 00	0.4970E 00
32	0.5000E 00	0.4981E 00	0.4915E 00	0.4801E 00	0.4640E 00	0.4436E 00	0.4188E 00	0.3900E 00	0.3575E 00	0.3215E 00
33	0.2824E 00	0.2406E 00	0.1965E 00	0.1505E 00	0.1031E 00	0.5462E-01	0.5652E-02	-0.4338E-01	-0.9199E-01	-0.1397E 00
34	-0.1861E 00	-0.2307E 00	-0.2730E 00	-0.3128E 00	-0.3495E 00	-0.3828E 00	-0.4125E 00	-0.4382E 00	-0.4597E 00	-0.4769E 00
35	-0.4892E 00	-0.4970E 00	-0.5000E 00	-0.4981E 00	-0.4915E 00	-0.4801E 00	-0.4642E 00	-0.4437E 00	-0.4190E 00	-0.3902E 00
36	-0.3577E 00	-0.3217E 00	-0.2827E 00	-0.2409E 00	-0.1968E 00	-0.1508E 00	-0.1034E 00	-0.5493E-01	-0.5956E-02	0.3207E-01
37	0.9169E-01	0.1394E 00	0.1858E 00	0.2304E 00	0.2728E 00	0.3125E 00	0.3493E 00	0.3827E 00	0.4124E 00	0.4381E 00
38	0.4596E 00	0.4767E 00	0.4892E 00	0.4970E 00	0.5000E 00	0.4982E 00	0.4916E 00	0.4802E 00	0.4643E 00	0.4438E 00
39	0.4191E 00	0.3904E 00	0.3579E 00	0.3220E 00	0.2829E 00	0.2412E 00	0.1971E 00	0.1511E 00	0.1037E 00	0.5523E-01
40	0.6263E-02	-0.4277E-01	-0.9139E-01	-0.1391E 00	-0.1855E 00	-0.2301E 00	-0.2725E 00	-0.3123E 00	-0.3490E 00	-0.3825E 00
41	-0.4122E 00	-0.4379E 00	-0.4595E 00	-0.4766E 00	-0.4891E 00	-0.4969E 00	-0.5000E 00	-0.4982E 00	-0.4916E 00	-0.4803E 00
42	-0.4644E 00	-0.4440E 00	-0.4193E 00	-0.3906E 00	-0.3581E 00	-0.3222E 00	-0.2832E 00	-0.2414E 00	-0.1974E 00	-0.1514E 00
43	-0.1040E 00	-0.5554E-01	-0.6573E-02	0.4246E-01	0.9108E-01	0.1388E 00	0.1852E 00	0.2299E 00	0.2723E 00	0.3120E 00
44	0.3488E 00	0.3823E 00	0.4120E 00	0.4378E 00	0.4594E 00	0.4765E 00	0.4891E 00	0.4969E 00	0.5000E 00	0.4982E 00
45	0.4917E 00	0.4804E 00	0.4645E 00	0.4441E 00	0.4195E 00	0.3908E 00	0.3583E 00	0.3224E 00	0.2834E 00	0.2417E 00
46	0.1977E 00	0.1517E 00	0.1043E 00	0.5585E-01	0.6886E-02	-0.4215E-01	-0.9078E-01	-0.1385E 00	-0.1850E 00	-0.2296E 00
47	-0.2720E 00	-0.3118E 00	-0.3486E 00	-0.3821E 00	-0.4118E 00	-0.4376E 00	-0.4592E 00	-0.4764E 00	-0.4890E 00	-0.4969E 00
48	-0.5000E 00	-0.4983E 00	-0.4917E 00	-0.4805E 00	-0.4646E 00	-0.4443E 00	-0.4197E 00	-0.3910E 00	-0.3586E 00	-0.3227E 00
49	-0.2837E 00	-0.2420E 00	-0.1980E 00	-0.1520E 00	-0.1046E 00	-0.5617E-01	-0.7203E-02	0.4183E-01	0.9047E-01	0.1382E 00
50	0.1847E 00	0.2293E 00	0.2717E 00	0.3116E 00	0.3484E 00	0.3819E 00	0.4117E 00	0.4375E 00	0.4591E 00	0.4763E 00
51	0.4889E 00	0.4968E 00	0.5000E 00	0.4983E 00	0.4918E 00	0.4806E 00	0.4647E 00	0.4444E 00	0.4198E 00	0.3912E 00
52	0.3588E 00	0.3229E 00	0.2840E 00	0.2423E 00	0.1983E 00	0.1523E 00	0.1049E 00	0.5648E-01	0.7522E-02	-0.4151E-01
53	-0.9015E-01	-0.1379E 00	-0.1844E 00	-0.2290E 00	-0.2715E 00	-0.3113E 00	-0.3482E 00	-0.3817E 00	-0.4115E 00	-0.4373E 00
54	-0.4590E 00	-0.4762E 00	-0.4889E 00	-0.4968E 00	-0.5000E 00	-0.4983E 00	-0.4919E 00	-0.4807E 00	-0.4649E 00	-0.4446E 00
55	-0.4200E 00	-0.3914E 00	-0.3590E 00	-0.3232E 00	-0.2842E 00	-0.2426E 00	-0.1986E 00	-0.1526E 00	-0.1052E 00	-0.5681E-01
56	-0.7846E-02	0.4119E-01	0.8983E-01	0.1376E 00	0.1841E 00	0.2287E 00	0.2712E 00	0.3111E 00	0.3479E 00	0.3814E 00
57	0.4113E 00	0.4372E 00	0.4589E 00	0.4761E 00	0.4888E 00	0.4968E 00	0.5000E 00	0.4984E 00	0.4919E 00	0.4808E 00
58	0.4650E 00	0.4447E 00	0.4202E 00	0.3916E 00	0.3593E 00	0.3234E 00	0.2845E 00	0.2429E 00	0.1989E 00	0.1529E 00
59	0.1055E 00	0.5713E-01	0.8174E-02	-0.4086E-01	-0.8951E-01	-0.1373E 00	-0.1838E 00	-0.2284E 00	-0.2709E 00	-0.3109E 00
60	-0.3477E 00	-0.3812E 00	-0.4111E 00	-0.4370E 00	-0.4587E 00	-0.4760E 00	-0.4887E 00	-0.4967E 00	-0.5000E 00	-0.4984E 00

61	-0.4920E 00	-0.4809E 00	-0.4651E 00	-0.4449E 00	-0.4204E 00	-0.3918E 00	-0.3595E 00	-0.3237E 00	-0.2848E 00	-0.2431E 00
62	-0.1992E 00	-0.1533E 00	-0.1059E 00	-0.5746E-01	-0.8506E-02	0.4053E-01	0.8919E-01	0.1370E 00	0.1835E 00	0.2282E 00
63	0.2707E 00	0.3105E 00	0.3475E 00	0.3810E 00	0.4109E 00	0.4369E 00	0.4586E 00	0.4759E 00	0.4887E 00	0.4967E 00
64	0.5000E 00	0.4984E 00	0.4921E 00	0.4810E 00	0.4653E 00	0.4450E 00	0.4206E 00	0.3920E 00	0.3597E 00	0.3240E 00
65	0.2851E 00	0.2434E 00	0.1995E 00	0.1536E 00	0.1062E 00	0.5780E-01	0.8843E-02	-0.4020E-01	-0.8885E-01	-0.1367E 00
66	-0.1831E 00	-0.2279E 00	-0.2704E 00	-0.3103E 00	-0.3472E 00	-0.3808E 00	-0.4107E 00	-0.4367E 00	-0.4585E 00	-0.4758E 00
67	-0.4886E 00	-0.4967E 00	-0.5000E 00	-0.4984E 00	-0.4921E 00	-0.4811E 00	-0.4654E 00	-0.4452E 00	-0.4208E 00	-0.3927E 00
68	-0.3600E 00	-0.3242E 00	-0.2854E 00	-0.2438E 00	-0.1998E 00	-0.1539E 00	-0.1065E 00	-0.5814E-01	-0.9184E-02	0.3986E-01
69	0.8852E-01	0.1363E 00	0.1828E 00	0.2276E 00	0.2701E 00	0.3100E 00	0.3470E 00	0.3806E 00	0.4105E 00	0.4366E 00
70	0.4583E 00	0.4757E 00	0.4885E 00	0.4966E 00	0.5000E 00	0.4985E 00	0.4922E 00	0.4812E 00	0.4655E 00	0.4454E 00
71	0.4209E 00	0.3925E 00	0.3602E 00	0.3245E 00	0.2856E 00	0.2441E 00	0.2001E 00	0.1542E 00	0.1069E 00	0.5848E-01
72	0.9532E-02	-0.3951E-01	-0.8818E-01	-0.1360E 00	-0.1825E 00	-0.2272E 00	-0.2698E 00	-0.3098E 00	-0.3467E 00	-0.3804E 00
73	-0.4104E 00	-0.4364E 00	-0.4582E 00	-0.4756E 00	-0.4885E 00	-0.4966E 00	-0.5000E 00	-0.4985E 00	-0.4923E 00	-0.4813E 00
74	-0.4656E 00	-0.4855E 00	-0.4211E 00	-0.3927E 00	-0.3605E 00	-0.3248E 00	-0.2859E 00	-0.2444E 00	-0.2004E 00	-0.1546E 00
75	-0.1072E 00	-0.5883E-01	-0.9885E-02	0.3916E-01	0.8783E-01	0.1357E 00	0.1822E 00	0.2269E 00	0.2695E 00	0.3095E 00
76	0.3465E 00	0.3801E 00	0.4102E 00	0.4362E 00	0.4581E 00	0.4755E 00	0.4884E 00	0.4966E 00	0.5000E 00	0.4985E 00
77	0.4923E 00	0.4814E 00	0.4658E 00	0.4457E 00	0.4213E 00	0.3929E 00	0.3607E 00	0.3250E 00	0.2862E 00	0.2447E 00
78	0.2008E 00	0.1549E 00	0.1076E 00	0.5919E-01	0.1024E-01	-0.3880E-01	-0.8748E-01	-0.1353E 00	-0.1818E 00	-0.2266E 00
79	-0.2692E 00	-0.3092E 00	-0.3462E 00	-0.3799E 00	-0.4100E 00	-0.4360E 00	-0.4579E 00	-0.4754E 00	-0.4883E 00	-0.4965E 00
80	-0.5000E 00	-0.4986E 00	-0.4924E 00	-0.4815E 00	-0.4659E 00	-0.4459E 00	-0.4215E 00	-0.3931E 00	-0.3610E 00	-0.3253E 00
81	-0.2865E 00	-0.2450E 00	-0.2011E 00	-0.1553E 00	-0.1079E 00	-0.5955E-01	-0.1061E-01	0.3844E-01	0.8712E-01	0.1350E 00
82	0.1815E 00	0.2263E 00	0.2689E 00	0.3089E 00	0.3460E 00	0.3797E 00	0.4097E 00	0.4359E 00	0.4578E 00	0.4753E 00
83	0.4883E 00	0.4965E 00	0.5000E 00	0.4986E 00	0.4925E 00	0.4816E 00	0.4661E 00	0.4460E 00	0.4217E 00	0.3934E 00
84	0.3612E 00	0.3256E 00	0.2869E 00	0.2453E 00	0.2015E 00	0.1556E 00	0.1083E 00	0.5993E-01	0.1098E-01	-0.3806E-01
85	-0.8675E-01	-0.1346E 00	-0.1812E 00	-0.2260E 00	-0.2686E 00	-0.3086E 00	-0.3457E 00	-0.3794E 00	-0.4095E 00	-0.4357E 00
86	-0.4576E 00	-0.4752E 00	-0.4882E 00	-0.4965E 00	-0.5000E 00	-0.4987E 00	-0.4925E 00	-0.4817E 00	-0.4662E 00	-0.4462E 00
87	-0.4220E 00	-0.3936E 00	-0.3615E 00	-0.3259E 00	-0.2872E 00	-0.2457E 00	-0.2018E 00	-0.1560E 00	-0.1087E 00	-0.6031E-01
88	-0.1137E-01	0.3768E-01	0.8637E-01	0.1342E 00	0.1808E 00	0.2256E 00	0.2683E 00	0.3083E 00	0.3454E 00	0.3792E 00
89	0.4093E 00	0.4355E 00	0.4575E 00	0.4751E 00	0.4881E 00	0.4964E 00	0.5000E 00	0.4987E 00	0.4926E 00	0.4818E 00
90	0.4663E 00	0.4464E 00	0.4222E 00	0.3939E 00	0.3618E 00	0.3262E 00	0.2875E 00	0.2460E 00	0.2022E 00	0.1564E 00
91	0.1091E 00	0.6070E-01	0.1176E-01	-0.3729E-01	-0.8599E-01	-0.1339E 00	-0.1804E 00	-0.2253E 00	-0.2679E 00	-0.3080E 00
92	-0.3451E 00	-0.3789E 00	-0.4091E 00	-0.4353E 00	-0.4573E 00	-0.4750E 00	-0.4880E 00	-0.4964E 00	-0.5000E 00	-0.4987E 00
93	-0.4927E 00	-0.4819E 00	-0.4665E 00	-0.4466E 00	-0.4224E 00	-0.3941E 00	-0.3621E 00	-0.3265E 00	-0.2878E 00	-0.2464E 00
94	-0.2025E 00	-0.1567E 00	-0.1094E 00	-0.6109E-01	-0.1216E-01	-0.3689E-01	-0.8559E-01	0.1335E 00	0.1801E 00	0.2240E 00
95	0.2676E 00	0.3077E 00	0.3449E 00	0.3787E 00	0.4089E 00	0.4351E 00	0.4572E 00	0.4749E 00	0.4879E 00	0.4963E 00
96	0.5000E 00	0.4988E 00	0.4928E 00	0.4820E 00	0.4667E 00	0.4468E 00	0.4226E 00	0.3944E 00	0.3623E 00	0.3268E 00
97	0.2882E 00	0.2467E 00	0.2029E 00	0.1571E 00	0.1098E 00	0.6150E-01	0.1257E-01	-0.3648E-01	-0.8519E-01	-0.1231E 00
98	-0.1797E 00	-0.2246E 00	-0.2673E 00	-0.3074E 00	-0.3446E 00	-0.3784E 00	-0.4086E 00	-0.4349E 00	-0.4570E 00	-0.4747E 00
99	-0.4879E 00	-0.4963E 00	-0.5000E 00	-0.4988E 00	-0.4928E 00	-0.4822E 00	-0.4668E 00	-0.4470E 00	-0.4228E 00	-0.3946E 00
100	-0.3626E 00	-0.3272E 00	-0.2885E 00	-0.2471E 00	-0.2033E 00	-0.1575E 00	-0.1103E 00	-0.6193E-01	-0.1300E-01	0.3606E-01
101	0.8477E-01	0.1327E 00	0.1793E 00	0.2242E 00	0.2669E 00	0.3071E 00	0.3443E 00	0.3782E 00	0.4084E 00	0.4347E 00
102	0.4569E 00	0.4746E 00	0.4878E 00	0.4963E 00	0.5000E 00	0.4988E 00	0.4929E 00	0.4823E 00	0.4670E 00	0.4472E 00
103	0.4231E 00	0.3949E 00	0.3630E 00	0.3275E 00	0.2889E 00	0.2475E 00	0.2037E 00	0.1580E 00	0.1107E 00	0.6236E-01
104	0.1343E-01	-0.3562E-01	-0.8434E-01	-0.1322E 00	-0.1789E 00	-0.2238E 00	-0.2665E 00	-0.3067E 00	-0.3440E 00	-0.3779E 00
105	-0.4082E 00	-0.4345E 00	-0.4567E 00	-0.4745E 00	-0.4877E 00	-0.4962E 00	-0.5000E 00	-0.4989E 00	-0.4930E 00	-0.4824E 00
106	-0.4671E 00	-0.4474E 00	-0.4233E 00	-0.3952E 00	-0.3633E 00	-0.3278E 00	-0.2893E 00	-0.2479E 00	-0.2041E 00	-0.1584E 00
107	-0.1111E 00	-0.6281E-01	-0.1389E-01	0.3517E-01	0.8389E-01	0.1318E 00	0.1785E 00	0.2234E 00	0.2662E 00	0.3064E 00
108	0.3436E 00	0.3776E 00	0.4079E 00	0.4343E 00	0.4565E 00	0.4743E 00	0.4876E 00	0.4962E 00	0.5000E 00	0.4989E 00
109	0.4931E 00	0.4825E 00	0.4673E 00	0.4476E 00	0.4236E 00	0.3955E 00	0.3636E 00	0.3282E 00	0.2896E 00	0.2483E 00
110	0.2045E 00	0.1588E 00	0.1116E 00	0.6328E-01	0.1436E-01	-0.3470E-01	-0.8343E-01	-0.1314E 00	-0.1780E 00	-0.2230E 00
111	-0.2658E 00	-0.3060E 00	-0.3433E 00	-0.3773E 00	-0.4076E 00	-0.4341E 00	-0.4563E 00	-0.4742E 00	-0.4875E 00	-0.4961E 00
112	-0.5000E 00	-0.4990E 00	-0.4932E 00	-0.4827E 00	-0.4675E 00	-0.4478E 00	-0.4239E 00	-0.3958E 00	-0.3639E 00	-0.3286E 00
113	-0.2900E 00	-0.2487E 00	-0.2050E 00	-0.1593E 00	-0.1121E 00	-0.6376E-01	-0.1484E-01	0.3422E-01	0.8295E-01	0.1309E 00
114	0.1776E 00	0.2225E 00	0.2654E 00	0.3056E 00	0.3430E 00	0.3770E 00	0.4074E 00	0.4338E 00	0.4561E 00	0.4741E 00
115	0.4874E 00	0.4961E 00	0.5000E 00	0.4990E 00	0.4933E 00	0.4828E 00	0.4677E 00	0.4481E 00	0.4241E 00	0.3961E 00
116	0.3643E 00	0.3290E 00	0.2905E 00	0.2492E 00	0.2055E 00	0.1598E 00	0.1126E 00	0.6427E-01	0.1535E-01	-0.2271E-01
117	-0.8245E-01	-0.1304E 00	-0.1771E 00	-0.2221E 00	-0.2649E 00	-0.3052E 00	-0.3426E 00	-0.3766E 00	-0.4071E 00	-0.4336E 00
118	-0.4559E 00	-0.4739E 00	-0.4873E 00	-0.4960E 00	-0.5000E 00	-0.4991E 00	-0.4934E 00	-0.4830E 00	-0.4679E 00	-0.4483E 00
119	-0.4244E 00	-0.3965E 00	-0.3647E 00	-0.3294E 00	-0.2909E 00	-0.2496E 00	-0.2059E 00	-0.1603E 00	-0.1131E 00	-0.6480E-01
120	-0.1589E-01	0.3318E-01	0.8192E-01	0.1299E 00	0.1766E 00	0.2216E 00	0.2645E 00	0.3048E 00	0.3422E 00	0.3763E 00

121	0.4068E 00	0.4333E 00	0.4557E 00	0.4737E 00	0.4872E 00	0.4960E 00	0.4999E 00	0.4991E 00	0.4935E 00	0.4831E 00
122	0.4681E 00	0.4486E 00	0.4247E 00	0.3968E 00	0.3651E 00	0.3298E 00	0.2914E 00	0.2501E 00	0.2065E 00	0.1608E 00
123	0.1136E 00	0.6535E-01	0.1645E-01	-0.3262E-01	-0.8137E-01	-0.1293E 00	-0.1761E 00	-0.2211E 00	-0.2640E 00	-0.3044E 00
124	-0.3418E 00	-0.3759E 00	-0.4065E 00	-0.4331E 00	-0.4555E 00	-0.4736E 00	-0.4871E 00	-0.4959E 00	-0.4999E 00	-0.4992E 00
125	-0.4936E 00	-0.4833E 00	-0.4683E 00	-0.4489E 00	-0.4251E 00	-0.3972E 00	-0.3655E 00	-0.3302E 00	-0.2918E 00	-0.2506E 00
126	-0.2070E 00	-0.1614E 00	-0.1142E 00	-0.6594E-01	-0.1704E-01	0.3203E-01	0.8079E-01	0.1288E 00	0.1755E 00	0.2206E 00
127	0.2635E 00	0.3039E 00	0.3414E 00	0.3756E 00	0.4061E 00	0.4328E 00	0.4553E 00	0.4734E 00	0.4870E 00	0.4958E 00
128	0.4999E 00									

IDPLOT = 00001 RANGE WARNING

EXECUTION OF THE PROGRAM P2.

NUMBER OF CHANNELS ON THE ORIGINAL TAPE:	16
NUMBER OF BLOCKS TO BE COMPUTED:	30
NUMBER OF CORR. COEFF. PER COMBINATION:	1281

COMBINATION TO BE COMPUTED.
FIRST CHANNEL : 8
SECOND CHANNEL: 8
DURATION IN SEC.: 38.558182

CORRELATION COEFFICIENTS FOR CHANNELS 8 AND 8

	0	1	2	3	4	5	6	7	8	9
0	0.4998E 00	0.4972E 00	0.4897E 00	0.4776E 00	0.4608E 00	0.4396E 00	0.4147E 00	0.3847E 00	0.3516E 00	0.3154E 00
1	0.2755E 00	0.2333E 00	0.1889E 00	0.1427E 00	0.9502E-01	0.4646E-01	-0.2547E-02	-0.5152E-01	-0.1000E 00	-0.1478E 00
2	-0.1936E 00	-0.2378E 00	-0.2798E 00	-0.3190E 00	-0.3552E 00	-0.3880E 00	-0.4170E 00	-0.4420E 00	-0.4627E 00	-0.4790E 00
3	-0.4907E 00	-0.4977E 00	-0.4998E 00	-0.4972E 00	-0.4898E 00	-0.4776E 00	-0.4609E 00	-0.4397E 00	-0.4142E 00	-0.3848E 00
4	-0.3517E 00	-0.3152E 00	-0.2757E 00	-0.2335E 00	-0.1891E 00	-0.1428E 00	-0.9519E-01	-0.4663E-01	0.2369E-02	0.5135E-01
5	0.9984E-01	0.1474E 00	0.1934E 00	0.2377E 00	0.2796E 00	0.3189E 00	0.3551E 00	0.3878E 00	0.4169E 00	0.4410E 00
6	0.4627E 00	0.4790E 00	0.4907E 00	0.4977E 00	0.4998E 00	0.4972E 00	0.4898E 00	0.4776E 00	0.4609E 00	0.4397E 00
7	0.4143E 00	0.3850E 00	0.3518E 00	0.3154E 00	0.2758E 00	0.2337E 00	0.1892E 00	0.1430E 00	0.9537E-01	0.4681E-01
8	-0.2189E-02	-0.5117E-01	-0.9966E-01	-0.1472E 00	-0.1933E 00	-0.2375E 00	-0.2795E 00	-0.3187E 00	-0.3549E 00	-0.3877E 00
9	-0.4168E 00	-0.4418E 00	-0.4626E 00	-0.4789E 00	-0.4906E 00	-0.4976E 00	-0.4998E 00	-0.4972E 00	-0.4898E 00	-0.4777E 00
10	-0.4610E 00	-0.4398E 00	-0.4144E 00	-0.3851E 00	-0.3520E 00	-0.3155E 00	-0.2760E 00	-0.2338E 00	-0.1894E 00	-0.1432E 00
11	-0.9554E-01	-0.4699E-01	0.2008E-02	0.5099E-01	0.9948E-01	0.1470E 00	0.1931E 00	0.2374E 00	0.2793E 00	0.3186E 00
12	0.3548E 00	0.3876E 00	0.4167E 00	0.4417E 00	0.4625E 00	0.4789E 00	0.4906E 00	0.4976E 00	0.4998E 00	0.4977E 00
13	0.4899E 00	0.4778E 00	0.4611E 00	0.4399E 00	0.4145E 00	0.3852E 00	0.3521E 00	0.3156E 00	0.2761E 00	0.2340E 00
14	0.1896E 00	0.1434E 00	0.9572E-01	0.4717E-01	-0.1824E-02	-0.5080E-01	-0.9930E-01	-0.1468E 00	-0.1929E 00	-0.2372E 00
15	-0.2792E 00	-0.3185E 00	-0.3547E 00	-0.3875E 00	-0.4166E 00	-0.4416E 00	-0.4625E 00	-0.4788E 00	-0.4906E 00	-0.4976E 00
16	-0.4998E 00	-0.4973E 00	-0.4899E 00	-0.4778E 00	-0.4611E 00	-0.4400E 00	-0.4147E 00	-0.3853E 00	-0.3522E 00	-0.3155E 00
17	-0.2763E 00	-0.2341E 00	-0.1897E 00	-0.1435E 00	-0.9591E-01	-0.4736E-01	0.1638E-02	0.5062E-01	0.9912E-01	0.1467E 00
18	0.1928E 00	0.2370E 00	0.2790E 00	0.3183E 00	0.3546E 00	0.3874E 00	0.4165E 00	0.4416E 00	0.4624E 00	0.4788E 00
19	0.4905E 00	0.4976E 00	0.4998E 00	0.4973E 00	0.4899E 00	0.4779E 00	0.4612E 00	0.4401E 00	0.4148E 00	0.3854E 00
20	0.3524E 00	0.3159E 00	0.2764E 00	0.2343E 00	0.1899E 00	0.1437E 00	0.9609E-01	0.4754E-01	-0.1454E-02	-0.5044E-01
21	-0.9894E-01	-0.1465E 00	-0.1926E 00	-0.2369E 00	-0.2789E 00	-0.3182E 00	-0.3544E 00	-0.3873E 00	-0.4164E 00	-0.4415E 00
22	-0.4623E 00	-0.4787E 00	-0.4905E 00	-0.4976E 00	-0.4998E 00	-0.4973E 00	-0.4900E 00	-0.4779E 00	-0.4613E 00	-0.4402E 00
23	-0.4149E 00	-0.3855E 00	-0.3525E 00	-0.3161E 00	-0.2766E 00	-0.2345E 00	-0.1901E 00	-0.1439E 00	-0.9627E-01	-0.4772E-01
24	0.1272E-02	0.5026E-01	0.9876E-01	0.1463E 00	0.1924E 00	0.2367E 00	0.2787E 00	0.3180E 00	0.3543E 00	0.3871E 00
25	0.4163E 00	0.4414E 00	0.4622E 00	0.4787E 00	0.4905E 00	0.4976E 00	0.4998E 00	0.4973E 00	0.4900E 00	0.4780E 00
26	0.4613E 00	0.4403E 00	0.4150E 00	0.3856E 00	0.3526E 00	0.3162E 00	0.2768E 00	0.2346E 00	0.1903E 00	0.1441E 00
27	0.9644E-01	0.4790E-01	-0.1092E-02	-0.5008E-01	-0.9858E-01	-0.1461E 00	-0.1923E 00	-0.2366E 00	-0.2786E 00	-0.3170E 00
28	-0.3542E 00	-0.3870E 00	-0.4162E 00	-0.4413E 00	-0.4622E 00	-0.4786E 00	-0.4904E 00	-0.4975E 00	-0.4998E 00	-0.4973E 00
29	-0.4900E 00	-0.4780E 00	-0.4614E 00	-0.4404E 00	-0.4151E 00	-0.3858E 00	-0.3528E 00	-0.3163E 00	-0.2769E 00	-0.2348E 00
30	-0.1904E 00	-0.1442E 00	-0.9662E-01	-0.4808E-01	0.9141E-03	0.4990E-01	0.9841E-01	0.1460E 00	0.1921E 00	0.2364E 00
31	0.2784E 00	0.3178E 00	0.3540E 00	0.3869E 00	0.4161E 00	0.4412E 00	0.4621E 00	0.4786E 00	0.4904E 00	0.4975E 00
32	0.4998E 00	0.4973E 00	0.4901E 00	0.4781E 00	0.4615E 00	0.4404E 00	0.4152E 00	0.3859E 00	0.3529E 00	0.3165E 00
33	0.2770E 00	0.2349E 00	0.1906E 00	0.1444E 00	0.9679E-01	0.4825E-01	-0.7390E-03	-0.4973E-01	-0.9874E-01	-0.1458E 00
34	-0.1920E 00	-0.2362E 00	-0.2783E 00	-0.3176E 00	-0.3539E 00	-0.3868E 00	-0.4160E 00	-0.4411E 00	-0.4620E 00	-0.4785E 00
35	-0.4904E 00	-0.4975E 00	-0.4998E 00	-0.4974E 00	-0.4901E 00	-0.4781E 00	-0.4615E 00	-0.4405E 00	-0.4152E 00	-0.3860E 00
36	-0.3530E 00	-0.3166E 00	-0.2772E 00	-0.2351E 00	-0.1907E 00	-0.1446E 00	-0.9696E-01	-0.4843E-01	0.5665E-03	0.4955E-01
37	0.9807E-01	0.1456E 00	0.1918E 00	0.2361E 00	0.2781E 00	0.3175E 00	0.3538E 00	0.3867E 00	0.4159E 00	0.4411E 00
38	0.4620E 00	0.4785E 00	0.4903E 00	0.4975E 00	0.4998E 00	0.4974E 00	0.4901E 00	0.4782E 00	0.4616E 00	0.4406E 00
39	0.4153E 00	0.3861E 00	0.3531E 00	0.3168E 00	0.2773E 00	0.2352E 00	0.1909E 00	0.1447E 00	0.9712E-01	0.4859E-01
40	-0.3968E-03	-0.4938E-01	-0.9790E-01	-0.1455E 00	-0.1916E 00	-0.2359E 00	-0.2780E 00	-0.3174E 00	-0.3537E 00	-0.3866E 00
41	-0.4158E 00	-0.4410E 00	-0.4619E 00	-0.4784E 00	-0.4903E 00	-0.4975E 00	-0.4998E 00	-0.4974E 00	-0.4902E 00	-0.4787E 00
42	-0.4617E 00	-0.4407E 00	-0.4154E 00	-0.3862E 00	-0.3532E 00	-0.3169E 00	-0.2775E 00	-0.2354E 00	-0.1911E 00	-0.1449E 00
43	-0.9729E-01	-0.4876E-01	0.2301E-03	0.4922E-01	0.9774E-01	0.1453E 00	0.1915E 00	0.2358E 00	0.2779E 00	0.3172E 00
44	0.3536E 00	0.3865E 00	0.4157E 00	0.4409E 00	0.4618E 00	0.4784E 00	0.4903E 00	0.4974E 00	0.4998E 00	0.4973E 00
45	0.4902E 00	0.4783E 00	0.4617E 00	0.4408E 00	0.4155E 00	0.3863E 00	0.3534E 00	0.3170E 00	0.2776E 00	0.2355E 00
46	0.1912E 00	0.1450E 00	0.9745E-01	0.4892E-01	-0.6667E-04	-0.4906E-01	-0.9758E-01	-0.1452E 00	-0.1913E 00	-0.2357E 00
47	-0.2777E 00	-0.3171E 00	-0.3534E 00	-0.3864E 00	-0.4156E 00	-0.4408E 00	-0.4618E 00	-0.4783E 00	-0.4902E 00	-0.4974E 00
48	-0.4998E 00	-0.4974E 00	-0.4902E 00	-0.4783E 00	-0.4618E 00	-0.4408E 00	-0.4156E 00	-0.3864E 00	-0.3535E 00	-0.3171E 00
49	-0.2777E 00	-0.2357E 00	-0.1914E 00	-0.1452E 00	-0.9760E-01	-0.4908E-01	-0.9338E-04	0.4890E-01	0.9742E-01	0.1450E 00
50	0.1912E 00	0.2355E 00	0.2776E 00	0.3170E 00	0.3533E 00	0.3863E 00	0.4155E 00	0.4407E 00	0.4617E 00	0.4783E 00
51	0.4902E 00	0.4974E 00	0.4998E 00	0.4974E 00	0.4903E 00	0.4784E 00	0.4619E 00	0.4409E 00	0.4157E 00	0.3865E 00
52	0.3536E 00	0.3173E 00	0.2779E 00	0.2358E 00	0.1915E 00	0.1453E 00	0.9776E-01	0.4924E-01	0.2497E-03	-0.4874E-01
53	-0.9727E-01	-0.1449E 00	-0.1910E 00	-0.2354E 00	-0.2775E 00	-0.3169E 00	-0.3532E 00	-0.3962E 00	-0.4154E 00	-0.4407E 00
54	-0.4617E 00	-0.4782E 00	-0.4902E 00	-0.4974E 00	-0.4998E 00	-0.4975E 00	-0.4903E 00	-0.4784E 00	-0.4619E 00	-0.4410E 00
55	-0.4158E 00	-0.3866E 00	-0.3537E 00	-0.3174E 00	-0.2780E 00	-0.2360E 00	-0.1917E 00	-0.1455E 00	-0.9791E-01	-0.4939E-01
56	-0.4022E-03	0.4859E-01	0.9712E-01	0.1447E 00	0.1909E 00	0.2353E 00	0.2773E 00	0.3168E 00	0.3531E 00	0.3861E 00
57	0.4153E 00	0.4406E 00	0.4616E 00	0.4782E 00	0.4901E 00	0.4974E 00	0.4998E 00	0.4975E 00	0.4903E 00	0.4785E 00
58	0.4620E 00	0.4410E 00	0.4159E 00	0.3867E 00	0.3538E 00	0.3175E 00	0.2781E 00	0.2361E 00	0.1918E 00	0.1456E 00
59	0.9805E-01	0.4954E-01	0.5504E-03	-0.4844E-01	-0.9697E-01	-0.1446E 00	-0.1908E 00	-0.2351E 00	-0.2772E 00	-0.3166E 00
60	-0.3530E 00	-0.3860E 00	-0.4153E 00	-0.4405E 00	-0.4616E 00	-0.4781E 00	-0.4901E 00	-0.4974E 00	-0.4998E 00	-0.4975E 00

61	-0.4903E 00	-0.4785E 00	-0.4620E 00	-0.4411E 00	-0.4160E 00	-0.3868E 00	-0.3539E 00	-0.3176E 00	-0.2783E 00	-0.2362E 00
62	-0.1919E 00	-0.1458E 00	-0.9819E-01	-0.4968E-01	-0.6942E-03	0.4830E-01	0.9683E-01	0.1444E 00	0.1906E 00	0.2250E 00
63	0.2771E 00	0.3165E 00	0.3529E 00	0.3859E 00	0.4152E 00	0.4405E 00	0.4615E 00	0.4781E 00	0.4901E 00	0.4973E 00
64	0.4998E 00	0.4975E 00	0.4904E 00	0.4785E 00	0.4621E 00	0.4412E 00	0.4160E 00	0.3869E 00	0.3540E 00	0.3177E 00
65	0.2784E 00	0.2363E 00	0.1921E 00	0.1459E 00	0.9833E-01	0.4982E-01	0.8331E-03	-0.4816E-01	-0.9669E-01	-0.1443E 00
66	-0.1905E 00	-0.2349E 00	-0.2770E 00	-0.3164E 00	-0.3528E 00	-0.3858E 00	-0.4151E 00	-0.4404E 00	-0.4614E 00	-0.4781E 00
67	-0.4901E 00	-0.4973E 00	-0.4998E 00	-0.4975E 00	-0.4904E 00	-0.4785E 00	-0.4621E 00	-0.4412E 00	-0.4161E 00	-0.3970E 00
68	-0.3541E 00	-0.3178E 00	-0.2785E 00	-0.2365E 00	-0.1922E 00	-0.1460E 00	-0.9846E-01	-0.4995E-01	-0.9667E-03	0.4903E-01
69	0.9656E-01	0.1442E 00	0.1904E 00	0.2348E 00	0.2769E 00	0.3163E 00	0.3527E 00	0.3857E 00	0.4150E 00	0.4403E 00
70	0.4614E 00	0.4780E 00	0.4900E 00	0.4973E 00	0.4998E 00	0.4975E 00	0.4904E 00	0.4786E 00	0.4622E 00	0.4413E 00
71	0.4162E 00	0.3870E 00	0.3542E 00	0.3179E 00	0.2786E 00	0.2366E 00	0.1923E 00	0.1461E 00	0.9859E-01	0.5009E-01
72	0.1095E-02	-0.4790E-01	-0.9644E-01	-0.1440E 00	-0.1903E 00	-0.2347E 00	-0.2768E 00	-0.3162E 00	-0.3526E 00	-0.3857E 00
73	-0.4150E 00	-0.4403E 00	-0.4613E 00	-0.4780E 00	-0.4900E 00	-0.4973E 00	-0.4998E 00	-0.4975E 00	-0.4904E 00	-0.4786E 00
74	-0.4622E 00	-0.4414E 00	-0.4162E 00	-0.3871E 00	-0.3543E 00	-0.3180E 00	-0.2787E 00	-0.2367E 00	-0.1924E 00	-0.1463E 00
75	-0.9871E-01	-0.5020E-01	-0.1217E-02	0.4778E-01	0.9632E-01	0.1439E 00	0.1902E 00	0.2345E 00	0.2767E 00	0.3161E 00
76	0.3526E 00	0.3856E 00	0.4149E 00	0.4402E 00	0.4613E 00	0.4779E 00	0.4900E 00	0.4973E 00	0.4998E 00	0.4975E 00
77	0.4905E 00	0.4787E 00	0.4623E 00	0.4414E 00	0.4163E 00	0.3872E 00	0.3544E 00	0.3181E 00	0.2788E 00	0.2368E 00
78	0.1925E 00	0.1464E 00	0.9882E-01	0.5032E-01	0.1332E-02	-0.4766E-01	-0.9621E-01	-0.1438E 00	-0.1901E 00	-0.2344E 00
79	-0.2766E 00	-0.3160E 00	-0.3525E 00	-0.3855E 00	-0.4148E 00	-0.4402E 00	-0.4613E 00	-0.4779E 00	-0.4900E 00	-0.4973E 00
80	-0.4998E 00	-0.4976E 00	-0.4905E 00	-0.4787E 00	-0.4623E 00	-0.4415E 00	-0.4164E 00	-0.3873E 00	-0.3544E 00	-0.3182E 00
81	-0.2789E 00	-0.2369E 00	-0.1926E 00	-0.1465E 00	-0.9892E-01	-0.5042E-01	-0.1440E-02	0.4756E-01	0.9610E-01	0.1437E 00
82	0.1900E 00	0.2344E 00	0.2765E 00	0.3160E 00	0.3524E 00	0.3854E 00	0.4148E 00	0.4401E 00	0.4612E 00	0.4786E 00
83	0.4899E 00	0.4973E 00	0.4998E 00	0.4976E 00	0.4905E 00	0.4787E 00	0.4624E 00	0.4415E 00	0.4164E 00	0.3973E 00
84	0.3545E 00	0.3183E 00	0.2790E 00	0.2370E 00	0.1927E 00	0.1466E 00	0.9902E-01	0.5052E-01	0.1540E-02	-0.4746E-01
85	-0.9600E-01	-0.1436E 00	-0.1899E 00	-0.2343E 00	-0.2764E 00	-0.3159E 00	-0.3523E 00	-0.3854E 00	-0.4147E 00	-0.4401E 00
86	-0.4612E 00	-0.4778E 00	-0.4899E 00	-0.4973E 00	-0.4998E 00	-0.4976E 00	-0.4905E 00	-0.4788E 00	-0.4624E 00	-0.4416E 00
87	-0.4165E 00	-0.3874E 00	-0.3546E 00	-0.3183E 00	-0.2790E 00	-0.2371E 00	-0.1928E 00	-0.1467E 00	-0.9911E-01	-0.5061E-01
88	-0.1632E-02	0.4737E-01	0.9591E-01	0.1435E 00	0.1898E 00	0.2342E 00	0.2763E 00	0.3158E 00	0.3523E 00	0.3853E 00
89	0.4147E 00	0.4400E 00	0.4611E 00	0.4778E 00	0.4899E 00	0.4972E 00	0.4998E 00	0.4976E 00	0.4905E 00	0.4788E 00
90	0.4624E 00	0.4416E 00	0.4165E 00	0.3874E 00	0.3546E 00	0.3184E 00	0.2791E 00	0.2371E 00	0.1929E 00	0.1467E 00
91	0.9919E-01	0.5070E-01	0.1714E-02	-0.4728E-01	-0.9583E-01	-0.1435E 00	-0.1897E 00	-0.2341E 00	-0.2763E 00	-0.3158E 00
92	-0.3522E 00	-0.3853E 00	-0.4146E 00	-0.4400E 00	-0.4611E 00	-0.4778E 00	-0.4899E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00
93	-0.4906E 00	-0.4788E 00	-0.4624E 00	-0.4416E 00	-0.4166E 00	-0.3875E 00	-0.3547E 00	-0.3185E 00	-0.2792E 00	-0.2372E 00
94	-0.1929E 00	-0.1468E 00	-0.9926E-01	-0.5077E-01	-0.1786E-02	0.4721E-01	0.9576E-01	0.1434E 00	0.1896E 00	0.2341E 00
95	0.2762E 00	0.3157E 00	0.3522E 00	0.3852E 00	0.4146E 00	0.4399E 00	0.4611E 00	0.4778E 00	0.4899E 00	0.4972E 00
96	0.4998E 00	0.4976E 00	0.4906E 00	0.4788E 00	0.4625E 00	0.4417E 00	0.4166E 00	0.3875E 00	0.3547E 00	0.3185E 00
97	0.2792E 00	0.2373E 00	0.1930E 00	0.1469E 00	0.9932E-01	0.5083E-01	0.1846E-02	-0.4715E-01	-0.9570E-01	-0.1433E 00
98	-0.1896E 00	-0.2340E 00	-0.2762E 00	-0.3157E 00	-0.3521E 00	-0.3852E 00	-0.4146E 00	-0.4399E 00	-0.4611E 00	-0.4778E 00
99	-0.4899E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00	-0.4906E 00	-0.4788E 00	-0.4625E 00	-0.4417E 00	-0.4166E 00	-0.3876E 00
100	-0.3548E 00	-0.3186E 00	-0.2793E 00	-0.2373E 00	-0.1930E 00	-0.1469E 00	-0.9937E-01	-0.5088E-01	-0.1894E-02	-0.4711E-01
101	0.9565E-01	0.1433E 00	0.1895E 00	0.2340E 00	0.2761E 00	0.3156E 00	0.3521E 00	0.3852E 00	0.4145E 00	0.4399E 00
102	0.4610E 00	0.4777E 00	0.4898E 00	0.4972E 00	0.4998E 00	0.4976E 00	0.4906E 00	0.4789E 00	0.4625E 00	0.4417E 00
103	0.4167E 00	0.3876E 00	0.3548E 00	0.3186E 00	0.2793E 00	0.2373E 00	0.1931E 00	0.1469E 00	0.9940E-01	0.5091E-01
104	0.1928E-02	-0.4707E-01	-0.9562E-01	-0.1433E 00	-0.1895E 00	-0.2339E 00	-0.2761E 00	-0.3156E 00	-0.3521E 00	-0.3851E 00
105	-0.4145E 00	-0.4399E 00	-0.4610E 00	-0.4777E 00	-0.4898E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00	-0.4906E 00	-0.4789E 00
106	-0.4625E 00	-0.4417E 00	-0.4167E 00	-0.3876E 00	-0.3548E 00	-0.3186E 00	-0.2793E 00	-0.2373E 00	-0.1931E 00	-0.1470E 00
107	-0.9942E-01	-0.5093E-01	-0.1946E-02	0.4705E-01	0.9560E-01	0.1433E 00	0.1895E 00	0.2339E 00	0.2761E 00	0.3156E 00
108	0.3521E 00	0.3851E 00	0.4145E 00	0.4399E 00	0.4610E 00	0.4777E 00	0.4898E 00	0.4972E 00	0.4998E 00	0.4976E 00
109	0.4906E 00	0.4789E 00	0.4625E 00	0.4417E 00	0.4167E 00	0.3876E 00	0.3548E 00	0.3186E 00	0.2793E 00	0.2373E 00
110	0.1931E 00	0.1470E 00	0.9942E-01	0.5093E-01	0.1946E-02	-0.4705E-01	-0.9560E-01	-0.1433E 00	-0.1895E 00	-0.2339E 00
111	-0.2761E 00	-0.3156E 00	-0.3521E 00	-0.3851E 00	-0.4145E 00	-0.4399E 00	-0.4610E 00	-0.4777E 00	-0.4898E 00	-0.4972E 00
112	-0.4998E 00	-0.4976E 00	-0.4906E 00	-0.4789E 00	-0.4625E 00	-0.4417E 00	-0.4167E 00	-0.3876E 00	-0.3548E 00	-0.3186E 00
113	-0.2793E 00	-0.2373E 00	-0.1931E 00	-0.1469E 00	-0.9941E-01	-0.5091E-01	-0.1929E-02	0.4707E-01	0.9562E-01	0.1433E 00
114	0.1895E 00	0.2339E 00	0.2761E 00	0.3156E 00	0.3521E 00	0.3852E 00	0.4145E 00	0.4399E 00	0.4610E 00	0.4777E 00
115	0.4898E 00	0.4972E 00	0.4998E 00	0.4976E 00	0.4906E 00	0.4788E 00	0.4625E 00	0.4417E 00	0.4166E 00	0.3876E 00
116	0.3548E 00	0.3186E 00	0.2793E 00	0.2373E 00	0.1930E 00	0.1469E 00	0.9937E-01	0.5087E-01	0.1899E-02	-0.4711E-01
117	-0.9566E-01	-0.1433E 00	-0.1895E 00	-0.2340E 00	-0.2761E 00	-0.3156E 00	-0.3521E 00	-0.3852E 00	-0.4145E 00	-0.4399E 00
118	-0.4611E 00	-0.4778E 00	-0.4898E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00	-0.4906E 00	-0.4789E 00	-0.4625E 00	-0.4417E 00
119	-0.4166E 00	-0.3875E 00	-0.3547E 00	-0.3185E 00	-0.2792E 00	-0.2372E 00	-0.1930E 00	-0.1468E 00	-0.9930E-01	-0.5081E-01
120	-0.1824E-02	0.4718E-01	0.9573E-01	0.1434E 00	0.1896E 00	0.2340E 00	0.2762E 00	0.3157E 00	0.3522E 00	0.3852E 00

121	0.4146E 00	0.4400E 00	0.4611E 00	0.4778E 00	0.4899E 00	0.4972E 00	0.4998E 00	0.4976E 00	0.4906E 00	0.4788E 00
122	0.4625E 00	0.4416E 00	0.4166E 00	0.3875E 00	0.3547E 00	0.3185E 00	0.2792E 00	0.2372E 00	0.1929E 00	0.1468E 00
123	0.9921E-01	0.5072E-01	0.1730E-02	-0.4727E-01	-0.9582E-01	-0.1434E 00	-0.1897E 00	-0.2341E 00	-0.2763E 00	-0.3158E 00
124	-0.3522E 00	-0.3853E 00	-0.4146E 00	-0.4400E 00	-0.4611E 00	-0.4778E 00	-0.4899E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00
125	-0.4905E 00	-0.4788E 00	-0.4624E 00	-0.4416E 00	-0.4166E 00	-0.3874E 00	-0.3546E 00	-0.3184E 00	-0.2790E 00	-0.2371E 00
126	-0.1928E 00	-0.1466E 00	-0.9909E-01	-0.5059E-01	-0.1604E-02	0.4740E-01	0.9595E-01	0.1436E 00	0.1898E 00	0.2342E 00
127	0.2764E 00	0.3159E 00	0.3523E 00	0.3854E 00	0.4147E 00	0.4401E 00	0.4612E 00	0.4778E 00	0.4899E 00	0.4973E 00
128	0.4998E 00									

IDPLOT = 00001 RANGE WARNING

EXECUTION OF THE PROGRAM P2.

NUMBER OF CHANNELS ON THE ORIGINAL TAPE:	16
NUMBER OF BLOCKS TO BE COMPUTED:	30
NUMBER OF CORR. COEFF. PER COMBINATION:	1281

COMBINATION TO BE COMPUTED.

FIRST CHANNEL :	5
SECOND CHANNEL:	8
DURATION IN SEC.:	40.315369

CORRELATION COEFFICIENTS FOR CHANNELS 5 AND 8

	0	1	2	3	4	5	6	7	8	9
0	0.8372E-05	-0.4896E-01	-0.9745E-01	-0.1450E 00	-0.1911E 00	-0.2354E 00	-0.2775E 00	-0.3169E 00	-0.3532E 00	-0.3861E 00
1	-0.4153E 00	-0.4405E 00	-0.4615E 00	-0.4780E 00	-0.4900E 00	-0.4972E 00	-0.4996E 00	-0.4972E 00	-0.4900E 00	-0.4781E 00
2	-0.4616E 00	-0.4407E 00	-0.4155E 00	-0.3863E 00	-0.3534E 00	-0.3171E 00	-0.2777E 00	-0.2357E 00	-0.1914E 00	-0.1452E 00
3	-0.9769E-01	-0.4919E-01	-0.2302E-03	0.4873E-01	0.9723E-01	0.1448E 00	0.1909E 00	0.2353E 00	0.2773E 00	0.3167E 00
4	0.3530E 00	0.3860E 00	0.4152E 00	0.4404E 00	0.4614E 00	0.4780E 00	0.4899E 00	0.4971E 00	0.4996E 00	0.4972E 00
5	0.4900E 00	0.4782E 00	0.4617E 00	0.4408E 00	0.4156E 00	0.3864E 00	0.3535E 00	0.3172E 00	0.2779E 00	0.2359E 00
6	0.1916E 00	0.1454E 00	0.9791E-01	0.4942E-01	0.4554E-03	-0.4851E-01	-0.9701E-01	-0.1446E 00	-0.1907E 00	-0.2351E 00
7	-0.2771E 00	-0.3165E 00	-0.3529E 00	-0.3858E 00	-0.4151E 00	-0.4403E 00	-0.4613E 00	-0.4779E 00	-0.4899E 00	-0.4971E 00
8	-0.4996E 00	-0.4972E 00	-0.4901E 00	-0.4782E 00	-0.4618E 00	-0.4409E 00	-0.4157E 00	-0.3866E 00	-0.3537E 00	-0.3174E 00
9	-0.2781E 00	-0.2361E 00	-0.1918E 00	-0.1457E 00	-0.9813E-01	-0.4964E-01	-0.6841E-03	0.4928E-01	0.9679E-01	0.1444E 00
10	0.1905E 00	0.2349E 00	0.2769E 00	0.3163E 00	0.3527E 00	0.3857E 00	0.4149E 00	0.4402E 00	0.4612E 00	0.4778E 00
11	0.4898E 00	0.4971E 00	0.4996E 00	0.4972E 00	0.4901E 00	0.4783E 00	0.4618E 00	0.4410E 00	0.4158E 00	0.3867E 00
12	0.3538E 00	0.3176E 00	0.2783E 00	0.2363E 00	0.1920E 00	0.1459E 00	0.9835E-01	0.4987E-01	0.9165E-03	-0.4805E-01
13	-0.9656E-01	-0.1441E 00	-0.1903E 00	-0.2346E 00	-0.2767E 00	-0.3162E 00	-0.3525E 00	-0.3855E 00	-0.4148E 00	-0.4401E 00
14	-0.4611E 00	-0.4778E 00	-0.4898E 00	-0.4971E 00	-0.4996E 00	-0.4973E 00	-0.4902E 00	-0.4783E 00	-0.4619E 00	-0.4411E 00
15	-0.4160E 00	-0.3868E 00	-0.3540E 00	-0.3178E 00	-0.2784E 00	-0.2365E 00	-0.1922E 00	-0.1461E 00	-0.9859E-01	-0.5011E-01
16	-0.1153E-02	0.4781E-01	0.9632E-01	0.1439E 00	0.1901E 00	0.2344E 00	0.2765E 00	0.3160E 00	0.3524E 00	0.3854E 00
17	0.4147E 00	0.4400E 00	0.4610E 00	0.4777E 00	0.4897E 00	0.4970E 00	0.4995E 00	0.4973E 00	0.4902E 00	0.4784E 00
18	0.4620E 00	0.4412E 00	0.4161E 00	0.3870E 00	0.3542E 00	0.3179E 00	0.2786E 00	0.2367E 00	0.1924E 00	0.1443E 00
19	0.9882E-01	0.5034E-01	0.1392E-02	-0.4757E-01	-0.9609E-01	-0.1437E 00	-0.1899E 00	-0.2342E 00	-0.2763E 00	-0.3158E 00
20	-0.3522E 00	-0.3852E 00	-0.4145E 00	-0.4399E 00	-0.4610E 00	-0.4776E 00	-0.4897E 00	-0.4970E 00	-0.4995E 00	-0.4973E 00
21	-0.4902E 00	-0.4785E 00	-0.4621E 00	-0.4413E 00	-0.4162E 00	-0.3871E 00	-0.3543E 00	-0.3181E 00	-0.2788E 00	-0.2369E 00
22	-0.1926E 00	-0.1466E 00	-0.9905E-01	-0.5058E-01	-0.1630E-02	0.4734E-01	0.9585E-01	0.1434E 00	0.1896E 00	0.2340E 00
23	0.2761E 00	0.3156E 00	0.3520E 00	0.3851E 00	0.4144E 00	0.4397E 00	0.4609E 00	0.4775E 00	0.4896E 00	0.4970E 00
24	0.4995E 00	0.4973E 00	0.4903E 00	0.4785E 00	0.4622E 00	0.4414E 00	0.4163E 00	0.3873E 00	0.3545E 00	0.3183E 00
25	0.2790E 00	0.2371E 00	0.1929E 00	0.1468E 00	0.9928E-01	0.5082E-01	0.1869E-02	-0.4710E-01	-0.9562E-01	-0.1432E 00
26	-0.1894E 00	-0.2338E 00	-0.2759E 00	-0.3154E 00	-0.3518E 00	-0.3849E 00	-0.4143E 00	-0.4396E 00	-0.4608E 00	-0.4774E 00
27	-0.4895E 00	-0.4969E 00	-0.4995E 00	-0.4973E 00	-0.4903E 00	-0.4786E 00	-0.4623E 00	-0.4415E 00	-0.4165E 00	-0.3874E 00
28	-0.3547E 00	-0.3185E 00	-0.2792E 00	-0.2373E 00	-0.1931E 00	-0.1470E 00	-0.9952E-01	-0.5105E-01	-0.2107E-02	0.4686E-01
29	0.9538E-01	0.1430E 00	0.1892E 00	0.2336E 00	0.2757E 00	0.3152E 00	0.3517E 00	0.3847E 00	0.4141E 00	0.4395E 00
30	0.4607E 00	0.4774E 00	0.4895E 00	0.4969E 00	0.4995E 00	0.4973E 00	0.4904E 00	0.4787E 00	0.4624E 00	0.4416E 00
31	0.4166E 00	0.3876E 00	0.3548E 00	0.3187E 00	0.2794E 00	0.2375E 00	0.1933E 00	0.1472E 00	0.9975E-01	0.5129E-01
32	0.2346E-02	-0.4662E-01	-0.9515E-01	-0.1428E 00	-0.1890E 00	-0.2334E 00	-0.2755E 00	-0.3150E 00	-0.3515E 00	-0.3846E 00
33	-0.4140E 00	-0.4394E 00	-0.4606E 00	-0.4773E 00	-0.4894E 00	-0.4969E 00	-0.4995E 00	-0.4973E 00	-0.4904E 00	-0.4787E 00
34	-0.4624E 00	-0.4417E 00	-0.4167E 00	-0.3877E 00	-0.3550E 00	-0.3188E 00	-0.2796E 00	-0.2377E 00	-0.1935E 00	-0.1475E 00
35	-0.9998E-01	-0.5153E-01	-0.2584E-02	0.4638E-01	0.9491E-01	0.1425E 00	0.1887E 00	0.2332E 00	0.2753E 00	0.3148E 00
36	0.3513E 00	0.3844E 00	0.4138E 00	0.4393E 00	0.4605E 00	0.4772E 00	0.4894E 00	0.4968E 00	0.4995E 00	0.4974E 00
37	0.4904E 00	0.4788E 00	0.4625E 00	0.4418E 00	0.4168E 00	0.3879E 00	0.3551E 00	0.3190E 00	0.2798E 00	0.2379E 00
38	0.1937E 00	0.1477E 00	0.1002E 00	0.5176E-01	0.2823E-02	-0.4615E-01	-0.9467E-01	-0.1423E 00	-0.1885E 00	-0.2329E 00
39	-0.2751E 00	-0.3146E 00	-0.3512E 00	-0.3843E 00	-0.4137E 00	-0.4391E 00	-0.4604E 00	-0.4771E 00	-0.4893E 00	-0.4968E 00
40	-0.4995E 00	-0.4974E 00	-0.4905E 00	-0.4788E 00	-0.4626E 00	-0.4419E 00	-0.4170E 00	-0.3880E 00	-0.3553E 00	-0.3192E 00
41	-0.2800E 00	-0.2381E 00	-0.1940E 00	-0.1479E 00	-0.1004E 00	-0.5200E-01	-0.3061E-02	0.4591E-01	0.9444E-01	0.1421E 00
42	0.1883E 00	0.2327E 00	0.2749E 00	0.3145E 00	0.3510E 00	0.3841E 00	0.4136E 00	0.4390E 00	0.4603E 00	0.4771E 00
43	0.4893E 00	0.4968E 00	0.4995E 00	0.4974E 00	0.4905E 00	0.4789E 00	0.4627E 00	0.4420E 00	0.4171E 00	0.3882E 00
44	0.3555E 00	0.3194E 00	0.2802E 00	0.2383E 00	0.1942E 00	0.1481E 00	0.1007E 00	0.5224E-01	0.3299E-02	-0.4567E-01
45	-0.9420E-01	-0.1418E 00	-0.1881E 00	-0.2325E 00	-0.2747E 00	-0.3143E 00	-0.3508E 00	-0.3840E 00	-0.4134E 00	-0.4389E 00
46	-0.4602E 00	-0.4770E 00	-0.4892E 00	-0.4967E 00	-0.4995E 00	-0.4974E 00	-0.4905E 00	-0.4790E 00	-0.4628E 00	-0.4421E 00
47	-0.4172E 00	-0.3883E 00	-0.3556E 00	-0.3196E 00	-0.2804E 00	-0.2385E 00	-0.1944E 00	-0.1484E 00	-0.1009E 00	-0.5247E-01
48	-0.3538E-02	0.4543E-01	0.9397E-01	0.1416E 00	0.1879E 00	0.2323E 00	0.2745E 00	0.3141E 00	0.3506E 00	0.3838E 00
49	0.4133E 00	0.4388E 00	0.4601E 00	0.4769E 00	0.4892E 00	0.4967E 00	0.4995E 00	0.4974E 00	0.4906E 00	0.4790E 00
50	0.4629E 00	0.4422E 00	0.4173E 00	0.3884E 00	0.3558E 00	0.3197E 00	0.2805E 00	0.2387E 00	0.1946E 00	0.1486E 00
51	0.1011E 00	0.5271E-01	0.3776E-02	-0.4519E-01	-0.9373E-01	-0.1414E 00	-0.1876E 00	-0.2321E 00	-0.2743E 00	-0.3139E 00
52	-0.3505E 00	-0.3836E 00	-0.4131E 00	-0.4387E 00	-0.4600E 00	-0.4768E 00	-0.4891E 00	-0.4967E 00	-0.4995E 00	-0.4974E 00
53	-0.4906E 00	-0.4791E 00	-0.4629E 00	-0.4423E 00	-0.4175E 00	-0.3886E 00	-0.3560E 00	-0.3199E 00	-0.2808E 00	-0.2390E 00
54	-0.1948E 00	-0.1488E 00	-0.1014E 00	-0.5294E-01	-0.4014E-02	0.4495E-01	0.9349E-01	0.1411E 00	0.1874E 00	0.2319E 00
55	0.2741E 00	0.3137E 00	0.3503E 00	0.3835E 00	0.4130E 00	0.4385E 00	0.4599E 00	0.4767E 00	0.4890E 00	0.4966E 00
56	0.4994E 00	0.4974E 00	0.4907E 00	0.4791E 00	0.4630E 00	0.4424E 00	0.4176E 00	0.3887E 00	0.3561E 00	0.3201E 00
57	0.2810E 00	0.2392E 00	0.1950E 00	0.1490E 00	0.1016E 00	0.5318E-01	0.4252E-02	-0.4472E-01	-0.9326E-01	-0.1409E 00
58	-0.1872E 00	-0.2317E 00	-0.2739E 00	-0.3135E 00	-0.3501E 00	-0.3833E 00	-0.4129E 00	-0.4384E 00	-0.4598E 00	-0.4767E 00
59	-0.4890E 00	-0.4966E 00	-0.4994E 00	-0.4975E 00	-0.4907E 00	-0.4792E 00	-0.4631E 00	-0.4425E 00	-0.4177E 00	-0.3889E 00
60	-0.3563E 00	-0.3203E 00	-0.2812E 00	-0.2394E 00	-0.1953E 00	-0.1493E 00	-0.1018E 00	-0.5341E-01	-0.4490E-02	0.4448E-01

61	0.9302E-01	0.1407E 00	0.1870E 00	0.2314E 00	0.2737E 00	0.3133E 00	0.3499E 00	0.3832E 00	0.4127E 00	0.4383E 00
62	0.4597E 00	0.4766E 00	0.4889E 00	0.4966E 00	0.4994E 00	0.4975E 00	0.4907E 00	0.4793E 00	0.4632E 00	0.4426E 00
63	0.4178E 00	0.3890E 00	0.3564E 00	0.3204E 00	0.2814E 00	0.2396E 00	0.1955E 00	0.1495E 00	0.1021E 00	0.5365E-01
64	0.4728E-02	-0.4424E-01	-0.9279E-01	-0.1404E 00	-0.1867E 00	-0.2312E 00	-0.2735E 00	-0.3131E 00	-0.3497E 00	-0.3830E 00
65	-0.4126E 00	-0.4382E 00	-0.4595E 00	-0.4765E 00	-0.4889E 00	-0.4965E 00	-0.4994E 00	-0.4975E 00	-0.4908E 00	-0.4793E 00
66	-0.4633E 00	-0.4427E 00	-0.4180E 00	-0.3891E 00	-0.3566E 00	-0.3206E 00	-0.2815E 00	-0.2398E 00	-0.1957E 00	-0.1497E 00
67	-0.1023E 00	-0.5389E-01	-0.4965E-02	0.4400E-01	0.9255E-01	0.1402E 00	0.1865E 00	0.2310E 00	0.2733E 00	0.3129E 00
68	0.3496E 00	0.3828E 00	0.4124E 00	0.4380E 00	0.4594E 00	0.4764E 00	0.4888E 00	0.4965E 00	0.4994E 00	0.4975E 00
69	0.4908E 00	0.4794E 00	0.4633E 00	0.4428E 00	0.4181E 00	0.3893E 00	0.3568E 00	0.3208E 00	0.2817E 00	0.2400E 00
70	0.1959E 00	0.1499E 00	0.1025E 00	0.5412E-01	0.5203E-02	-0.4376E-01	-0.9231E-01	-0.1400E 00	-0.1863E 00	-0.2308E 00
71	-0.2731E 00	-0.3127E 00	-0.3494E 00	-0.3827E 00	-0.4123E 00	-0.4379E 00	-0.4593E 00	-0.4763E 00	-0.4887E 00	-0.4964E 00
72	-0.4994E 00	-0.4975E 00	-0.4908E 00	-0.4794E 00	-0.4634E 00	-0.4429E 00	-0.4182E 00	-0.3894E 00	-0.3569E 00	-0.3210E 00
73	-0.2819E 00	-0.2402E 00	-0.1961E 00	-0.1502E 00	-0.1028E 00	-0.5436E-01	-0.5440E-02	0.4353E-01	0.9208E-01	0.1397E 00
74	0.1861E 00	0.2306E 00	0.2729E 00	0.3126E 00	0.3492E 00	0.3825E 00	0.4121E 00	0.4378E 00	0.4592E 00	0.4763E 00
75	0.4887E 00	0.4964E 00	0.4994E 00	0.4975E 00	0.4909E 00	0.4795E 00	0.4635E 00	0.4430E 00	0.4183E 00	0.3896E 00
76	0.3571E 00	0.3211E 00	0.2821E 00	0.2404E 00	0.1963E 00	0.1504E 00	0.1030E 00	0.5459E-01	0.5678E-02	0.5329E-01
77	-0.9184E-01	-0.1395E 00	-0.1858E 00	-0.2304E 00	-0.2727E 00	-0.3124E 00	-0.3490E 00	-0.3824E 00	-0.4120E 00	-0.4377E 00
78	-0.4591E 00	-0.4762E 00	-0.4886E 00	-0.4964E 00	-0.4993E 00	-0.4975E 00	-0.4909E 00	-0.4795E 00	-0.4636E 00	-0.4431E 00
79	-0.4184E 00	-0.3897E 00	-0.3572E 00	-0.3213E 00	-0.2823E 00	-0.2406E 00	-0.1965E 00	-0.1506E 00	-0.1032E 00	-0.5482E-01
80	-0.5915E-02	0.4305E-01	0.9161E-01	0.1393E 00	0.1856E 00	0.2302E 00	0.2725E 00	0.3122E 00	0.3489E 00	0.3827E 00
81	0.4119E 00	0.4375E 00	0.4590E 00	0.4761E 00	0.4886E 00	0.4963E 00	0.4993E 00	0.4975E 00	0.4909E 00	0.4796E 00
82	0.4636E 00	0.4432E 00	0.4185E 00	0.3898E 00	0.3574E 00	0.3215E 00	0.2825E 00	0.2408E 00	0.1968E 00	0.1508E 00
83	0.1034E 00	0.5506E-01	0.6152E-02	-0.4281E-01	-0.9137E-01	-0.1390E 00	-0.1854E 00	-0.2299E 00	-0.2723E 00	-0.3120E 00
84	-0.3487E 00	-0.3820E 00	-0.4117E 00	-0.4374E 00	-0.4589E 00	-0.4760E 00	-0.4885E 00	-0.4963E 00	-0.4993E 00	-0.4975E 00
85	-0.4909E 00	-0.4796E 00	-0.4637E 00	-0.4433E 00	-0.4187E 00	-0.3900E 00	-0.3575E 00	-0.3217E 00	-0.2827E 00	-0.2410E 00
86	-0.1970E 00	-0.1510E 00	-0.1037E 00	-0.5529E-01	-0.6389E-02	0.4258E-01	0.9113E-01	0.1388E 00	0.1852E 00	0.2297E 00
87	0.2721E 00	0.3118E 00	0.3485E 00	0.3819E 00	0.4116E 00	0.4373E 00	0.4588E 00	0.4759E 00	0.4884E 00	0.4962E 00
88	0.4993E 00	0.4975E 00	0.4910E 00	0.4797E 00	0.4638E 00	0.4434E 00	0.4188E 00	0.3901E 00	0.3577E 00	0.3218E 00
89	0.2829E 00	0.2412E 00	0.1972E 00	0.1513E 00	0.1039E 00	0.5553E-01	0.6626E-02	-0.4234E-01	-0.9090E-01	-0.1386E 00
90	-0.1849E 00	-0.2295E 00	-0.2719E 00	-0.3116E 00	-0.3483E 00	-0.3817E 00	-0.4114E 00	-0.4372E 00	-0.4587E 00	-0.4758E 00
91	-0.4884E 00	-0.4962E 00	-0.4993E 00	-0.4975E 00	-0.4910E 00	-0.4797E 00	-0.4639E 00	-0.4435E 00	-0.4189E 00	-0.3902E 00
92	-0.3578E 00	-0.3220E 00	-0.2831E 00	-0.2414E 00	-0.1974E 00	-0.1515E 00	-0.1041E 00	-0.5576E-01	-0.6863E-02	0.4210E-01
93	0.9066E-01	0.1383E 00	0.1847E 00	0.2293E 00	0.2717E 00	0.3114E 00	0.3481E 00	0.3815E 00	0.4113E 00	0.4370E 00
94	0.4586E 00	0.4757E 00	0.4883E 00	0.4962E 00	0.4992E 00	0.4975E 00	0.4910E 00	0.4798E 00	0.4639E 00	0.4436E 00
95	0.4190E 00	0.3904E 00	0.3580E 00	0.3222E 00	0.2832E 00	0.2416E 00	0.1976E 00	0.1517E 00	0.1044E 00	0.5599E-01
96	0.7099E-02	-0.4186E-01	-0.9042E-01	-0.1381E 00	-0.1845E 00	-0.2291E 00	-0.2714E 00	-0.3112E 00	-0.3480E 00	-0.3814E 00
97	-0.4111E 00	-0.4369E 00	-0.4585E 00	-0.4756E 00	-0.4882E 00	-0.4961E 00	-0.4992E 00	-0.4975E 00	-0.4910E 00	-0.4798E 00
98	-0.4640E 00	-0.4437E 00	-0.4191E 00	-0.3905E 00	-0.3582E 00	-0.3223E 00	-0.2834E 00	-0.2418E 00	-0.1978E 00	-0.1519E 00
99	-0.1046E 00	-0.5622E-01	-0.7335E-02	0.4163E-01	0.9019E-01	0.1379E 00	0.1842E 00	0.2288E 00	0.2712E 00	0.3110E 00
100	0.3478E 00	0.3812E 00	0.4110E 00	0.4368E 00	0.4584E 00	0.4755E 00	0.4882E 00	0.4961E 00	0.4992E 00	0.4975E 00
101	0.4911E 00	0.4799E 00	0.4641E 00	0.4438E 00	0.4192E 00	0.3906E 00	0.3583E 00	0.3225E 00	0.2836E 00	0.2420E 00
102	0.1980E 00	0.1521E 00	0.1048E 00	0.5646E-01	0.7571E-02	-0.4139E-01	-0.8995E-01	-0.1376E 00	-0.1840E 00	-0.2286E 00
103	-0.2710E 00	-0.3108E 00	-0.3476E 00	-0.3810E 00	-0.4108E 00	-0.4366E 00	-0.4582E 00	-0.4755E 00	-0.4881E 00	-0.4960E 00
104	-0.4992E 00	-0.4975E 00	-0.4911E 00	-0.4799E 00	-0.4641E 00	-0.4439E 00	-0.4193E 00	-0.3908E 00	-0.3585E 00	-0.3227E 00
105	-0.2838E 00	-0.2422E 00	-0.1982E 00	-0.1524E 00	-0.1050E 00	-0.5669E-01	-0.7807E-02	0.4115E-01	0.8971E-01	0.1374E 00
106	0.1838E 00	0.2284E 00	0.2708E 00	0.3106E 00	0.3474E 00	0.3809E 00	0.4107E 00	0.4365E 00	0.4581E 00	0.4754E 00
107	0.4880E 00	0.4960E 00	0.4991E 00	0.4975E 00	0.4911E 00	0.4800E 00	0.4642E 00	0.4440E 00	0.4195E 00	0.3909E 00
108	0.3586E 00	0.3228E 00	0.2840E 00	0.2424E 00	0.1984E 00	0.1526E 00	0.1053E 00	0.5692E-01	0.8042E-02	-0.4091E-01
109	-0.8948E-01	-0.1372E 00	-0.1836E 00	-0.2282E 00	-0.2706E 00	-0.3104E 00	-0.3472E 00	-0.3807E 00	-0.4105E 00	-0.4364E 00
110	-0.4580E 00	-0.4753E 00	-0.4879E 00	-0.4959E 00	-0.4991E 00	-0.4975E 00	-0.4911E 00	-0.4800E 00	-0.4643E 00	-0.4440E 00
111	-0.4196E 00	-0.3910E 00	-0.3587E 00	-0.3230E 00	-0.2842E 00	-0.2426E 00	-0.1986E 00	-0.1528E 00	-0.1055E 00	-0.5715E-01
112	-0.8278E-02	0.4068E-01	0.8924E-01	0.1369E 00	0.1833E 00	0.2280E 00	0.2704E 00	0.3102E 00	0.3470E 00	0.3805E 00
113	0.4103E 00	0.4362E 00	0.4579E 00	0.4752E 00	0.4879E 00	0.4959E 00	0.4991E 00	0.4975E 00	0.4911E 00	0.4800E 00
114	0.4643E 00	0.4441E 00	0.4197E 00	0.3912E 00	0.3589E 00	0.3232E 00	0.2843E 00	0.2427E 00	0.1988E 00	0.1530E 00
115	0.1057E 00	0.5738E-01	0.8512E-02	-0.4044E-01	-0.8900E-01	-0.1367E 00	-0.1831E 00	-0.2277E 00	-0.2702E 00	-0.3100E 00
116	-0.3468E 00	-0.3803E 00	-0.4102E 00	-0.4361E 00	-0.4578E 00	-0.4751E 00	-0.4878E 00	-0.4958E 00	-0.4990E 00	-0.4975E 00
117	-0.4911E 00	-0.4801E 00	-0.4644E 00	-0.4442E 00	-0.4198E 00	-0.3913E 00	-0.3590E 00	-0.3233E 00	-0.2845E 00	-0.2420E 00
118	-0.1990E 00	-0.1532E 00	-0.1059E 00	-0.5761E-01	-0.8746E-02	-0.8746E-02	-0.8746E-02	-0.8746E-02	-0.8746E-02	-0.8746E-02
119	0.2699E 00	0.3098E 00	0.3467E 00	0.3802E 00	0.4100E 00	0.4359E 00	0.4577E 00	0.4750E 00	0.4877E 00	0.4957E 00
120	0.4990E 00	0.4975E 00	0.4912E 00	0.4801E 00	0.4644E 00	0.4443E 00	0.4199E 00	0.3914E 00	0.3592E 00	0.3235E 00

121	0.2847E 00	0.2431E 00	0.1992E 00	0.1534E 00	0.1061E 00	0.5784E-01	0.8980E-02	-0.3997E-01	-0.8853E-01	-0.1362E 00
122	-0.1826E 00	-0.2273E 00	-0.2697E 00	-0.3096E 00	-0.3465E 00	-0.3800E 00	-0.4099E 00	-0.4358E 00	-0.4575E 00	-0.4749E 00
123	-0.4876E 00	-0.4957E 00	-0.4990E 00	-0.4975E 00	-0.4912E 00	-0.4801E 00	-0.4645E 00	-0.4444E 00	-0.4200E 00	-0.3915E 00
124	-0.3593E 00	-0.3236E 00	-0.2848E 00	-0.2433E 00	-0.1994E 00	-0.1536E 00	-0.1064E 00	-0.5807E-01	-0.9213E-02	0.3973E-01
125	0.8829E-01	0.1360E 00	0.1824E 00	0.2270E 00	0.2695E 00	0.3094E 00	0.3463E 00	0.3798E 00	0.4097E 00	0.4356E 00
126	0.4574E 00	0.4747E 00	0.4875E 00	0.4956E 00	0.4989E 00	0.4974E 00	0.4912E 00	0.4802E 00	0.4645E 00	0.4444E 00
127	0.4201E 00	0.3916E 00	0.3594E 00	0.3238E 00	0.2850E 00	0.2435E 00	0.1996E 00	0.1538E 00	0.1066E 00	0.5829E-01
128	0.9446E-02									

IDPLOT = 00001 RANGE WARNING

EXECUTION OF THE PROGRAM P2.

NUMBER OF CHANNELS ON THE ORIGINAL TAPE:	16
NUMBER OF BLOCKS TO BE COMPUTED:	30
NUMBER OF CORR. COEFF. PER COMBINATION:	1281

COMBINATION TO BE COMPUTED.
FIRST CHANNEL : 8
SECOND CHANNEL: 5
DURATION IN SEC.: 39.816177

CORRELATION COEFFICIENTS FOR CHANNELS 8 AND 5

	0	1	2	3	4	5	6	7	8	9
0	0.8372E-05	0.4904E-01	0.9760E-01	0.1452E 00	0.1914E 00	0.2358E 00	0.2779E 00	0.3172E 00	0.3537E 00	0.3866E 00
1	0.4159E 00	0.4411E 00	0.4621E 00	0.4787E 00	0.4906E 00	0.4978E 00	0.5002E 00	0.4978E 00	0.4907E 00	0.4787E 00
2	0.4622E 00	0.4412E 00	0.4160E 00	0.3868E 00	0.3538E 00	0.3175E 00	0.2781E 00	0.2360E 00	0.1916E 00	0.1454E 00
3	0.9780E-01	0.4924E-01	0.2134E-03	-0.4882E-01	-0.9738E-01	-0.1450E 00	-0.1912E 00	-0.2356E 00	-0.2777E 00	-0.3171E 00
4	-0.3535E 00	-0.3865E 00	-0.4158E 00	-0.4410E 00	-0.4620E 00	-0.4786E 00	-0.4906E 00	-0.4978E 00	-0.5002E 00	-0.4979E 00
5	-0.4907E 00	-0.4788E 00	-0.4623E 00	-0.4413E 00	-0.4161E 00	-0.3869E 00	-0.3540E 00	-0.3176E 00	-0.2782E 00	-0.2362E 00
6	-0.1918E 00	-0.1456E 00	-0.9802E-01	-0.4947E-01	-0.4385E-03	0.4859E-01	0.9716E-01	0.1448E 00	0.1910E 00	0.2354E 00
7	0.2775E 00	0.3170E 00	0.3534E 00	0.3864E 00	0.4157E 00	0.4409E 00	0.4620E 00	0.4786E 00	0.4905E 00	0.4978E 00
8	0.5003E 00	0.4979E 00	0.4907E 00	0.4789E 00	0.4624E 00	0.4415E 00	0.4163E 00	0.3871E 00	0.3542E 00	0.3178E 00
9	0.2784E 00	0.2364E 00	0.1920E 00	0.1458E 00	0.9825E-01	0.4969E-01	0.6671E-03	-0.4837E-01	-0.9694E-01	-0.1446E 00
10	-0.1908E 00	-0.2352E 00	-0.2773E 00	-0.3168E 00	-0.3532E 00	-0.3862E 00	-0.4155E 00	-0.4408E 00	-0.4619E 00	-0.4785E 00
11	-0.4905E 00	-0.4978E 00	-0.5003E 00	-0.4979E 00	-0.4908E 00	-0.4790E 00	-0.4625E 00	-0.4416E 00	-0.4164E 00	-0.3872E 00
12	-0.3543E 00	-0.3180E 00	-0.2786E 00	-0.2366E 00	-0.1922E 00	-0.1461E 00	-0.9847E-01	-0.4992E-01	-0.8994E-03	0.4813E-01
13	0.9671E-01	0.1444E 00	0.1906E 00	0.2350E 00	0.2771E 00	0.3166E 00	0.3530E 00	0.3861E 00	0.4154E 00	0.4407E 00
14	0.4618E 00	0.4784E 00	0.4905E 00	0.4978E 00	0.5003E 00	0.4980E 00	0.4909E 00	0.4790E 00	0.4626E 00	0.4417E 00
15	0.4165E 00	0.3874E 00	0.3545E 00	0.3182E 00	0.2788E 00	0.2368E 00	0.1925E 00	0.1463E 00	0.9871E-01	0.5016E-01
16	0.1136E-02	-0.4790E-01	-0.9648E-01	-0.1441E 00	-0.1904E 00	-0.2348E 00	-0.2769E 00	-0.3164E 00	-0.3529E 00	-0.3858E 00
17	-0.4153E 00	-0.4406E 00	-0.4617E 00	-0.4784E 00	-0.4904E 00	-0.4977E 00	-0.5003E 00	-0.4980E 00	-0.4909E 00	-0.4791E 00
18	-0.4627E 00	-0.4418E 00	-0.4167E 00	-0.3875E 00	-0.3547E 00	-0.3184E 00	-0.2790E 00	-0.2370E 00	-0.1927E 00	-0.1465E 00
19	-0.9894E-01	-0.5040E-01	-0.1374E-02	0.4766E-01	0.9625E-01	0.1439E 00	0.1902E 00	0.2346E 00	0.2767E 00	0.3163E 00
20	0.3527E 00	0.3858E 00	0.4152E 00	0.4405E 00	0.4616E 00	0.4783E 00	0.4904E 00	0.4977E 00	0.5003E 00	0.4980E 00
21	0.4910E 00	0.4792E 00	0.4628E 00	0.4419E 00	0.4168E 00	0.3877E 00	0.3548E 00	0.3186E 00	0.2792E 00	0.2372E 00
22	0.1929E 00	0.1468E 00	0.9918E-01	0.5064E-01	0.1613E-02	-0.4743E-01	-0.9601E-01	-0.1437E 00	-0.1899E 00	-0.2344E 00
23	-0.2766E 00	-0.3161E 00	-0.3526E 00	-0.3857E 00	-0.4150E 00	-0.4404E 00	-0.4615E 00	-0.4782E 00	-0.4903E 00	-0.4977E 00
24	-0.5003E 00	-0.4980E 00	-0.4910E 00	-0.4793E 00	-0.4629E 00	-0.4420E 00	-0.4170E 00	-0.3878E 00	-0.3550E 00	-0.3188E 00
25	-0.2794E 00	-0.2374E 00	-0.1931E 00	-0.1470E 00	-0.9941E-01	-0.5087E-01	-0.1851E-02	0.4719E-01	0.9578E-01	0.1435E 00
26	0.1897E 00	0.2342E 00	0.2764E 00	0.3159E 00	0.3524E 00	0.3855E 00	0.4149E 00	0.4403E 00	0.4615E 00	0.4782E 00
27	0.4903E 00	0.4977E 00	0.5003E 00	0.4981E 00	0.4911E 00	0.4793E 00	0.4630E 00	0.4422E 00	0.4171E 00	0.3980E 00
28	0.3552E 00	0.3189E 00	0.2796E 00	0.2376E 00	0.1934E 00	0.1472E 00	0.9965E-01	0.5111E-01	0.2090E-02	0.4695E-01
29	-0.9555E-01	-0.1432E 00	-0.1895E 00	-0.2340E 00	-0.2762E 00	-0.3157E 00	-0.3522E 00	-0.3854E 00	-0.4148E 00	-0.4402E 00
30	-0.4614E 00	-0.4781E 00	-0.4903E 00	-0.4977E 00	-0.5003E 00	-0.4981E 00	-0.4911E 00	-0.4794E 00	-0.4631E 00	-0.4423E 00
31	-0.4172E 00	-0.3882E 00	-0.3554E 00	-0.3191E 00	-0.2798E 00	-0.2379E 00	-0.1936E 00	-0.1475E 00	-0.9988E-01	-0.5135E-01
32	-0.2328E-02	0.4672E-01	0.9532E-01	0.1430E 00	0.1893E 00	0.2338E 00	0.2760E 00	0.3155E 00	0.3521E 00	0.3852E 00
33	0.4146E 00	0.4401E 00	0.4613E 00	0.4781E 00	0.4902E 00	0.4977E 00	0.5003E 00	0.4981E 00	0.4912E 00	0.4795E 00
34	0.4632E 00	0.4424E 00	0.4174E 00	0.3883E 00	0.3555E 00	0.3193E 00	0.2800E 00	0.2381E 00	0.1938E 00	0.1477E 00
35	0.1001E 00	0.5159E-01	0.2567E-02	-0.4648E-01	-0.9508E-01	-0.1428E 00	-0.1891E 00	-0.2335E 00	-0.2758E 00	-0.3154E 00
36	-0.3519E 00	-0.3851E 00	-0.4145E 00	-0.4400E 00	-0.4612E 00	-0.4780E 00	-0.4902E 00	-0.4976E 00	-0.5003E 00	-0.4982E 00
37	-0.4912E 00	-0.4796E 00	-0.4633E 00	-0.4425E 00	-0.4175E 00	-0.3885E 00	-0.3557E 00	-0.3195E 00	-0.2803E 00	-0.2393E 00
38	-0.1940E 00	-0.1479E 00	-0.1004E 00	-0.5183E-01	-0.2805E-02	0.4624E-01	0.9485E-01	0.1425E 00	0.1889E 00	0.2333E 00
39	0.2756E 00	0.3152E 00	0.3517E 00	0.3849E 00	0.4144E 00	0.4399E 00	0.4611E 00	0.4779E 00	0.4901E 00	0.4976E 00
40	0.5003E 00	0.4982E 00	0.4913E 00	0.4796E 00	0.4634E 00	0.4426E 00	0.4176E 00	0.3886E 00	0.3559E 00	0.3197E 00
41	0.2805E 00	0.2385E 00	0.1943E 00	0.1481E 00	0.1006E 00	0.5206E-01	0.3044E-02	-0.4601E-01	-0.9462E-01	-0.1423E 00
42	-0.1886E 00	-0.2331E 00	-0.2754E 00	-0.3150E 00	-0.3516E 00	-0.3848E 00	-0.4143E 00	-0.4398E 00	-0.4610E 00	-0.4779E 00
43	-0.4901E 00	-0.4976E 00	-0.5003E 00	-0.4982E 00	-0.4913E 00	-0.4797E 00	-0.4635E 00	-0.4428E 00	-0.4178E 00	-0.3888E 00
44	-0.3561E 00	-0.3199E 00	-0.2807E 00	-0.2387E 00	-0.1945E 00	-0.1484E 00	-0.1008E 00	-0.5230E-01	-0.3282E-02	0.4577E-01
45	0.9439E-01	0.1421E 00	0.1884E 00	0.2329E 00	0.2752E 00	0.3148E 00	0.3514E 00	0.3846E 00	0.4141E 00	0.4397E 00
46	0.4610E 00	0.4778E 00	0.4901E 00	0.4976E 00	0.5003E 00	0.4983E 00	0.4914E 00	0.4798E 00	0.4636E 00	0.4429E 00
47	0.4179E 00	0.3890E 00	0.3562E 00	0.3201E 00	0.2809E 00	0.2389E 00	0.1947E 00	0.1486E 00	0.1011E 00	0.5254E-01
48	0.3520E-02	-0.4553E-01	-0.9415E-01	-0.1419E 00	-0.1882E 00	-0.2327E 00	-0.2750E 00	-0.3146E 00	-0.3513E 00	-0.3845E 00
49	-0.4140E 00	-0.4396E 00	-0.4609E 00	-0.4778E 00	-0.4900E 00	-0.4976E 00	-0.5003E 00	-0.4983E 00	-0.4914E 00	-0.4799E 00
50	-0.4637E 00	-0.4430E 00	-0.4181E 00	-0.3891E 00	-0.3564E 00	-0.3203E 00	-0.2811E 00	-0.2392E 00	-0.1949E 00	-0.1488E 00
51	-0.1013E 00	-0.5278E-01	-0.3758E-02	0.4530E-01	0.9392E-01	0.1416E 00	0.1880E 00	0.2325E 00	0.2748E 00	0.3145E 00
52	0.3511E 00	0.3843E 00	0.4139E 00	0.4395E 00	0.4608E 00	0.4777E 00	0.4900E 00	0.4976E 00	0.5004E 00	0.4983E 00
53	0.4915E 00	0.4799E 00	0.4638E 00	0.4431E 00	0.4182E 00	0.3893E 00	0.3566E 00	0.3205E 00	0.2813E 00	0.2394E 00
54	0.1952E 00	0.1491E 00	0.1015E 00	0.5302E-01	0.3996E-02	-0.4506E-01	-0.9369E-01	-0.1414E 00	-0.1878E 00	-0.2323E 00
55	-0.2746E 00	-0.3143E 00	-0.3509E 00	-0.3842E 00	-0.4138E 00	-0.4394E 00	-0.4607E 00	-0.4776E 00	-0.4899E 00	-0.4976E 00
56	-0.5004E 00	-0.4984E 00	-0.4916E 00	-0.4800E 00	-0.4639E 00	-0.4432E 00	-0.4183E 00	-0.3894E 00	-0.3568E 00	-0.3207E 00
57	-0.2815E 00	-0.2396E 00	-0.1954E 00	-0.1493E 00	-0.1018E 00	-0.5325E-01	-0.4235E-02	0.4483E-01	0.9346E-01	0.1412E 00
58	0.1876E 00	0.2321E 00	0.2744E 00	0.3141E 00	0.3508E 00	0.3841E 00	0.4136E 00	0.4393E 00	0.4606E 00	0.4776E 00
59	0.4899E 00	0.4975E 00	0.5004E 00	0.4984E 00	0.4916E 00	0.4801E 00	0.4640E 00	0.4434E 00	0.4185E 00	0.3896E 00
60	0.3569E 00	0.3209E 00	0.2817E 00	0.2398E 00	0.1956E 00	0.1495E 00	0.1020E 00	0.5349E-01	0.4472E-02	-0.4454E-01

61	-0.9323E-01	-0.1410E 00	-0.1874E 00	-0.2319E 00	-0.2742E 00	-0.3139E 00	-0.3506E 00	-0.3839E 00	-0.4135E 00	-0.4392E 00
62	-0.4605E 00	-0.4775E 00	-0.4899E 00	-0.4975E 00	-0.5004E 00	-0.4984E 00	-0.4917E 00	-0.4802E 00	-0.4641E 00	-0.4435E 00
63	-0.4186E 00	-0.3898E 00	-0.3571E 00	-0.3210E 00	-0.2819E 00	-0.2400E 00	-0.1958E 00	-0.1498E 00	-0.1022E 00	-0.5273E-01
64	-0.4710E-02	0.4435E-01	0.9300E-01	0.1407E 00	0.1871E 00	0.2317E 00	0.2741E 00	0.3138E 00	0.3505E 00	0.3839E 00
65	0.4134E 00	0.4390E 00	0.4605E 00	0.4775E 00	0.4899E 00	0.4975E 00	0.5004E 00	0.4984E 00	0.4917E 00	0.4802E 00
66	0.4642E 00	0.4436E 00	0.4188E 00	0.3899E 00	0.3573E 00	0.3212E 00	0.2821E 00	0.2402E 00	0.1961E 00	0.1500E 00
67	0.1025E 00	0.5397E-01	0.4948E-02	-0.4412E-01	-0.9276E-01	-0.1405E 00	-0.1869E 00	-0.2315E 00	-0.2739E 00	-0.3136E 00
68	-0.3503E 00	-0.3836E 00	-0.4133E 00	-0.4389E 00	-0.4604E 00	-0.4774E 00	-0.4898E 00	-0.4975E 00	-0.5004E 00	-0.4984E 00
69	-0.4918E 00	-0.4803E 00	-0.4643E 00	-0.4437E 00	-0.4189E 00	-0.3901E 00	-0.3575E 00	-0.3214E 00	-0.2823E 00	-0.2404E 00
70	-0.1963E 00	-0.1502E 00	-0.1027E 00	-0.5420E-01	-0.5186E-02	-0.4388E-01	0.9253E-01	0.1403E 00	0.1867E 00	0.2313E 00
71	0.2737E 00	0.3134E 00	0.3501E 00	0.3835E 00	0.4132E 00	0.4388E 00	0.4603E 00	0.4773E 00	0.4898E 00	0.4975E 00
72	0.5004E 00	0.4985E 00	0.4918E 00	0.4804E 00	0.4644E 00	0.4439E 00	0.4191E 00	0.3902E 00	0.3576E 00	0.3216E 00
73	0.2825E 00	0.2407E 00	0.1965E 00	0.1504E 00	0.1029E 00	0.5444E-01	0.5423E-02	-0.4365E-01	-0.9230E-01	-0.1401E 00
74	-0.1865E 00	-0.2311E 00	-0.2735E 00	-0.3132E 00	-0.3500E 00	-0.3834E 00	-0.4130E 00	-0.4387E 00	-0.4602E 00	-0.4773E 00
75	-0.4897E 00	-0.4975E 00	-0.5004E 00	-0.4986E 00	-0.4919E 00	-0.4805E 00	-0.4645E 00	-0.4440E 00	-0.4192E 00	-0.3904E 00
76	-0.3578E 00	-0.3218E 00	-0.2827E 00	-0.2409E 00	-0.1967E 00	-0.1507E 00	-0.1032E 00	-0.5468E-01	-0.5661E-02	-0.4341E-01
77	0.9207E-01	0.1398E 00	0.1863E 00	0.2309E 00	0.2733E 00	0.3131E 00	0.3498E 00	0.3832E 00	0.4129E 00	0.4386E 00
78	0.4602E 00	0.4772E 00	0.4897E 00	0.4975E 00	0.5004E 00	0.4986E 00	0.4920E 00	0.4806E 00	0.4646E 00	0.4441E 00
79	0.4193E 00	0.3906E 00	0.3580E 00	0.3220E 00	0.2829E 00	0.2411E 00	0.1970E 00	0.1509E 00	0.1034E 00	0.5492E-01
80	0.5898E-02	-0.4318E-01	-0.9184E-01	-0.1396E 00	-0.1861E 00	-0.2307E 00	-0.2731E 00	-0.3129E 00	-0.3497E 00	-0.3831E 00
81	-0.4128E 00	-0.4385E 00	-0.4601E 00	-0.4772E 00	-0.4897E 00	-0.4975E 00	-0.5005E 00	-0.4986E 00	-0.4920E 00	-0.4807E 00
82	-0.4647E 00	-0.4442E 00	-0.4195E 00	-0.3907E 00	-0.3582E 00	-0.3222E 00	-0.2831E 00	-0.2413E 00	-0.1972E 00	-0.1511E 00
83	-0.1036E 00	-0.5515E-01	-0.6135E-02	0.4294E-01	0.9161E-01	0.1394E 00	0.1858E 00	0.2305E 00	0.2729E 00	0.3127E 00
84	0.3495E 00	0.3829E 00	0.4127E 00	0.4385E 00	0.4600E 00	0.4771E 00	0.4896E 00	0.4975E 00	0.5005E 00	0.4987E 00
85	0.4921E 00	0.4808E 00	0.4648E 00	0.4444E 00	0.4196E 00	0.3909E 00	0.3584E 00	0.3224E 00	0.2833E 00	0.2415E 00
86	0.1974E 00	0.1514E 00	0.1039E 00	0.5539E-01	0.6372E-02	-0.4271E-01	-0.9138E-01	-0.1392E 00	-0.1856E 00	-0.2303E 00
87	-0.2727E 00	-0.3126E 00	-0.3494E 00	-0.3828E 00	-0.4126E 00	-0.4384E 00	-0.4599E 00	-0.4771E 00	-0.4896E 00	-0.4974E 00
88	-0.5005E 00	-0.4987E 00	-0.4921E 00	-0.4808E 00	-0.4649E 00	-0.4445E 00	-0.4198E 00	-0.3910E 00	-0.3585E 00	-0.3226E 00
89	-0.2835E 00	-0.2418E 00	-0.1976E 00	-0.1516E 00	-0.1041E 00	-0.5563E-01	-0.6609E-02	0.4247E-01	0.9115E-01	0.1390E 00
90	0.1854E 00	0.2301E 00	0.2726E 00	0.3124E 00	0.3492E 00	0.3827E 00	0.4124E 00	0.4383E 00	0.4599E 00	0.4770E 00
91	0.4896E 00	0.4974E 00	0.5005E 00	0.4988E 00	0.4922E 00	0.4809E 00	0.4650E 00	0.4446E 00	0.4199E 00	0.3912E 00
92	0.3587E 00	0.3228E 00	0.2837E 00	0.2420E 00	0.1979E 00	0.1518E 00	0.1044E 00	0.5587E-01	0.6846E-02	-0.4224E-01
93	-0.9092E-01	-0.1387E 00	-0.1852E 00	-0.2299E 00	-0.2724E 00	-0.3122E 00	-0.3491E 00	-0.3825E 00	-0.4123E 00	-0.4382E 00
94	-0.4598E 00	-0.4770E 00	-0.4896E 00	-0.4974E 00	-0.5005E 00	-0.4988E 00	-0.4923E 00	-0.4810E 00	-0.4651E 00	-0.4447E 00
95	-0.4201E 00	-0.3914E 00	-0.3589E 00	-0.3230E 00	-0.2840E 00	-0.2422E 00	-0.1981E 00	-0.1521E 00	-0.1046E 00	-0.5610E-01
96	-0.7082E-02	0.4201E-01	0.9070E-01	0.1385E 00	0.1850E 00	0.2297E 00	0.2722E 00	0.3120E 00	0.3489E 00	0.3824E 00
97	0.4122E 00	0.4381E 00	0.4597E 00	0.4769E 00	0.4895E 00	0.4974E 00	0.5006E 00	0.4989E 00	0.4923E 00	0.4811E 00
98	0.4652E 00	0.4449E 00	0.4202E 00	0.3915E 00	0.3591E 00	0.3232E 00	0.2842E 00	0.2424E 00	0.1983E 00	0.1523E 00
99	0.1048E 00	0.5634E-01	0.7319E-02	-0.4177E-01	-0.9047E-01	-0.1383E 00	-0.1848E 00	-0.2295E 00	-0.2720E 00	-0.3119E 00
100	-0.3488E 00	-0.3823E 00	-0.4121E 00	-0.4380E 00	-0.4596E 00	-0.4769E 00	-0.4895E 00	-0.4974E 00	-0.5006E 00	-0.4989E 00
101	-0.4924E 00	-0.4812E 00	-0.4653E 00	-0.4450E 00	-0.4204E 00	-0.3917E 00	-0.3593E 00	-0.3234E 00	-0.2844E 00	-0.2426E 00
102	-0.1985E 00	-0.1525E 00	-0.1051E 00	-0.5658E-01	-0.7555E-02	0.4154E-01	0.9024E-01	0.1381E 00	0.1846E 00	0.2293E 00
103	0.2718E 00	0.3117E 00	0.3486E 00	0.3821E 00	0.4120E 00	0.4379E 00	0.4596E 00	0.4768E 00	0.4895E 00	0.4974E 00
104	0.5006E 00	0.4989E 00	0.4925E 00	0.4813E 00	0.4654E 00	0.4451E 00	0.4205E 00	0.3919E 00	0.3595E 00	0.3236E 00
105	0.2846E 00	0.2428E 00	0.1988E 00	0.1528E 00	0.1053E 00	0.5681E-01	0.7790E-02	-0.4131E-01	-0.9001E-01	-0.1379E 00
106	-0.1844E 00	-0.2291E 00	-0.2716E 00	-0.3115E 00	-0.3485E 00	-0.3820E 00	-0.4119E 00	-0.4378E 00	-0.4595E 00	-0.4768E 00
107	-0.4895E 00	-0.4974E 00	-0.5006E 00	-0.4990E 00	-0.4926E 00	-0.4814E 00	-0.4656E 00	-0.4453E 00	-0.4207E 00	-0.3921E 00
108	-0.3596E 00	-0.3238E 00	-0.2848E 00	-0.2431E 00	-0.1990E 00	-0.1530E 00	-0.1055E 00	-0.5705E-01	-0.9026E-02	0.4108E-01
109	0.8979E-01	0.1376E 00	0.1842E 00	0.2289E 00	0.2715E 00	0.3114E 00	0.3483E 00	0.3819E 00	0.4118E 00	0.4377E 00
110	0.4594E 00	0.4767E 00	0.4894E 00	0.4974E 00	0.5007E 00	0.4990E 00	0.4926E 00	0.4815E 00	0.4657E 00	0.4450E 00
111	0.4208E 00	0.3922E 00	0.3598E 00	0.3240E 00	0.2850E 00	0.2433E 00	0.1992E 00	0.1532E 00	0.1058E 00	0.5729E-01
112	0.8261E-02	-0.4085E-01	-0.8956E-01	-0.1374E 00	-0.1840E 00	-0.2287E 00	-0.2713E 00	-0.3112E 00	-0.3482E 00	-0.3818E 00
113	-0.4117E 00	-0.4376E 00	-0.4594E 00	-0.4767E 00	-0.4894E 00	-0.4975E 00	-0.5007E 00	-0.4991E 00	-0.4927E 00	-0.4816E 00
114	-0.4658E 00	-0.4455E 00	-0.4210E 00	-0.3924E 00	-0.3600E 00	-0.3242E 00	-0.2852E 00	-0.2435E 00	-0.1994E 00	-0.1535E 00
115	-0.1060E 00	-0.5752E-01	-0.8496E-02	0.4062E-01	0.8934E-01	0.1372E 00	0.1837E 00	0.2285E 00	0.2711E 00	0.3111E 00
116	0.3480E 00	0.3816E 00	0.4116E 00	0.4376E 00	0.4593E 00	0.4767E 00	0.4894E 00	0.4975E 00	0.5007E 00	0.4992E 00
117	0.4928E 00	0.4817E 00	0.4659E 00	0.4457E 00	0.4212E 00	0.3926E 00	0.3602E 00	0.3244E 00	0.2854E 00	0.2437E 00
118	0.1997E 00	0.1537E 00	0.1062E 00	0.5776E-01	0.8730E-02	-0.4039E-01	-0.8911E-01	-0.1370E 00	-0.1835E 00	-0.2283E 00
119	-0.2709E 00	-0.3109E 00	-0.3479E 00	-0.3815E 00	-0.4115E 00	-0.4375E 00	-0.4593E 00	-0.4766E 00	-0.4894E 00	-0.4975E 00
120	-0.5008E 00	-0.4992E 00	-0.4929E 00	-0.4818E 00	-0.4660E 00	-0.4458E 00	-0.4213E 00	-0.3928E 00	-0.3604E 00	-0.3246E 00

121	-0.2856E 00	-0.2439E 00	-0.1999E 00	-0.1539E 00	-0.1065E 00	-0.5800E-01	-0.8964E-02	0.4016E-01	0.8889E-01	0.1368E 00
122	0.1833E 00	0.2281E 00	0.2707E 00	0.3107E 00	0.3477E 00	0.3814E 00	0.4114E 00	0.4374E 00	0.4592E 00	0.4766E 00
123	0.4894E 00	0.4975E 00	0.5008E 00	0.4993E 00	0.4929E 00	0.4819E 00	0.4662E 00	0.4460E 00	0.4215E 00	0.3929E 00
124	0.3606E 00	0.3248E 00	0.2859E 00	0.2442E 00	0.2001E 00	0.1542E 00	0.1067E 00	0.5823E-01	0.9197E-02	-0.3993E-01
125	-0.8867E-01	-0.1366E 00	-0.1831E 00	-0.2280E 00	-0.2706E 00	-0.3106E 00	-0.3476E 00	-0.3813E 00	-0.4113E 00	-0.4373E 00
126	-0.4592E 00	-0.4766E 00	-0.4894E 00	-0.4975E 00	-0.5008E 00	-0.4993E 00	-0.4930E 00	-0.4820E 00	-0.4663E 00	-0.4461E 00
127	-0.4216E 00	-0.3931E 00	-0.3608E 00	-0.3250E 00	-0.2861E 00	-0.2444E 00	-0.2004E 00	-0.1544E 00	-0.1069E 00	-0.5847E-01
128	-0.9430E-02									

IDPLOT = 00001 RANGE WARNING

EXECUTION OF THE PROGRAM P3.

NUMBER OF CHANNELS ON THE ORIGINAL TAPE:	16
NUMBER OF BLOCKS TO BE COMPUTED:	30
NUMBER OF CORR. COEFF. PER COMBINATION:	1281

CHANNELS:	5	8
FREQUENCY INTERVAL	0.10000000E 01	

	0	1	2	3	4	5	6	7	8	9
0	0.1075E 00	0.1071E 00	0.1077E 00	0.1075E 00	0.1083E 00	0.1083E 00	0.1092E 00	0.1126E 00	0.1182E 00	0.1157E 00
1	0.1137E 00	0.1142E 00	0.1138E 00	0.1122E 00	0.1192E 00	0.1246E 00	0.1279E 00	0.1295E 00	0.1341E 00	0.1364E 00
2	0.1425E 00	0.1455E 00	0.1532E 00	0.1567E 00	0.1670E 00	0.1713E 00	0.1853E 00	0.1904E 00	0.2106E 00	0.2164E 00
3	0.2469E 00	0.2528E 00	0.3042E 00	0.3071E 00	0.4080E 00	0.3905E 00	0.6585E 00	0.4861E 00	0.2080E 01	0.3257E 01
4	0.6398E 03	0.3142E 03	-0.2045E 01	-0.4423E 00	-0.6103E 00	-0.3382E 00	-0.3534E 00	-0.2520E 00	-0.2493E 00	-0.1975E 00
5	-0.1911E 00	-0.1603E 00	-0.1541E 00	-0.1338E 00	-0.1282E 00	-0.1139E 00	-0.1091E 00	-0.9847E-01	-0.9451E-01	-0.8644E-01
6	-0.8302E-01	-0.7664E-01	-0.7372E-01	-0.6855E-01	-0.6608E-01	-0.6191E-01	-0.5972E-01	-0.5621E-01	-0.5434E-01	-0.5137E-01
7	-0.4966E-01	-0.4699E-01	-0.4531E-01	-0.4327E-01	-0.4208E-01	-0.4006E-01	-0.3888E-01	-0.3728E-01	-0.3624E-01	-0.3473E-01
8	-0.3371E-01	-0.3233E-01	-0.3143E-01	-0.3026E-01	-0.2948E-01	-0.2850E-01	-0.2779E-01	-0.2668E-01	-0.2597E-01	-0.2523E-01
9	-0.2463E-01	-0.2371E-01	-0.2309E-01	-0.2242E-01	-0.2194E-01	-0.2125E-01	-0.2076E-01	-0.2011E-01	-0.1959E-01	-0.1906E-01
10	-0.1869E-01	-0.1818E-01	-0.1794E-01	-0.1742E-01	-0.1679E-01	-0.1644E-01	-0.1634E-01	-0.1588E-01	-0.1544E-01	-0.1507E-01
11	-0.1487E-01	-0.1441E-01	-0.1403E-01	-0.1375E-01	-0.1347E-01	-0.1299E-01	-0.1262E-01	-0.1199E-01	-0.1131E-02	-0.1032E-01
12	-0.1356E-01	-0.1303E-02	-0.8443E-02	-0.1092E-01	-0.1083E-01	-0.1053E-01	-0.1029E-01	-0.1029E-01	-0.1021E-01	-0.9947E-02
13	-0.9754E-02	-0.9598E-02	-0.9482E-02	-0.9310E-02	-0.9206E-02	-0.9097E-02	-0.8917E-02	-0.8669E-02	-0.8567E-02	-0.8462E-02
14	-0.8296E-02	-0.8137E-02	-0.8059E-02	-0.7971E-02	-0.7824E-02	-0.7600E-02	-0.7512E-02	-0.7502E-02	-0.7399E-02	-0.7118E-02
15	-0.6943E-02	-0.6872E-02	-0.6709E-02	-0.6541E-02	-0.6536E-02	-0.6482E-02	-0.6421E-02	-0.6352E-02	-0.6285E-02	-0.6181E-02
16	-0.6079E-02	-0.5993E-02	-0.5921E-02	-0.5844E-02	-0.5750E-02	-0.5684E-02	-0.5611E-02	-0.4790E-02	-0.4055E-02	-0.4700E-02
17	-0.5358E-02	-0.5273E-02	-0.5107E-02	-0.4991E-02	-0.5004E-02	-0.4972E-02	-0.4896E-02	-0.4798E-02	-0.4694E-02	-0.4651E-02
18	-0.4639E-02	-0.4619E-02	-0.4645E-02	-0.4555E-02	-0.4365E-02	-0.4313E-02	-0.4303E-02	-0.4189E-02	-0.4146E-02	-0.4100E-02
19	-0.4113E-02	-0.4066E-02	-0.4030E-02	-0.4057E-02	-0.4047E-02	-0.4115E-02	-0.3879E-02	-0.4258E-02	-0.4081E-02	0.1336E-02
20	0.5534E-02	0.7178E-03	-0.4429E-02	-0.4221E-02	-0.3541E-02	-0.3504E-02	-0.3404E-02	-0.3429E-02	-0.3400E-02	-0.3400E-02
21	-0.3403E-02	-0.3349E-02	-0.3258E-02	-0.3211E-02	-0.3195E-02	-0.3174E-02	-0.3122E-02	-0.3011E-02	-0.2958E-02	-0.2913E-02
22	-0.3053E-02	-0.3056E-02	-0.3024E-02	-0.2946E-02	-0.2877E-02	-0.2792E-02	-0.2752E-02	-0.2836E-02	-0.3163E-02	-0.3299E-02
23	-0.2894E-02	-0.2582E-02	-0.2562E-02	-0.2589E-02	-0.2635E-02	-0.2664E-02	-0.2630E-02	-0.2532E-02	-0.2500E-02	-0.2481E-02
24	-0.2488E-02	-0.2510E-02	-0.2469E-02	-0.2429E-02	-0.2430E-02	-0.2453E-02	-0.2488E-02	-0.2336E-02	-0.2228E-02	-0.2239E-02
25	-0.2242E-02	-0.2209E-02	-0.2226E-02	-0.2220E-02	-0.2221E-02	-0.2233E-02	-0.2208E-02	-0.2208E-02	-0.2265E-02	-0.2269E-02
26	-0.2220E-02	-0.2172E-02	-0.2155E-02	-0.2177E-02	-0.2128E-02	-0.2055E-02	-0.2012E-02	-0.1955E-02	-0.1975E-02	-0.1982E-02
27	-0.1900E-02	-0.1936E-02	-0.2011E-02	-0.1995E-02	-0.1924E-02	-0.1920E-02	-0.2000E-02	-0.1764E-02	-0.3221E-02	-0.4316E-02
28	-0.3637E-02	-0.3876E-02	-0.2683E-02	-0.1601E-02	-0.1865E-02	-0.1624E-02	-0.1545E-02	-0.1556E-02	-0.1732E-02	-0.1902E-02
29	-0.1874E-02	-0.1799E-02	-0.1720E-02	-0.1655E-02	-0.1637E-02	-0.1645E-02	-0.1592E-02	-0.1495E-02	-0.1501E-02	-0.1566E-02
30	-0.1608E-02	-0.1635E-02	-0.1576E-02	-0.1476E-02	-0.1483E-02	-0.1499E-02	-0.1461E-02	-0.1518E-02	-0.1611E-02	-0.1601E-02
31	-0.1550E-02	-0.1474E-02	-0.1458E-02	-0.1530E-02	-0.1536E-02	-0.1488E-02	-0.1448E-02	-0.1446E-02	-0.1472E-02	-0.1427E-02
32	-0.1342E-02	-0.1316E-02	-0.1292E-02	-0.1249E-02	-0.1316E-02	-0.1415E-02	-0.1384E-02	-0.1267E-02	-0.1240E-02	-0.1287E-02
33	-0.1232E-02	-0.1197E-02	-0.1271E-02	-0.1266E-02	-0.1212E-02	-0.1216E-02	-0.1210E-02	-0.1215E-02	-0.1247E-02	-0.1214E-02
34	-0.1190E-02	-0.1229E-02	-0.1270E-02	-0.1154E-03	-0.9316E-04	-0.6097E-03	-0.1209E-02	-0.1228E-02	-0.1199E-02	-0.1150E-02
35	-0.1128E-02	-0.1161E-02	-0.1126E-02	-0.1024E-02	-0.1064E-02	-0.9738E-03	-0.1085E-02	-0.9983E-03	0.4515E-03	0.2672E-02
36	0.3821E-02	0.2628E-02	0.3886E-03	-0.9260E-03	-0.1027E-02	-0.1002E-02	-0.1095E-02	-0.1026E-02	-0.1052E-02	-0.1094E-02
37	-0.1010E-02	-0.9152E-03	-0.9474E-03	-0.9719E-03	-0.9573E-03	-0.9958E-03	-0.9924E-03	-0.9130E-03	-0.9791E-03	-0.1085E-02
38	-0.9376E-03	-0.8726E-03	-0.8956E-03	-0.9061E-03	-0.9182E-03	-0.9270E-03	-0.9285E-03	-0.9441E-03	-0.8935E-03	-0.8716E-03
39	-0.9482E-03	-0.8828E-03	-0.8243E-03	-0.9396E-03	-0.1001E-02	-0.9477E-03	-0.9224E-03	-0.9894E-03	-0.1008E-02	-0.9319E-03
40	-0.8516E-03	-0.8433E-03	-0.8625E-03	-0.8373E-03	-0.8398E-03	-0.8625E-03	-0.8239E-03	-0.6386E-03	-0.5656E-03	-0.7700E-03
41	-0.9198E-03	-0.9508E-03	-0.9457E-03	-0.8876E-03	-0.8304E-03	-0.7894E-03	-0.7659E-03	-0.7724E-03	-0.7348E-03	-0.6527E-03
42	-0.6343E-03	-0.7368E-03	-0.8701E-03	-0.8655E-03	-0.7945E-03	-0.7929E-03	-0.8252E-03	-0.8201E-03	-0.8338E-03	-0.8949E-03
43	-0.9453E-03	-0.8910E-03	-0.8085E-03	-0.8153E-03	-0.8761E-03	-0.9117E-03	-0.7761E-03	-0.1235E-02	-0.1832E-02	-0.3961E-03
44	0.8763E-03	-0.7347E-03	-0.1836E-02	-0.9692E-03	-0.6403E-03	-0.7866E-03	-0.6887E-03	-0.6391E-03	-0.6766E-03	-0.6705E-03
45	-0.5888E-03	-0.6561E-03	-0.7401E-03	-0.7433E-03	-0.7161E-03	-0.6453E-03	-0.6405E-03	-0.6540E-03	-0.6713E-03	-0.7047E-03
46	-0.6942E-03	-0.6827E-03	-0.6621E-03	-0.6140E-03	-0.6034E-03	-0.6398E-03	-0.6992E-03	-0.7133E-03	-0.9806E-03	-0.1118E-02
47	-0.9268E-03	-0.5773E-03	-0.4713E-03	-0.5286E-03	-0.5859E-03	-0.5085E-03	-0.6578E-03	-0.6762E-03	-0.6409E-03	-0.6198E-03
48	-0.6491E-03	-0.6666E-03	-0.6669E-03	-0.6719E-03	-0.6291E-03	-0.5802E-03	-0.5690E-03	-0.5519E-03	-0.5562E-03	-0.5686E-03
49	-0.5998E-03	-0.6265E-03	-0.6148E-03	-0.6402E-03	-0.6922E-03	-0.6781E-03	-0.6130E-03	-0.5847E-03	-0.6265E-03	-0.6930E-03
50	-0.7372E-03	-0.7532E-03	-0.9378E-03	0.2207E-02	0.6108E-02	0.3350E-02	0.1721E-03	-0.3733E-03	-0.4301E-03	-0.5105E-03
51	-0.5453E-03	-0.4622E-03	-0.3830E-03	-0.4456E-03	-0.4510E-03	-0.5754E-03	-0.6255E-03	-0.2003E-03	-0.6540E-03	0.1378E-02
52	0.4839E-02	0.2801E-02	0.3288E-03	0.2522E-03	-0.2314E-03	-0.3406E-03	-0.3609E-03	-0.3811E-03	-0.3582E-03	-0.3650E-03
53	-0.3327E-03	-0.3528E-03	-0.3985E-03	-0.4490E-03	-0.4635E-03	-0.3856E-03	-0.3691E-03	-0.4278E-03	-0.4206E-03	-0.4687E-03
54	-0.5721E-03	-0.5642E-03	-0.4658E-03	-0.3814E-03	-0.3824E-03	-0.4209E-03	-0.4529E-03	-0.4603E-03	-0.4409E-03	-0.4534E-03
55	-0.4697E-03	-0.4085E-03	-0.3245E-03	-0.3834E-03	-0.4171E-03	-0.3719E-03	-0.4046E-03	-0.4124E-03	-0.4014E-03	-0.4206E-03
56	-0.4356E-03	-0.3973E-03	-0.3567E-03	-0.3707E-03	-0.3479E-03	-0.2912E-03	-0.2795E-03	-0.2989E-03	-0.2776E-03	-0.3141E-03
57	-0.4290E-03	-0.4389E-03	-0.3819E-03	-0.3451E-03	-0.3664E-03	-0.4632E-03	-0.4986E-03	-0.4315E-03	-0.4253E-03	-0.5177E-03
58	-0.5727E-03	-0.5027E-03	-0.3075E-03	-0.1572E-03	-0.1988E-03	-0.2975E-03	-0.3151E-03	-0.3829E-03	-0.4669E-03	-0.4479E-03
59	-0.3704E-03	-0.3074E-03	-0.3177E-03	-0.4056E-03	-0.4987E-03	-0.4062E-03	-0.4722E-03	-0.5594E-03	0.2962E-04	0.1425E-02
60	0.2373E-02	0.1364E-02	-0.2755E-03	-0.7601E-03	-0.4641E-03	-0.4174E-03	-0.5641E-03	-0.4748E-03	-0.3332E-03	-0.3968E-03

61	-0.5333E-03	-0.4184E-03	-0.3002E-03	-0.3628E-03	-0.4096E-03	-0.2503E-03	-0.1558E-03	-0.3566E-03	-0.4149E-03	-0.2557E-03
62	-0.4306E-03	-0.4846E-03	-0.4438E-03	-0.3701E-03	-0.3481E-03	-0.3167E-03	-0.2910E-03	-0.3030E-03	-0.2954E-03	-0.2826E-03
63	-0.2921E-03	-0.3070E-03	-0.2840E-03	-0.3675E-03	-0.4458E-03	-0.3784E-03	-0.2969E-03	-0.2640E-03	-0.2484E-03	-0.2997E-03
64	-0.3547E-03	-0.3416E-03	-0.3477E-03	-0.3360E-03	-0.2942E-03	-0.2338E-03	-0.2212E-03	-0.2638E-03	-0.2441E-03	-0.2129E-03
65	-0.4795E-03	-0.4690E-03	-0.3730E-03	-0.2924E-03	-0.2836E-03	-0.4098E-03	-0.5033E-03	-0.4469E-03	-0.3238E-03	-0.2637E-03
66	-0.3039E-03	-0.3366E-03	-0.2391E-03	-0.1919E-03	-0.2991E-03	-0.3688E-03	-0.3320E-03	-0.3040E-03	-0.3625E-03	-0.3574E-03
67	-0.2433E-03	-0.2308E-03	-0.3578E-03	-0.3468E-03	-0.3259E-03	-0.2639E-03	-0.3460E-04	-0.2995E-03	-0.9975E-03	-0.8465E-03
68	-0.3167E-03	-0.7607E-03	-0.9391E-03	-0.3861E-03	-0.2231E-03	-0.2291E-03	-0.1283E-03	-0.1556E-03	-0.2163E-03	-0.3260E-03
69	-0.4021E-03	-0.3116E-03	-0.2809E-03	-0.3482E-03	-0.3042E-03	-0.2229E-03	-0.3542E-03	-0.5070E-03	-0.3883E-03	-0.1575E-03
70	-0.7832E-04	-0.1655E-03	-0.2290E-03	-0.1990E-03	-0.2207E-03	-0.2391E-03	-0.2546E-03	-0.3158E-03	-0.3228E-03	-0.2901E-03
71	-0.2803E-03	-0.2899E-03	-0.3152E-03	-0.3733E-03	-0.3850E-03	-0.3422E-03	-0.3058E-03	-0.2968E-03	-0.3236E-03	-0.3173E-03
72	-0.2821E-03	-0.2905E-03	-0.3232E-03	-0.3302E-03	-0.2968E-03	-0.2548E-03	-0.2764E-03	-0.2887E-03	-0.2325E-03	-0.2773E-03
73	-0.3543E-03	-0.2792E-03	-0.1932E-03	-0.2217E-03	-0.3166E-03	-0.3765E-03	-0.1251E-03	0.1481E-03	-0.4971E-04	-0.2145E-03
74	-0.1683E-03	-0.1938E-03	-0.2202E-03	-0.1792E-03	-0.1301E-03	-0.2356E-03	-0.3354E-03	-0.2800E-03	-0.3009E-03	-0.3504E-03
75	-0.3316E-03	-0.3471E-03	-0.3633E-03	-0.2792E-03	-0.1849E-03	-0.3573E-03	-0.4157E-03	0.4101E-04	0.4199E-03	0.6455E-03
76	0.8346E-03	0.6357E-03	0.3145E-03	-0.1108E-03	-0.4267E-03	-0.3584E-03	-0.3774E-03	-0.4311E-03	-0.4138E-03	-0.4086E-03
77	-0.3115E-03	-0.2536E-03	-0.2750E-03	-0.2772E-03	-0.2943E-03	-0.2979E-03	-0.3101E-03	-0.3902E-03	-0.3847E-03	-0.3135E-03
78	-0.2360E-03	-0.1742E-03	-0.2329E-03	-0.2785E-03	-0.3036E-03	-0.3580E-03	-0.3893E-03	-0.4239E-03	-0.2796E-03	-0.2738E-03
79	-0.2733E-03	-0.3201E-03	-0.3749E-03	-0.4372E-03	-0.4314E-03	-0.3970E-03	-0.3572E-03	-0.3448E-03	-0.3544E-03	-0.3636E-03
80	-0.3693E-03	-0.3477E-03	-0.3369E-03	-0.3676E-03	-0.4105E-03	-0.4127E-03	-0.3526E-03	-0.2734E-03	-0.2722E-03	-0.3551E-03
81	-0.4319E-03	-0.4171E-03	-0.3383E-03	-0.3394E-03	-0.4095E-03	-0.4465E-03	-0.4528E-03	-0.4531E-03	-0.4800E-03	-0.5904E-03
82	-0.4684E-03	-0.3761E-03	-0.3226E-03	-0.3175E-03	-0.3020E-03	-0.3196E-03	-0.3552E-03	-0.4069E-03	-0.4666E-03	-0.4679E-03
83	-0.6505E-03	-0.6665E-03	-0.5926E-03	-0.6412E-03	-0.6979E-03	-0.6723E-03	-0.1106E-02	-0.1582E-02	-0.2268E-02	0.1598E-01
84	0.3734E-01	0.2082E-01	0.9122E-03	0.1599E-03	0.3546E-03	0.2424E-03	-0.3219E-05	-0.7677E-04	-0.1705E-04	0.2706E-04
85	-0.1681E-04	-0.1051E-03	-0.1425E-03	-0.1760E-03	-0.2251E-03	0.4061E-03	0.1028E-02	0.3389E-03	-0.3200E-03	-0.4831E-03
86	-0.6620E-03	-0.7411E-03	-0.7837E-03	-0.8018E-03	-0.1089E-02	-0.1493E-02	0.2413E-02	0.6467E-02	0.3754E-02	0.9775E-02
87	0.7404E-03	0.4071E-03	0.2465E-03	0.2007E-03	0.1838E-03	0.1143E-03	0.1248E-03	0.1293E-03	0.7927E-04	0.2563E-05
88	-0.4685E-04	-0.5513E-04	-0.4363E-04	-0.1580E-04	-0.9060E-05	-0.1299E-04	0.5960E-07	0.2384E-05	-0.1305E-04	-0.4488E-04
89	-0.1454E-03	-0.2344E-03	-0.1808E-03	-0.1007E-03	-0.8446E-04	-0.1090E-03	-0.1288E-03	-0.9143E-04	-0.1276E-03	-0.2253E-03
90	-0.2650E-03	-0.2173E-03	-0.1033E-03	-0.5895E-04	-0.1127E-03	-0.1243E-03	-0.1615E-04	0.1138E-04	-0.3695E-04	-0.5513E-04
91	-0.6193E-04	-0.6008E-04	-0.8839E-04	-0.8404E-04	-0.4625E-04	-0.4452E-04	-0.4458E-04	-0.7850E-04	-0.2651E-03	-0.2199E-03
92	0.2563E-05	-0.6431E-04	-0.5126E-05	0.1504E-03	-0.7349E-04	-0.2420E-03	-0.1819E-03	-0.2801E-03	-0.2853E-03	-0.1655E-03
93	-0.1317E-03	-0.9412E-04	-0.1396E-03	-0.2416E-03	-0.1644E-03	-0.1091E-04	-0.2712E-04	-0.1265E-03	-0.8184E-04	-0.6711E-04
94	-0.1410E-03	-0.1875E-03	-0.1654E-03	-0.9024E-04	-0.5013E-04	-0.3362E-04	-0.4619E-04	-0.1505E-03	-0.2479E-03	-0.2538E-03
95	-0.2360E-03	-0.1850E-03	-0.8970E-04	-0.7159E-04	-0.5001E-04	-0.6193E-04	-0.1453E-03	-0.1747E-03	-0.1615E-03	-0.1649E-03
96	-0.2159E-03	-0.2745E-03	-0.2302E-03	-0.1321E-03	-0.1595E-03	-0.1923E-03	-0.1296E-03	-0.1258E-03	-0.1660E-03	-0.1385E-03
97	-0.7153E-04	-0.6270E-04	-0.1048E-03	-0.1671E-03	-0.2472E-03	-0.2753E-03	-0.2149E-03	-0.1495E-03	-0.1676E-03	-0.2010E-03
98	-0.2131E-03	-0.2681E-03	-0.2894E-03	-0.1945E-03	-0.1042E-03	-0.1473E-03	-0.1556E-03	-0.1533E-03	-0.2556E-03	-0.2183E-03
99	-0.9131E-04	-0.1289E-03	-0.2276E-03	-0.2411E-03	-0.2202E-03	-0.3744E-03	-0.4940E-03	-0.2272E-03	0.7683E-04	0.4876E-03
100	0.7879E-03	0.4080E-03	0.1544E-04	-0.1264E-03	-0.2977E-03	-0.3639E-03	-0.3513E-03	-0.3177E-03	-0.3328E-03	-0.4106E-03
101	-0.4145E-03	-0.3756E-03	-0.4002E-03	-0.4401E-03	-0.6246E-03	0.2542E-02	0.6526E-02	0.3809E-02	0.2113E-03	0.4590E-05
102	0.6002E-04	0.4578E-04	-0.6115E-04	-0.1421E-03	-0.1708E-03	-0.1734E-03	-0.2251E-03	-0.3075E-03	-0.3333E-03	-0.3415E-03
103	-0.5265E-03	0.2686E-02	0.6646E-02	0.3808E-02	0.3045E-03	0.1413E-03	0.5841E-05	-0.3660E-04	0.1580E-04	-0.2348E-04
104	-0.1561E-03	-0.2283E-03	-0.1506E-03	-0.8243E-04	-0.1422E-03	-0.1321E-03	-0.3445E-04	-0.1138E-03	-0.2017E-03	-0.1447E-03
105	-0.1113E-03	-0.1042E-03	-0.7254E-04	-0.8285E-04	-0.1619E-03	-0.2001E-03	-0.1982E-03	-0.1884E-03	-0.1323E-03	-0.1026E-03
106	-0.1398E-03	-0.2102E-03	-0.2777E-03	-0.1962E-03	-0.2891E-04	-0.2283E-04	-0.6908E-04	-0.1168E-03	-0.2137E-03	-0.1751E-03
107	-0.8261E-04	-0.7492E-04	-0.6682E-04	-0.1219E-03	-0.1699E-03	-0.8112E-04	-0.6706E-04	-0.3026E-03	-0.5409E-03	-0.2771E-03
108	0.4905E-04	-0.3032E-03	-0.6248E-03	-0.3911E-03	-0.7784E-04	0.5424E-05	0.1436E-04	0.1955E-04	-0.1073E-05	-0.6688E-04
109	-0.1112E-03	-0.1372E-03	-0.1929E-03	-0.2498E-03	-0.2254E-03	-0.7981E-04	0.1147E-03	-0.7808E-04	-0.5859E-04	-0.9172E-04
110	-0.1276E-03	-0.1839E-03	-0.5387E-03	-0.8062E-03	-0.4368E-03	-0.1530E-03	-0.2287E-03	-0.2396E-03	-0.1448E-03	-0.8446E-04
111	-0.1107E-03	-0.1295E-03	-0.1481E-03	-0.1830E-03	-0.1341E-03	-0.1035E-03	-0.1352E-03	-0.1152E-03	-0.1115E-03	-0.1754E-03
112	-0.2398E-03	-0.2310E-03	-0.1889E-03	-0.1931E-03	-0.1870E-03	-0.9638E-04	-0.8863E-04	-0.1388E-03	-0.4965E-04	-0.6098E-04
113	-0.2210E-03	-0.2942E-03	-0.2663E-03	-0.2531E-03	-0.2391E-03	-0.1901E-03	-0.2355E-03	-0.2666E-03	-0.1866E-03	-0.1696E-03
114	-0.1581E-03	-0.1032E-03	-0.1768E-03	-0.2471E-03	-0.1969E-03	-0.1431E-03	-0.1268E-03	-0.1626E-03	-0.1483E-03	-0.1549E-03
115	-0.2398E-03	-0.2599E-03	-0.2624E-03	-0.2445E-03	-0.3263E-03	-0.4040E-03	-0.1430E-03	0.1365E-03	0.1178E-03	0.9041E-03
116	0.1837E-02	0.1058E-02	0.1113E-03	-0.1303E-03	-0.3498E-03	-0.3495E-03	-0.2626E-03	-0.3994E-03	-0.3158E-03	-0.1230E-03
117	-0.7743E-04	-0.1344E-03	-0.2057E-03	-0.2841E-03	-0.2596E-03	-0.1799E-03	-0.1622E-03	-0.1778E-03	-0.2233E-03	-0.2419E-03
118	-0.2060E-03	-0.2013E-03	-0.2459E-03	-0.2221E-03	-0.1029E-03	-0.8315E-04	-0.1665E-03	-0.1091E-03	-0.2221E-03	-0.2791E-03
119	-0.2903E-03	0.3350E-03	0.9286E-03	0.3536E-03	-0.2043E-03	-0.2179E-03	-0.1833E-03	-0.1624E-03	-0.2599E-03	-0.3087E-03
120	-0.2406E-03	-0.1651E-03	-0.1473E-03	-0.1729E-03	-0.2329E-03	-0.2556E-03	-0.3573E-03	-0.4881E-03	-0.3406E-03	-0.1119E-03

121	-0.9620E-04	-0.1318E-03	-0.1528E-03	-0.2723E-03	-0.3477E-03	-0.2804E-03	-0.2431E-03	-0.2207E-03	-0.1932E-03	-0.2015E-03
122	-0.2199E-03	-0.2375E-03	-0.2153E-03	-0.1854E-03	-0.1934E-03	-0.2024E-03	-0.2163E-03	-0.2320E-03	-0.1766E-03	-0.1654E-03
123	-0.2297E-03	-0.1597E-03	-0.1054E-03	-0.1843E-03	-0.2791E-03	-0.2967E-03	-0.2221E-03	-0.1942E-03	-0.2497E-03	-0.4661E-04
124	0.2126E-03	-0.9048E-04	-0.4222E-03	-0.3603E-03	-0.2005E-03	-0.1658E-03	-0.2480E-03	-0.2125E-03	-0.1175E-03	-0.1020E-03
125	-0.6503E-04	-0.5615E-04	-0.1733E-03	-0.2741E-03	-0.2590E-03	-0.1752E-03	-0.1613E-03	-0.2513E-03	-0.3553E-03	-0.3333E-03
126	-0.2053E-03	-0.7415E-03	-0.1621E-03	-0.1969E-03	-0.1804E-03	-0.1898E-03	-0.2463E-03	-0.2041E-03	-0.1767E-03	-0.2478E-03
127	-0.2630E-03	-0.2772E-03	-0.3369E-03	-0.3416E-03	-0.3493E-03	-0.3837E-03	-0.3104E-03	-0.2438E-03	-0.2847E-03	-0.2850E-03
128	-0.2576E-03									

DURATION IN S.: 33.666031

IDPLOT = 00002 RANGE WARNING

	0	1	2	3	4	5	6	7	8	9
0	-0.1072E 00	-0.1073E 00	-0.1076E 00	-0.1081E 00	-0.1087E 00	-0.1094E 00	-0.1106E 00	-0.1087E 00	-0.1058E 00	-0.1100E 00
1	-0.1154E 00	-0.1176E 00	-0.1226E 00	-0.1278E 00	-0.1260E 00	-0.1246E 00	-0.1280E 00	-0.1319E 00	-0.1357E 00	-0.1400E 00
2	-0.1446E 00	-0.1502E 00	-0.1559E 00	-0.1630E 00	-0.1705E 00	-0.1796E 00	-0.1893E 00	-0.2016E 00	-0.2148E 00	-0.2324E 00
3	-0.2512E 00	-0.2780E 00	-0.3069E 00	-0.3517E 00	-0.4005E 00	-0.4929E 00	-0.5841E 00	-0.8828E 00	-0.9325E 00	-0.3197E 03
4	0.6396E 03	0.3199E 03	0.8614E 00	0.8222E 00	0.5272E 00	0.4388E 00	0.3479E 00	0.3002E 00	0.2548E 00	0.2257E 00
5	0.1987E 00	0.1797E 00	0.1619E 00	0.1484E 00	0.1358E 00	0.1259E 00	0.1166E 00	0.1088E 00	0.1016E 00	0.9562E-01
6	0.8985E-01	0.8496E-01	0.8035E-01	0.7633E-01	0.7232E-01	0.6886E-01	0.6562E-01	0.6269E-01	0.5984E-01	0.5740E-01
7	0.5506E-01	0.5300E-01	0.5090E-01	0.4888E-01	0.4696E-01	0.4524E-01	0.4361E-01	0.4213E-01	0.4069E-01	0.3939E-01
8	0.3810E-01	0.3700E-01	0.3592E-01	0.3485E-01	0.3381E-01	0.3276E-01	0.3173E-01	0.3090E-01	0.3011E-01	0.2937E-01
9	0.2848E-01	0.2777E-01	0.2709E-01	0.2639E-01	0.2573E-01	0.2512E-01	0.2454E-01	0.2396E-01	0.2336E-01	0.2282E-01
10	0.2241E-01	0.2191E-01	0.2143E-01	0.2106E-01	0.2060E-01	0.2005E-01	0.1956E-01	0.1915E-01	0.1881E-01	0.1860E-01
11	0.1829E-01	0.1787E-01	0.1743E-01	0.1710E-01	0.1681E-01	0.1663E-01	0.1639E-01	0.1630E-01	0.1633E-01	0.1733E-01
12	0.1330E-01	0.1670E-01	0.1776E-01	0.1485E-01	0.1433E-01	0.1399E-01	0.1368E-01	0.1351E-01	0.1328E-01	0.1296E-01
13	0.1276E-01	0.1264E-01	0.1240E-01	0.1212E-01	0.1188E-01	0.1176E-01	0.1161E-01	0.1134E-01	0.1115E-01	0.1109E-01
14	0.1086E-01	0.1062E-01	0.1054E-01	0.1046E-01	0.1028E-01	0.1010E-01	0.1001E-01	0.9891E-02	0.9664E-02	0.9466E-02
15	0.9378E-02	0.9305E-02	0.9306E-02	0.9399E-02	0.9282E-02	0.9058E-02	0.8912E-02	0.8803E-02	0.8682E-02	0.8552E-02
16	0.8418E-02	0.8296E-02	0.8204E-02	0.8112E-02	0.8026E-02	0.7919E-02	0.7804E-02	0.8262E-02	0.8754E-02	0.8198E-02
17	0.7611E-02	0.7519E-02	0.7430E-02	0.7347E-02	0.7237E-02	0.7090E-02	0.6971E-02	0.6917E-02	0.6833E-02	0.6736E-02
18	0.6703E-02	0.6607E-02	0.6490E-02	0.6503E-02	0.6465E-02	0.6310E-02	0.6224E-02	0.6192E-02	0.6120E-02	0.6042E-02
19	0.6000E-02	0.5947E-02	0.5901E-02	0.5816E-02	0.5721E-02	0.5533E-02	0.5551E-02	0.4920E-02	0.4894E-02	0.4825E-02
20	0.1473E-01	0.1011E-01	0.4852E-02	0.4860E-02	0.5278E-02	0.5077E-02	0.5022E-02	0.4910E-02	0.5008E-02	0.5065E-02
21	0.5021E-02	0.4899E-02	0.4818E-02	0.4840E-02	0.4845E-02	0.4752E-02	0.4652E-02	0.4593E-02	0.4555E-02	0.4571E-02
22	0.4636E-02	0.4615E-02	0.4454E-02	0.4363E-02	0.4386E-02	0.4332E-02	0.4257E-02	0.4257E-02	0.3988E-02	0.3688E-02
23	0.3933E-02	0.4132E-02	0.4058E-02	0.4079E-02	0.4088E-02	0.4022E-02	0.3960E-02	0.3964E-02	0.3969E-02	0.3937E-02
24	0.3877E-02	0.3805E-02	0.3735E-02	0.3663E-02	0.3669E-02	0.3763E-02	0.3732E-02	0.3539E-02	0.3446E-02	0.3498E-02
25	0.3491E-02	0.3417E-02	0.3383E-02	0.3411E-02	0.3500E-02	0.3510E-02	0.3396E-02	0.3308E-02	0.3314E-02	0.3370E-02
26	0.3315E-02	0.3211E-02	0.3183E-02	0.3169E-02	0.3192E-02	0.3145E-02	0.3064E-02	0.3077E-02	0.3097E-02	0.3048E-02
27	0.2975E-02	0.2976E-02	0.3071E-02	0.3129E-02	0.3152E-02	0.3041E-02	0.2883E-02	0.3217E-02	0.1791E-02	0.5932E-03
28	0.1213E-02	0.6818E-03	0.1695E-02	0.2929E-02	0.2545E-02	0.2634E-02	0.2706E-02	0.2665E-02	0.2699E-02	0.2750E-02
29	0.2715E-02	0.2586E-02	0.2504E-02	0.2552E-02	0.2566E-02	0.2536E-02	0.2523E-02	0.2473E-02	0.2478E-02	0.2526E-02
30	0.2565E-02	0.2592E-02	0.2540E-02	0.2463E-02	0.2438E-02	0.2404E-02	0.2358E-02	0.2401E-02	0.2504E-02	0.2519E-02
31	0.2476E-02	0.2409E-02	0.2340E-02	0.2311E-02	0.2303E-02	0.2301E-02	0.2248E-02	0.2170E-02	0.2160E-02	0.2204E-02
32	0.2257E-02	0.2280E-02	0.2258E-02	0.2205E-02	0.2151E-02	0.2161E-02	0.2132E-02	0.2022E-02	0.1991E-02	0.2012E-02
33	0.2019E-02	0.2016E-02	0.2004E-02	0.2018E-02	0.2063E-02	0.2088E-02	0.2086E-02	0.2063E-02	0.2045E-02	0.2047E-02
34	0.1985E-02	0.1985E-02	0.2096E-02	0.2657E-02	0.3126E-02	0.2514E-02	0.1921E-02	0.1854E-02	0.1845E-02	0.1860E-02
35	0.1852E-02	0.1904E-02	0.1942E-02	0.1978E-02	0.1967E-02	0.1966E-02	0.1837E-02	0.2048E-02	0.3482E-02	0.5623E-02
36	0.6664E-02	0.5313E-02	0.3010E-02	0.1754E-02	0.1692E-02	0.1758E-02	0.1680E-02	0.1671E-02	0.1720E-02	0.1733E-02
37	0.1740E-02	0.1827E-02	0.1715E-02	0.1595E-02	0.1588E-02	0.1697E-02	0.1782E-02	0.1665E-02	0.1635E-02	0.1625E-02
38	0.1445E-02	0.1419E-02	0.1592E-02	0.1649E-02	0.1582E-02	0.1539E-02	0.1521E-02	0.1530E-02	0.1577E-02	0.1546E-02
39	0.1484E-02	0.1565E-02	0.1642E-02	0.1552E-02	0.1464E-02	0.1530E-02	0.1568E-02	0.1444E-02	0.1398E-02	0.1489E-02
40	0.1567E-02	0.1545E-02	0.1490E-02	0.1505E-02	0.1478E-02	0.1405E-02	0.1334E-02	0.1358E-02	0.1470E-02	0.1489E-02
41	0.1480E-02	0.1475E-02	0.1441E-02	0.1409E-02	0.1413E-02	0.1467E-02	0.1471E-02	0.1427E-02	0.1353E-02	0.1245E-02
42	0.1258E-02	0.1383E-02	0.1455E-02	0.1480E-02	0.1414E-02	0.1317E-02	0.1331E-02	0.1324E-02	0.1243E-02	0.1264E-02
43	0.1402E-02	0.1463E-02	0.1358E-02	0.1298E-02	0.1284E-02	0.1228E-02	0.1342E-02	0.8518E-03	0.1176E-03	0.1337E-02
44	0.2637E-02	0.1214E-02	-0.6723E-04	0.6264E-03	0.1163E-02	0.1156E-02	0.1194E-02	0.1180E-02	0.1180E-02	0.1081E-02
45	0.9926E-03	0.1071E-02	0.1140E-02	0.1136E-02	0.1146E-02	0.1245E-02	0.1312E-02	0.1225E-02	0.1148E-02	0.1068E-02
46	0.9782E-03	0.1036E-02	0.1124E-02	0.1113E-02	0.1106E-02	0.1127E-02	0.1083E-02	0.1053E-02	0.8811E-03	0.6585E-03
47	0.8804E-03	0.1231E-02	0.1287E-02	0.1136E-02	0.9732E-03	0.9893E-03	0.1078E-02	0.1068E-02	0.1068E-02	0.1084E-02
48	0.1068E-02	0.1028E-02	0.1016E-02	0.1060E-02	0.1073E-02	0.1017E-02	0.9520E-03	0.8983E-03	0.8620E-03	0.9028E-03
49	0.9301E-03	0.8781E-03	0.9031E-03	0.9670E-03	0.1007E-02	0.1068E-02	0.1032E-02	0.9177E-03	0.8410E-03	0.8296E-03
50	0.8571E-03	0.8325E-03	0.5511E-03	0.3749E-02	0.7791E-02	0.4932E-02	0.1287E-02	0.1134E-02	0.1114E-02	0.1087E-02
51	0.1108E-02	0.1029E-02	0.9785E-03	0.1019E-02	0.1064E-02	0.9657E-03	0.8917E-03	0.1256E-02	0.9623E-03	0.9922E-02
52	0.6131E-02	0.4277E-02	0.1917E-02	0.1625E-02	0.1152E-02	0.1191E-02	0.1183E-02	0.1124E-02	0.1087E-02	0.9975E-03
53	0.9640E-03	0.9385E-03	0.9765E-03	0.1069E-02	0.1065E-02	0.9533E-03	0.9834E-03	0.1096E-02	0.9996E-03	0.8890E-03
54	0.1062E-02	0.1180E-02	0.9902E-03	0.8132E-03	0.8534E-03	0.9475E-03	0.9324E-03	0.9031E-03	0.9260E-03	0.9263E-03
55	0.9109E-03	0.9574E-03	0.1016E-02	0.9544E-03	0.8573E-03	0.8360E-03	0.8363E-03	0.8516E-03	0.9163E-03	0.9173E-03
56	0.8537E-03	0.8837E-03	0.9220E-03	0.8864E-03	0.8672E-03	0.8479E-03	0.8157E-03	0.8316E-03	0.7906E-03	0.7107E-03
57	0.7302E-03	0.7585E-03	0.8045E-03	0.8718E-03	0.8724E-03	0.8599E-03	0.8372E-03	0.8113E-03	0.9040E-03	0.7036E-02
58	0.9973E-03	0.8880E-03	0.8151E-03	0.8228E-03	0.9492E-03	0.9157E-03	0.7710E-03	0.7602E-03	0.7582E-03	0.6949E-03
59	0.6595E-03	0.6828E-03	0.7615E-03	0.7963E-03	0.7194E-03	0.6998E-03	0.5029E-03	0.3785E-03	0.1106E-02	0.2673E-02
60	0.3586E-02	0.2658E-02	0.1237E-02	0.6189E-03	0.7441E-03	0.8318E-03	0.6844E-03	0.6950E-02	0.7089E-03	0.7935E-03

61	0.8547E-03	0.7432E-03	0.7100E-03	0.8077E-03	0.8230E-03	0.8433E-03	0.9666E-03	0.9481E-03	0.7910E-03	0.7290E-03
62	0.7440E-03	0.6962E-03	0.6789E-03	0.6880E-03	0.6413E-03	0.6508E-03	0.7176E-03	0.7605E-03	0.6944E-03	0.5915E-03
63	0.5950E-03	0.6858E-03	0.7759E-03	0.7727E-03	0.7442E-03	0.7304E-03	0.7148E-03	0.7306E-03	0.7300E-03	0.7478E-03
64	0.7996E-03	0.8330E-03	0.7698E-03	0.6621E-03	0.6859E-03	0.7398E-03	0.7026E-03	0.6610E-03	0.6275E-03	0.6254E-03
65	0.7333E-03	0.8163E-03	0.7948E-03	0.7628E-03	0.7203E-03	0.6672E-03	0.6274E-03	0.6426E-03	0.6830E-03	0.6130E-03
66	0.5569E-03	0.6571E-03	0.7241E-03	0.6282E-03	0.5944E-03	0.6831E-03	0.7223E-03	0.7127E-03	0.6372E-03	0.5553E-03
67	0.5779E-03	0.6903E-03	0.7146E-03	0.6929E-03	0.6483E-03	0.5455E-03	0.6416E-03	0.4969E-03	-0.1155E-03	0.1531E-03
68	0.6989E-03	0.2897E-04	-0.1092E-03	0.6374E-03	0.7757E-03	0.6791E-03	0.7870E-03	0.7704E-03	0.6663E-03	0.6883E-03
69	0.7260E-03	0.6599E-03	0.6012E-03	0.5587E-03	0.6146E-03	0.7423E-03	0.6818E-03	0.5787E-03	0.5726E-03	0.5608E-03
70	0.4358E-03	0.3722E-03	0.5867E-03	0.7073E-03	0.6160E-03	0.5872E-03	0.6192E-03	0.6824E-03	0.7133E-03	0.7021E-03
71	0.6908E-03	0.7156E-03	0.7714E-03	0.7496E-03	0.6434E-03	0.5231E-03	0.4933E-03	0.5537E-03	0.5878E-03	0.6217E-03
72	0.6854E-03	0.6778E-03	0.5741E-03	0.5112E-03	0.6166E-03	0.7505E-03	0.6810E-03	0.5627E-03	0.5489E-03	0.5484E-03
73	0.5702E-03	0.6211E-03	0.6353E-03	0.6078E-03	0.6117E-03	0.6031E-03	0.7738E-03	0.9582E-03	0.5882E-03	0.1729E-03
74	0.2344E-03	0.4015E-03	0.4398E-03	0.4857E-03	0.5507E-03	0.5555E-03	0.5981E-03	0.6276E-03	0.5584E-03	0.5269E-03
75	0.5347E-03	0.5131E-03	0.4469E-03	0.3820E-03	0.4124E-03	0.3166E-03	0.3572E-03	0.8489E-03	0.1138E-02	0.1468E-02
76	0.1831E-02	0.1477E-02	0.1120E-02	0.8523E-03	0.4661E-03	0.4474E-03	0.5006E-03	0.4880E-03	0.4728E-03	0.3859E-03
77	0.4272E-03	0.5639E-03	0.5767E-03	0.4792E-03	0.4596E-03	0.5417E-03	0.5833E-03	0.5452E-03	0.4792E-03	0.4408E-03
78	0.4989E-03	0.5964E-03	0.5789E-03	0.4851E-03	0.4775E-03	0.4919E-03	0.4798E-03	0.4923E-03	0.4817E-03	0.5060E-03
79	0.5081E-03	0.5289E-03	0.6265E-03	0.6177E-03	0.5089E-03	0.4401E-03	0.4113E-03	0.3935E-03	0.4160E-03	0.4275E-03
80	0.4196E-03	0.4146E-03	0.3750E-03	0.3269E-03	0.3386E-03	0.4469E-03	0.5075E-03	0.4702E-03	0.3802E-03	0.3530E-03
81	0.4258E-03	0.4773E-03	0.4703E-03	0.4164E-03	0.3952E-03	0.3975E-03	0.3899E-03	0.3412E-03	0.2985E-03	0.3666E-03
82	0.3786E-03	0.2944E-03	0.2630E-03	0.2995E-03	0.3096E-03	0.2894E-03	0.3052E-03	0.3094E-03	0.2781E-03	0.2629E-03
83	0.2830E-03	0.2695E-03	0.2027E-03	0.1289E-03	0.5698E-04	0.1098E-03	-0.1018E-03	-0.5381E-03	-0.1405E-02	0.1699E-01
84	0.3848E-01	0.2166E-01	0.1544E-02	0.7816E-03	0.9688E-03	0.8474E-03	0.5658E-03	0.5110E-03	0.5929E-03	0.5361E-03
85	0.4236E-03	0.4403E-03	0.4747E-03	0.4495E-03	0.4478E-03	0.1013E-02	0.1581E-02	0.9265E-03	0.2545E-03	0.2779E-03
86	0.3046E-03	0.2567E-03	0.8929E-04	-0.8875E-04	-0.5128E-03	-0.9583E-03	0.3292E-02	0.7601E-02	0.4498E-02	0.1408E-02
87	0.1206E-02	0.1027E-02	0.1026E-02	0.9572E-03	0.8910E-03	0.8976E-03	0.6662E-03	0.7241E-03	0.6652E-03	0.6589E-03
88	0.6788E-03	0.7138E-03	0.7010E-03	0.6282E-03	0.5652E-03	0.6213E-03	0.6703E-03	0.6250E-03	0.5510E-03	0.5229E-03
89	0.5581E-03	0.5684E-03	0.5724E-03	0.5658E-03	0.5203E-03	0.5112E-03	0.5574E-03	0.5410E-03	0.5540E-03	0.6775E-03
90	0.6247E-03	0.4820E-03	0.5442E-03	0.6187E-03	0.5807E-03	0.5484E-03	0.5620E-03	0.5763E-03	0.5608E-03	0.5175E-03
91	0.5257E-03	0.5581E-03	0.5449E-03	0.6212E-03	0.5858E-03	0.4595E-03	0.6679E-03	0.8209E-03	0.5678E-03	0.6549E-03
92	0.9075E-03	0.6006E-03	0.4337E-03	0.5691E-03	0.4759E-03	0.3477E-03	0.3104E-03	0.2623E-03	0.3639E-03	0.5145E-03
93	0.5049E-03	0.4708E-03	0.4219E-03	0.3622E-03	0.4517E-03	0.5636E-03	0.4623E-03	0.3219E-03	0.3784E-03	0.5074E-03
94	0.4430E-03	0.3549E-03	0.4852E-03	0.5386E-03	0.4169E-03	0.3950E-03	0.4631E-03	0.4684E-03	0.4544E-03	0.4780E-03
95	0.4849E-03	0.6048E-03	0.7480E-03	0.6183E-03	0.4618E-03	0.4551E-03	0.4522E-03	0.4169E-03	0.4032E-03	0.4272E-03
96	0.4389E-03	0.4399E-03	0.4696E-03	0.4967E-03	0.4449E-03	0.3841E-03	0.3483E-03	0.3949E-03	0.4793E-03	0.3525E-03
97	0.2090E-03	0.2308E-03	0.2866E-03	0.3622E-03	0.3991E-03	0.3744E-03	0.3979E-03	0.4346E-03	0.3429E-03	0.2176E-03
98	0.2379E-03	0.3310E-03	0.4547E-03	0.5882E-03	0.5706E-03	0.4880E-03	0.4910E-03	0.4705E-03	0.3792E-03	0.3076E-03
99	0.2469E-03	0.2596E-03	0.3192E-03	0.3246E-03	0.3164E-03	0.2587E-03	0.2313E-03	0.3715E-03	0.5645E-03	0.1056E-02
100	0.1479E-02	0.1065E-02	0.5345E-03	0.2949E-03	0.2093E-03	0.2568E-03	0.1923E-03	0.1782E-03	0.2300E-03	0.2406E-03
101	0.2953E-03	0.3186E-03	0.2546E-03	0.1904E-03	-0.3636E-05	0.3249E-02	0.7178E-02	0.4279E-02	0.7458E-03	0.5983E-03
102	0.4668E-03	0.3594E-03	0.3994E-03	0.4027E-03	0.3445E-03	0.3594E-03	0.3531E-03	0.2955E-03	0.3309E-03	0.3653E-03
103	0.1085E-03	0.3309E-02	0.7338E-02	0.4459E-02	0.7967E-03	0.5960E-03	0.5903E-03	0.5976E-03	0.6006E-03	0.5664E-03
104	0.4809E-03	0.4269E-03	0.4637E-03	0.5044E-03	0.4699E-03	0.3662E-03	0.2886E-03	0.3657E-03	0.5216E-03	0.4759E-03
105	0.3849E-03	0.4035E-03	0.3909E-03	0.4194E-03	0.4650E-03	0.4184E-03	0.4214E-03	0.4018E-03	0.4497E-03	0.3108E-03
106	0.2997E-03	0.3877E-03	0.5118E-03	0.6240E-03	0.5701E-03	0.4497E-03	0.4002E-03	0.3551E-03	0.3726E-03	0.4050E-03
107	0.3582E-03	0.3867E-03	0.4552E-03	0.4233E-03	0.4860E-03	0.6827E-03	0.5538E-03	0.1128E-03	-0.7826E-04	0.2870E-03
108	0.6153E-03	0.2643E-03	-0.2456E-04	0.1862E-03	0.4780E-03	0.5646E-03	0.4952E-03	0.4902E-03	0.4937E-03	0.4248E-03
109	0.4797E-03	0.6351E-03	0.5456E-03	0.3858E-03	0.4150E-03	0.5941E-03	0.5932E-03	0.3266E-03	0.3287E-03	0.4681E-03
110	0.4752E-03	0.4721E-03	0.1449E-03	-0.1419E-03	0.1055E-03	0.2722E-03	0.2632E-03	0.3284E-03	0.3935E-03	0.3941E-03
111	0.3032E-03	0.3614E-03	0.4770E-03	0.3941E-03	0.3074E-03	0.3713E-03	0.3362E-03	0.3565E-03	0.3828E-03	0.3899E-03
112	0.3674E-03	0.3790E-03	0.3927E-03	0.3406E-03	0.3178E-03	0.3037E-03	0.2849E-03	0.4874E-03	0.6621E-03	0.5200E-03
113	0.4297E-03	0.4154E-03	0.3621E-03	0.3556E-03	0.3306E-03	0.3194E-03	0.3755E-03	0.3987E-03	0.4286E-03	0.5044E-03
114	0.4306E-03	0.3468E-03	0.4097E-03	0.4540E-03	0.4317E-03	0.3827E-03	0.3014E-03	0.2408E-03	0.3086E-03	0.3873E-03
115	0.3831E-03	0.3073E-03	0.2170E-03	0.2878E-03	0.3287E-03	0.1917E-03	0.1700E-03	0.3841E-03	0.6183E-03	0.1523E-02
116	0.2364E-02	0.1590E-02	0.8271E-03	0.6975E-03	0.2792E-03	0.9090E-04	0.2513E-03	0.2499E-03	0.1873E-03	0.2040E-03
117	0.2391E-03	0.3825E-03	0.3995E-03	0.2556E-03	0.2676E-03	0.3770E-03	0.2790E-03	0.1273E-03	0.2180E-03	0.3396E-03
118	0.3675E-03	0.4011E-03	0.4010E-03	0.3605E-03	0.2663E-03	0.1919E-03	0.2481E-03	0.3468E-03	0.4384E-03	0.4596E-03
119	0.3719E-03	0.9710E-03	0.1652E-02	0.1026E-02	0.3349E-03	0.2741E-03	0.2410E-03	0.2351E-03	0.2354E-03	0.2711E-03
120	0.3327E-03	0.3601E-03	0.3599E-03	0.3159E-03	0.3014E-03	0.3128E-03	0.2456E-03	0.2534E-03	0.3185E-03	0.2974E-03

121	0.2535E-03	0.2086E-03	0.2313E-03	0.2963E-03	0.3136E-03	0.3164E-03	0.3701E-03	0.3753E-03	0.3337E-03	0.3890E-03
122	0.3386E-03	0.2476E-03	0.3471E-03	0.4458E-03	0.4586E-03	0.4222E-03	0.3891E-03	0.3917E-03	0.3056E-03	0.2804E-03
123	0.3824E-03	0.3602E-03	0.2964E-03	0.3093E-03	0.3609E-03	0.3706E-03	0.2567E-03	0.9716E-04	0.6026E-04	0.3299E-03
124	0.5163E-03	0.2548E-03	0.1128E-03	0.3090E-03	0.4183E-03	0.3558E-03	0.2857E-03	0.2888E-03	0.2365E-03	0.1693E-03
125	0.2164E-03	0.2487E-03	0.2949E-03	0.3135E-03	0.2786E-03	0.3610E-03	0.4143E-03	0.3475E-03	0.3167E-03	0.3155E-03
126	0.2782E-03	0.2572E-03	0.3048E-03	0.3027E-03	0.2240E-03	0.2565E-03	0.3145E-03	0.2831E-03	0.2843E-03	0.3012E-03
127	0.2653E-03	0.2638E-03	0.3855E-03	0.4337E-03	0.3419E-03	0.2843E-03	0.2528E-03	0.2336E-03	0.2223E-03	0.2573E-03
128	0.3059E-03									

DURATION IN S.: 31.848953

IDPLOT = 00003 RANGE WARNING

C CROSS POWER SPECTRAL DENSITY FUNCTIONS.CHANMRLS: 5 AND 8

	0	1	2	3	4	5	6	7	8	9
0	0.1337E-01	0.1337E-01	0.1344E-01	0.1348E-01	0.1358E-01	0.1362E-01	0.1376E-01	0.1389E-01	0.1407E-01	0.1415E-01
1	0.1432E-01	0.1451E-01	0.1479E-01	0.1501E-01	0.1539E-01	0.1568E-01	0.1608E-01	0.1638E-01	0.1688E-01	0.1730E-01
2	0.1799E-01	0.1853E-01	0.1936E-01	0.1999E-01	0.2109E-01	0.2194E-01	0.2340E-01	0.2453E-01	0.2669E-01	0.2819E-01
3	0.3124E-01	0.3329E-01	0.3830E-01	0.4130E-01	0.5051E-01	0.5513E-01	0.7745E-01	0.8518E-01	0.1869E 00	0.3740E 00
4	0.1421E-01	-0.3564E 00	-0.1802E 00	-0.7855E-01	-0.7079E-01	-0.4851E-01	-0.4382E-01	-0.3456E-01	-0.3155E-01	-0.2651E-01
5	-0.2441E-01	-0.2133E-01	-0.1984E-01	-0.1770E-01	-0.1654E-01	-0.1505E-01	-0.1416E-01	-0.1298E-01	-0.1229E-01	-0.1142E-01
6	-0.1081E-01	-0.1011E-01	-0.9678E-02	-0.9102E-02	-0.8687E-02	-0.8212E-02	-0.7885E-02	-0.7470E-02	-0.7168E-02	-0.6820E-02
7	-0.6524E-02	-0.6247E-02	-0.6048E-02	-0.5765E-02	-0.5551E-02	-0.5338E-02	-0.5184E-02	-0.4988E-02	-0.4795E-02	-0.4577E-02
8	-0.4400E-02	-0.4261E-02	-0.4158E-02	-0.4029E-02	-0.3953E-02	-0.3813E-02	-0.3673E-02	-0.3597E-02	-0.3516E-02	-0.3390E-02
9	-0.3374E-02	-0.3221E-02	-0.3135E-02	-0.3051E-02	-0.2964E-02	-0.2894E-02	-0.2867E-02	-0.2784E-02	-0.2649E-02	-0.2560E-02
10	-0.2540E-02	-0.2500E-02	-0.2442E-02	-0.2372E-02	-0.2325E-02	-0.2281E-02	-0.2238E-02	-0.2181E-02	-0.2143E-02	-0.2113E-02
11	-0.2068E-02	-0.2004E-02	-0.1979E-02	-0.1973E-02	-0.1919E-02	-0.1886E-02	-0.1903E-02	-0.1863E-02	-0.1820E-02	-0.1723E-02
12	-0.1637E-02	-0.1661E-02	-0.1645E-02	-0.1619E-02	-0.1600E-02	-0.2964E-02	-0.1548E-02	-0.1491E-02	-0.1435E-02	-0.1444E-02
13	-0.1435E-02	-0.1361E-02	-0.1308E-02	-0.1296E-02	-0.1294E-02	-0.1284E-02	-0.1248E-02	-0.1224E-02	-0.1249E-02	-0.1276E-02
14	-0.1264E-02	-0.1225E-02	-0.1181E-02	-0.1130E-02	-0.1146E-02	-0.1182E-02	-0.1134E-02	-0.1103E-02	-0.1088E-02	-0.1053E-02
15	-0.1068E-02	-0.1082E-02	-0.1071E-02	-0.1057E-02	-0.1017E-02	-0.9794E-03	-0.9681E-03	-0.9598E-03	-0.9783E-03	-0.1006E-02
16	-0.1006E-02	-0.9651E-03	-0.9196E-03	-0.8959E-03	-0.8493E-03	-0.8349E-03	-0.8388E-03	-0.7573E-03	-0.7137E-03	-0.7530E-03
17	-0.7729E-03	-0.7800E-03	-0.7673E-03	-0.7218E-03	-0.7094E-03	-0.7177E-03	-0.7076E-03	-0.7013E-03	-0.7302E-03	-0.7590E-03
18	-0.7189E-03	-0.6719E-03	-0.7097E-03	-0.7166E-03	-0.6591E-03	-0.6274E-03	-0.5969E-03	-0.6018E-03	-0.6471E-03	-0.6692E-03
19	-0.6698E-03	-0.6583E-03	-0.6178E-03	-0.5820E-03	-0.6138E-03	-0.6297E-03	-0.6159E-03	-0.6299E-03	-0.5704E-03	-0.4387E-03
20	-0.3905E-03	-0.4841E-03	-0.5666E-03	-0.5165E-03	-0.4839E-03	-0.5052E-03	-0.5121E-03	-0.5327E-03	-0.5664E-03	-0.5928E-03
21	-0.6022E-03	-0.5789E-03	-0.5375E-03	-0.5087E-03	-0.5087E-03	-0.4549E-03	-0.4820E-03	-0.5571E-03	-0.5115E-03	-0.4659E-03
22	-0.5276E-03	-0.5084E-03	-0.4459E-03	-0.4693E-03	-0.4649E-03	-0.4695E-03	-0.4972E-03	-0.4467E-03	-0.4208E-03	-0.4264E-03
23	-0.4393E-03	-0.4541E-03	-0.4805E-03	-0.4764E-03	-0.4512E-03	-0.4240E-03	-0.3814E-03	-0.3678E-03	-0.3647E-03	-0.3783E-03
24	-0.3236E-03	-0.3347E-03	-0.3671E-03	-0.3871E-03	-0.3783E-03	-0.3576E-03	-0.3751E-03	-0.4285E-03	-0.4303E-03	-0.3907E-03
25	-0.3698E-03	-0.3484E-03	-0.3303E-03	-0.3682E-03	-0.4288E-03	-0.4477E-03	-0.4112E-03	-0.3825E-03	-0.3918E-03	-0.3864E-03
26	-0.3981E-03	-0.3969E-03	-0.3241E-03	-0.2912E-03	-0.3324E-03	-0.3503E-03	-0.3430E-03	-0.3472E-03	-0.3481E-03	-0.3042E-03
27	-0.2711E-03	-0.3183E-03	-0.3623E-03	-0.3421E-03	-0.2992E-03	-0.2867E-03	-0.2528E-03	-0.2158E-03	-0.2307E-03	-0.2674E-03
28	-0.1573E-03	-0.2071E-03	-0.3204E-03	-0.3284E-03	-0.2984E-03	-0.3071E-03	-0.3092E-03	-0.2936E-03	-0.2214E-03	-0.1498E-03
29	-0.1579E-03	-0.2085E-03	-0.2615E-03	-0.2784E-03	-0.2702E-03	-0.2907E-03	-0.2783E-03	-0.2475E-03	-0.2851E-03	-0.2844E-03
30	-0.2075E-03	-0.2209E-03	-0.2640E-03	-0.2364E-03	-0.2553E-03	-0.2430E-03	-0.1985E-03	-0.2260E-03	-0.2200E-03	-0.1961E-03
31	-0.2177E-03	-0.2517E-03	-0.2473E-03	-0.2412E-03	-0.2545E-03	-0.2272E-03	-0.2199E-03	-0.2290E-03	-0.2267E-03	-0.2708E-03
32	-0.3002E-03	-0.2819E-03	-0.2696E-03	-0.2582E-03	-0.2580E-03	-0.2694E-03	-0.2408E-03	-0.1996E-03	-0.1848E-03	-0.1982E-03
33	-0.2214E-03	-0.2240E-03	-0.1992E-03	-0.1661E-03	-0.1883E-03	-0.2187E-03	-0.1973E-03	-0.1556E-03	-0.1509E-03	-0.1723E-03
34	-0.1647E-03	-0.1782E-03	-0.2201E-03	-0.2433E-03	-0.2218E-03	-0.1881E-03	-0.1978E-03	-0.2035E-03	-0.1714E-03	-0.1498E-03
35	-0.1529E-03	-0.1415E-03	-0.1462E-03	-0.1584E-03	-0.1461E-03	-0.1282E-03	-0.1562E-03	-0.2083E-03	-0.1471E-03	-0.9493E-04
36	-0.1548E-03	-0.1874E-03	-0.2184E-03	-0.2548E-03	-0.2133E-03	-0.1695E-03	-0.1418E-03	-0.1180E-03	-0.1617E-03	-0.2017E-03
37	-0.2023E-03	-0.2190E-03	-0.1816E-03	-0.1269E-03	-0.1475E-03	-0.1730E-03	-0.1730E-03	-0.1587E-03	-0.1392E-03	-0.1205E-03
38	-0.1032E-03	-0.1093E-03	-0.1475E-03	-0.1779E-03	-0.1171E-03	-0.5245E-04	-0.9632E-04	-0.1741E-03	-0.2144E-03	-0.2072E-03
39	-0.1610E-03	-0.1112E-03	-0.1139E-03	-0.1248E-03	-0.1205E-03	-0.1614E-03	-0.1849E-03	-0.1569E-03	-0.1392E-03	-0.9544E-04
40	-0.5941E-04	-0.8838E-04	-0.1067E-03	-0.1092E-03	-0.1111E-03	-0.1169E-03	-0.1610E-03	-0.2221E-03	-0.2641E-03	-0.2704E-03
41	-0.1488E-03	-0.1431E-03	-0.1759E-03	-0.1994E-03	-0.1539E-03	-0.1011E-03	-0.1189E-03	-0.1518E-03	-0.1025E-03	-0.5750E-04
42	-0.9941E-04	-0.1127E-03	-0.1214E-03	-0.1458E-03	-0.1291E-03	-0.1219E-03	-0.1277E-03	-0.1234E-03	-0.1478E-03	-0.2090E-03
43	-0.2300E-03	-0.1791E-03	-0.1258E-03	-0.1344E-03	-0.1484E-03	-0.1247E-03	-0.1215E-03	-0.1118E-03	-0.9532E-04	-0.1218E-03
44	-0.1825E-03	-0.1028E-03	0.4683E-04	0.2023E-04	-0.9167E-04	-0.1190E-03	-0.1395E-03	-0.1682E-03	-0.1683E-03	-0.1851E-03
45	-0.1973E-03	-0.1663E-03	-0.1424E-03	-0.1212E-03	-0.9498E-04	-0.1034E-03	-0.9102E-04	-0.6321E-04	-0.6306E-04	-0.6849E-04
46	-0.9537E-04	-0.1085E-03	-0.1021E-03	-0.1156E-03	-0.1373E-03	-0.1564E-03	-0.1446E-03	-0.9142E-04	-0.4868E-04	-0.6594E-04
47	-0.1110E-03	-0.1086E-03	-0.9983E-04	-0.1261E-03	-0.1318E-03	-0.1221E-03	-0.1116E-03	-0.1195E-03	-0.1436E-03	-0.1845E-03
48	-0.2128E-03	-0.1729E-03	-0.1285E-03	-0.9653E-04	-0.8319E-04	-0.1167E-03	-0.1459E-03	-0.1240E-03	-0.8349E-04	-0.1073E-03
49	-0.1318E-03	-0.1257E-03	-0.1293E-03	-0.1164E-03	-0.9589E-04	-0.7557E-04	-0.8665E-04	-0.1185E-03	-0.1488E-03	-0.1493E-03
50	-0.1157E-03	-0.1173E-03	-0.9556E-04	-0.4991E-04	-0.7068E-04	-0.9687E-04	-0.1071E-03	-0.1304E-03	-0.1191E-03	-0.6235E-04
51	-0.4565E-04	-0.9532E-04	-0.1201E-03	-0.1092E-03	-0.9455E-04	-0.7847E-04	-0.6455E-04	-0.3441E-04	-0.1064E-03	-0.2535E-03
52	-0.1721E-03	0.2556E-05	-0.1569E-04	-0.7839E-04	-0.8302E-04	-0.6200E-04	-0.4677E-04	-0.6880E-04	-0.7816E-04	-0.6789E-04
53	-0.6503E-04	-0.6326E-04	-0.7419E-04	-0.1126E-03	-0.9386E-04	-0.9386E-04	-0.8249E-04	-0.8165E-04	-0.5806E-04	-0.9497E-04
54	-0.1612E-03	-0.1352E-03	-0.6476E-04	-0.5070E-04	-0.8641E-04	-0.1048E-03	-0.9102E-04	-0.6383E-04	-0.7223E-04	-0.9327E-04
55	-0.7896E-04	-0.6890E-04	-0.4663E-04	-0.2626E-04	-0.3905E-04	-0.4507E-04	-0.7967E-04	-0.1011E-03	-0.6437E-04	-0.1514E-04
56	0.7355E-05	-0.1905E-04	-0.3703E-04	-0.7103E-04	-0.1279E-03	-0.1098E-03	-0.7070E-04	-0.9361E-04	-0.1055E-03	-0.6692E-04
57	-0.4565E-04	-0.3254E-04	-0.4241E-04	-0.5355E-04	-0.5724E-05	0.3366E-07	-0.2456E-04	-0.3521E-04	-0.8560E-04	-0.1190E-03
58	-0.8806E-04	-0.3689E-04	-0.4309E-04	-0.8211E-04	-0.9460E-04	-0.1030E-03	-0.8714E-04	-0.5390E-04	-0.3237E-04	-0.8087E-05
59	0.5263E-05	-0.3076E-04	-0.8992E-04	-0.9560E-04	-0.4472E-04	-0.8904E-05	-0.3682E-04	-0.6877E-04	-0.7446E-04	-0.9149E-04
60	-0.1291E-03	-0.1733E-03	-0.1868E-03	-0.1582E-03	-0.9213E-04	-0.4475E-04	-0.4745E-04	-0.7416E-04	-0.8960E-04	-0.4190E-04

61	-0.2294E-04	-0.8047E-04	-0.1215E-03	-0.1225E-03	-0.9702E-04	-0.7335E-04	-0.1033E-03	-0.1396E-03	-0.1202E-03	-0.7272E-04
62	-0.3670E-04	-0.6922E-04	-0.9858E-04	-0.5006E-04	-0.6335E-04	-0.1185E-03	-0.1096E-03	-0.9415E-04	-0.7573E-04	-0.4719E-04
63	-0.3282E-04	-0.4238E-04	-0.5036E-04	-0.2342E-04	-0.1753E-04	-0.4156E-04	-0.4350E-04	-0.4391E-04	-0.6532E-04	-0.9982E-04
64	-0.1194E-03	-0.1061E-03	-0.1149E-03	-0.1129E-03	-0.5816E-04	-0.4623E-04	-0.4751E-04	0.8871E-06	0.5783E-05	-0.4929E-04
65	-0.8569E-04	-0.9011E-04	-0.5467E-04	-0.5858E-04	-0.1402E-03	-0.1629E-03	-0.1405E-03	-0.1173E-03	-0.7181E-04	-0.5782E-04
66	-0.7421E-04	-0.7603E-04	-0.4476E-04	-0.3238E-04	-0.6831E-04	-0.8134E-04	-0.6118E-04	-0.5036E-04	-0.7373E-04	-0.1306E-03
67	-0.1857E-03	-0.1478E-03	-0.5930E-04	-0.3888E-04	-0.8382E-04	-0.1248E-03	-0.7041E-04	-0.3889E-04	-0.3641E-04	0.1427E-04
68	-0.9420E-04	-0.2244E-03	-0.9741E-04	0.4519E-04	-0.8591E-05	-0.8651E-04	-0.8093E-04	-0.4455E-04	-0.1891E-04	-0.5767E-04
69	-0.8750E-04	-0.4903E-04	-0.3486E-04	-0.5005E-04	-0.6462E-04	-0.9750E-04	-0.7533E-04	-0.3375E-04	-0.7310E-04	-0.7718E-04
70	-0.2485E-04	-0.4163E-05	-0.3864E-04	-0.7763E-04	-0.6494E-04	-0.5381E-04	-0.4085E-04	-0.2625E-04	-0.4662E-04	-0.6154E-04
71	-0.6759E-04	-0.3899E-04	-0.5381E-05	-0.3052E-04	-0.6343E-04	-0.6553E-04	-0.4254E-04	-0.4097E-04	-0.4495E-04	-0.5288E-05
72	0.2974E-04	0.1666E-04	-0.1254E-04	-0.1980E-04	-0.3468E-04	-0.4620E-04	-0.3534E-04	-0.4275E-04	-0.4293E-04	-0.2957E-04
73	-0.3992E-04	-0.6717E-04	-0.7201E-04	-0.2323E-04	-0.9221E-05	-0.2692E-04	0.3293E-05	-0.1326E-04	-0.5118E-04	-0.3965E-04
74	-0.3848E-04	-0.7038E-04	-0.1184E-03	-0.1162E-03	-0.5340E-04	-0.2557E-04	-0.4835E-04	-0.5675E-04	-0.3804E-04	-0.3715E-04
75	-0.3730E-04	-0.3158E-04	-0.4855E-04	-0.5668E-04	-0.7466E-04	-0.1056E-03	-0.1103E-03	-0.1046E-03	-0.1548E-03	-0.1845E-03
76	-0.6144E-04	0.2855E-04	-0.2975E-04	-0.6551E-04	-0.3854E-04	-0.1955E-04	-0.1475E-04	-0.3557E-05	-0.9497E-05	-0.3833E-04
77	-0.5154E-04	-0.4770E-04	-0.3224E-04	-0.9914E-05	-0.1005E-04	-0.9314E-05	-0.1984E-04	-0.6097E-04	-0.6149E-04	-0.6362E-04
78	-0.7114E-04	-0.1618E-04	0.4706E-05	-0.3309E-04	-0.1012E-04	0.5187E-04	0.2417E-04	-0.5763E-04	-0.8757E-04	-0.7318E-04
79	-0.7073E-04	-0.1176E-03	-0.1383E-03	-0.9510E-04	-0.3306E-04	0.1508E-04	-0.1265E-04	-0.4149E-04	-0.4112E-04	-0.8688E-04
80	-0.1337E-03	-0.1334E-03	-0.8479E-04	-0.4502E-04	-0.2453E-04	-0.1445E-05	0.2336E-06	0.2845E-05	0.7721E-05	0.7252E-05
81	-0.1216E-04	-0.2747E-04	-0.1859E-04	-0.7503E-04	-0.1431E-03	-0.1412E-03	-0.1247E-03	-0.7258E-04	-0.1397E-04	-0.1485E-05
82	-0.4250E-04	-0.5406E-04	-0.4305E-04	-0.2614E-04	-0.1087E-04	-0.5085E-05	-0.3066E-04	-0.5318E-04	-0.7262E-04	-0.2870E-04
83	0.6073E-04	0.1715E-04	-0.6453E-04	-0.5205E-04	-0.1878E-04	-0.4762E-05	-0.3360E-04	-0.1056E-03	-0.1021E-03	-0.5728E-04
84	-0.4789E-04	-0.6849E-04	-0.1031E-03	-0.1292E-03	-0.1139E-03	-0.1102E-03	-0.1268E-03	-0.1092E-03	-0.7412E-04	-0.3877E-04
85	-0.2053E-04	-0.1899E-04	-0.1170E-04	-0.1220E-04	-0.1162E-04	-0.9727E-05	-0.3207E-04	-0.3493E-04	-0.2729E-04	-0.5096E-04
86	-0.1001E-03	-0.1489E-03	-0.1266E-03	-0.8374E-04	-0.6211E-04	-0.3681E-04	-0.6627E-04	-0.9541E-04	-0.5460E-04	-0.3159E-04
87	-0.4302E-04	-0.2921E-04	-0.5098E-04	-0.9491E-04	-0.1104E-03	-0.1382E-03	-0.1084E-03	-0.5257E-04	-0.3968E-04	-0.7666E-05
88	0.2808E-04	0.3683E-04	0.6582E-05	-0.2822E-04	-0.2890E-04	-0.2560E-04	-0.3132E-04	-0.3759E-04	-0.5202E-04	-0.8080E-04
89	-0.7950E-04	-0.5628E-04	-0.6412E-04	-0.1795E-04	0.7985E-04	0.7901E-04	0.2923E-04	0.5777E-05	-0.3513E-04	-0.6888E-04
90	-0.6640E-04	-0.6112E-04	-0.5896E-04	-0.5980E-04	-0.6893E-04	-0.4892E-04	-0.3377E-04	-0.5019E-04	-0.3724E-04	-0.3161E-04
91	-0.5481E-04	-0.3735E-04	-0.1805E-04	-0.3697E-04	-0.5442E-04	-0.8909E-04	-0.1228E-03	-0.7817E-04	-0.3266E-04	-0.6220E-04
92	-0.3946E-04	0.2719E-05	-0.1339E-04	-0.8603E-05	-0.1022E-04	-0.2909E-04	-0.3792E-04	-0.5644E-04	-0.8408E-04	-0.5128E-04
93	-0.1092E-04	-0.7055E-05	-0.4618E-05	-0.4067E-05	-0.6650E-04	-0.7961E-04	-0.1439E-04	0.2139E-04	-0.1786E-04	-0.4900E-04
94	-0.2579E-04	-0.2863E-04	-0.5450E-04	-0.3303E-04	-0.1265E-04	-0.2948E-04	-0.5303E-04	-0.5516E-04	-0.4647E-04	-0.5871E-04
95	-0.5699E-04	-0.5898E-04	-0.8541E-04	-0.9846E-04	-0.7884E-04	-0.4588E-04	-0.4027E-04	-0.4251E-04	-0.4024E-04	-0.6661E-04
96	-0.1128E-03	-0.1378E-03	-0.1116E-03	-0.6790E-04	-0.8507E-04	-0.1178E-03	-0.9694E-04	-0.7967E-04	-0.7070E-04	-0.4887E-04
97	-0.4287E-04	-0.4123E-04	-0.2596E-04	-0.3055E-04	-0.4637E-04	-0.4369E-04	-0.8742E-04	-0.1127E-03	-0.7646E-04	-0.1020E-03
98	-0.1004E-03	-0.3102E-04	-0.3618E-04	-0.7115E-04	-0.7850E-04	-0.8278E-04	-0.5252E-04	-0.1119E-04	-0.1951E-04	-0.6184E-04
99	-0.8210E-04	-0.5605E-04	-0.3343E-04	-0.3830E-04	-0.3791E-04	-0.5227E-04	-0.5840E-04	-0.1842E-04	0.4093E-04	0.8036E-04
100	-0.3749E-05	-0.8766E-04	-0.9133E-04	-0.1063E-04	-0.4322E-04	-0.1332E-05	-0.3398E-04	-0.5142E-04	-0.4900E-04	-0.6085E-04
101	-0.8698E-04	-0.6865E-04	-0.6481E-04	-0.7674E-04	-0.3604E-04	-0.3788E-04	-0.9817E-04	-0.1113E-03	-0.3009E-04	0.4792E-04
102	0.2003E-04	-0.2171E-04	-0.2358E-04	-0.3890E-04	-0.1094E-03	-0.1788E-03	-0.1163E-03	-0.2238E-04	-0.1611E-04	-0.9582E-05
103	-0.7865E-05	-0.3750E-04	-0.1564E-04	-0.9232E-05	-0.3501E-04	-0.4758E-04	-0.3992E-04	-0.5945E-04	-0.5463E-04	-0.2925E-04
104	0.5972E-05	0.2613E-04	0.9329E-05	-0.2203E-04	-0.4344E-04	-0.6617E-04	-0.9484E-04	-0.8652E-04	-0.8045E-04	-0.8120E-04
105	-0.4621E-04	-0.3723E-04	-0.5257E-04	-0.4793E-04	-0.5078E-04	-0.4199E-04	0.1633E-04	0.1034E-04	-0.3674E-04	0.1549E-04
106	0.2196E-04	-0.3564E-04	0.2055E-05	0.3960E-04	0.1387E-04	-0.1414E-06	-0.9951E-05	-0.3950E-04	-0.5304E-04	-0.4308E-04
107	-0.4761E-04	-0.4619E-04	-0.3608E-04	-0.3424E-04	-0.9897E-05	0.1317E-04	0.4967E-05	-0.2250E-05	-0.1347E-04	-0.1093E-04
108	-0.3308E-04	-0.1185E-04	-0.8402E-04	-0.9087E-04	-0.1179E-03	-0.8056E-04	-0.3323E-04	-0.3546E-04	-0.9153E-05	-0.3053E-04
109	-0.6671E-04	-0.5264E-04	-0.5239E-04	-0.3522E-04	-0.1276E-04	-0.3653E-04	-0.1895E-04	0.2769E-04	0.1135E-06	-0.3711E-04
110	-0.1129E-04	0.2857E-04	0.2494E-04	0.5013E-05	0.1912E-04	0.2905E-04	-0.4015E-05	-0.2815E-04	-0.3014E-04	-0.3965E-04
111	-0.2689E-04	-0.1064E-04	-0.3840E-04	-0.3201E-04	0.2489E-04	0.5918E-05	-0.3386E-04	-0.3361E-04	-0.4462E-04	-0.4402E-04
112	-0.5467E-04	-0.6553E-04	-0.4731E-04	-0.4121E-04	-0.3311E-04	-0.1548E-05	-0.1662E-04	-0.6471E-04	-0.9106E-04	-0.3731E-04
113	-0.1240E-04	-0.3543E-04	-0.3632E-04	-0.4358E-04	-0.7534E-04	-0.6858E-04	-0.4318E-04	-0.3410E-04	-0.6590E-05	-0.9832E-05
114	0.1489E-04	0.3259E-04	0.1422E-04	-0.1436E-04	0.6098E-05	-0.3062E-05	-0.5330E-04	-0.4388E-04	-0.1831E-04	-0.3234E-05
115	0.3374E-04	0.1768E-04	-0.2630E-04	-0.1856E-04	-0.8845E-05	-0.5983E-05	0.2547E-04	-0.2928E-04	-0.1275E-03	-0.1370E-03
116	-0.2363E-04	0.7045E-04	0.7655E-04	0.5368E-04	0.1321E-04	-0.2921E-04	-0.2818E-04	-0.1850E-04	-0.2993E-04	0.1242E-04
117	0.5709E-04	0.8929E-05	-0.4813E-04	-0.6948E-04	-0.5682E-04	0.4158E-05	0.5518E-05	-0.3594E-04	-0.4708E-04	-0.7630E-04
118	-0.7375E-04	-0.6068E-04	-0.6643E-04	-0.7920E-04	-0.1001E-03	-0.7208E-04	-0.5004E-05	-0.2306E-04	-0.4969E-04	-0.3555E-04
119	-0.4010E-04	-0.4487E-05	0.7519E-04	0.5282E-04	-0.4525E-04	-0.7001E-04	-0.2591E-04	-0.9483E-05	-0.2032E-04	-0.1791E-04
120	0.2754E-04	0.4809E-04	-0.1141E-04	-0.3815E-04	-0.1223E-04	-0.9663E-05	-0.3695E-04	-0.1579E-04	0.3128E-04	-0.9433E-05

121	-0.4559E-04	-0.2166E-04	-0.2096E-04	-0.3465E-04	-0.4762E-04	-0.8824E-04	-0.8790E-04	-0.1153E-04	0.6457E-05	-0.2848E-04
122	-0.1278E-04	-0.4090E-05	-0.2602E-04	-0.3013E-04	-0.6191E-04	-0.7916E-04	-0.3842E-04	-0.1746E-04	0.8917E-05	0.4617E-05
123	-0.4325E-04	-0.3182E-04	0.1131E-04	-0.7865E-05	-0.5814E-04	-0.6287E-04	-0.3902E-04	-0.4859E-04	-0.5428E-04	-0.1456E-04
124	-0.7056E-04	-0.9215E-04	0.1136E-04	0.3096E-04	-0.1011E-05	-0.1949E-04	-0.2580E-04	-0.3990E-04	-0.7457E-04	-0.1104E-03
125	-0.1352E-03	-0.1184E-03	-0.6265E-04	-0.2395E-04	-0.3458E-04	-0.5865E-04	-0.7504E-04	-0.1012E-03	-0.1227E-03	-0.1064E-03
126	-0.9386E-04	-0.8194E-04	-0.7491E-04	-0.3952E-04	0.5848E-04	0.8276E-04	0.6300E-05	-0.3452E-04	-0.2868E-04	-0.3004E-04
127	-0.7765E-05	-0.1991E-04	-0.5665E-04	-0.1690E-04	0.2722E-04	0.5018E-05	-0.2539E-04	-0.1330E-04	-0.3106E-04	-0.9740E-04
128	-0.1282E-03									

DURATION IN S.: 65.075516

IDPLOT = 00004 RANGE WARNING

	0	1	2	3	4	5	6	7	8	9
0	0.3411E-03	0.5206E-02	0.5251E-02	0.5285E-02	0.5134E-02	0.5114E-02	0.5226E-02	-0.1450E-01	-0.3509E-01	-0.1502E-01
1	0.5591E-02	0.6515E-02	0.1188E-01	0.1756E-01	0.9481E-02	0.2476E-02	0.2880E-02	0.4275E-02	0.3990E-02	0.5045E-02
2	0.4523E-02	0.5834E-02	0.4870E-02	0.7175E-02	0.6400E-02	0.8197E-02	0.5581E-02	0.9204E-02	0.5936E-02	0.1197E-01
3	0.6395E-02	0.1690E-01	0.6006E-02	0.2746E-01	0.1837E-02	0.5697E-01	-0.2951E-02	0.2080E 00	-0.5576E 00	-0.3227E 03
4	-0.6398E 03	-0.3171E 03	0.5816E 00	-0.1938E 00	0.3869E-01	-0.5140E-01	0.2273E-02	-0.2478E-01	-0.3551E-02	-0.1460E-01
5	-0.4107E-02	-0.9840E-02	-0.3930E-02	-0.7245E-02	-0.3600E-02	-0.3625E-02	0.9350E-03	-0.2614E-02	-0.3031E-02	-0.4010E-02
6	-0.2786E-02	-0.3498E-02	-0.2599E-02	-0.3188E-02	-0.2492E-02	-0.2889E-02	-0.2227E-02	-0.2456E-02	-0.1986E-02	-0.2226E-02
7	-0.1752E-02	0.8768E-03	0.3938E-02	0.8816E-03	-0.1706E-02	-0.1847E-02	-0.1586E-02	-0.1650E-02	-0.1477E-02	-0.1581E-02
8	-0.1387E-02	-0.1487E-02	-0.1365E-02	-0.1396E-02	-0.1220E-02	-0.1237E-02	-0.1052E-02	-0.9189E-03	-0.7215E-03	-0.9602E-03
9	-0.1021E-02	-0.1077E-02	-0.9444E-03	-0.9263E-03	-0.8767E-03	-0.9187E-03	-0.8823E-03	-0.9238E-03	-0.8037E-03	-0.8107E-03
10	-0.7250E-03	-0.7160E-03	-0.7014E-03	-0.4690E-02	-0.8578E-02	-0.4552E-02	-0.5352E-03	-0.6244E-03	-0.6180E-03	-0.6316E-03
11	-0.5849E-03	-0.5188E-03	-0.3639E-03	-0.2592E-03	-0.3076E-03	-0.3395E-03	-0.2627E-03	0.8583E-05	0.2815E-02	0.4275E-02
12	0.3437E-02	0.4314E-02	0.2706E-02	0.2950E-05	-0.2023E-03	-0.2498E-03	-0.2593E-03	-0.2817E-03	-0.3513E-03	-0.4078E-03
13	-0.4157E-03	-0.4352E-03	-0.3998E-03	-0.3252E-03	-0.2695E-03	0.8305E-03	0.1918E-02	0.7008E-03	-0.4620E-03	-0.4124E-03
14	-0.3584E-03	-0.3669E-03	-0.3361E-03	-0.3304E-03	-0.3165E-03	-0.3585E-03	-0.3758E-03	-0.3405E-03	-0.2852E-03	-0.2890E-03
15	-0.2993E-03	-0.5333E-03	-0.8453E-03	-0.7071E-03	-0.3826E-03	-0.2897E-03	-0.3024E-03	-0.3060E-03	-0.2227E-03	-0.2200E-03
16	-0.2859E-03	-0.3470E-03	-0.3401E-03	-0.2913E-03	-0.2476E-03	-0.2399E-03	-0.2235E-03	0.6678E-02	0.1365E-01	0.6748E-02
17	-0.1969E-03	-0.1700E-03	-0.1377E-03	-0.1401E-03	-0.2012E-03	-0.2911E-03	-0.2528E-03	-0.2146E-03	-0.1851E-03	-0.1110E-03
18	-0.1330E-03	-0.1962E-03	-0.1930E-03	-0.1171E-03	0.4550E-03	0.9093E-04	-0.2651E-03	-0.2315E-03	-0.2115E-03	-0.1891E-03
19	-0.1203E-03	-0.6458E-04	-0.7445E-04	-0.1203E-03	-0.1444E-03	-0.1311E-04	-0.1499E-03	0.3672E-03	0.2654E-03	-0.1148E-01
20	-0.2207E-01	-0.1101E-01	0.4777E-03	0.3783E-03	-0.1233E-03	-0.8941E-05	-0.8053E-04	-0.5496E-04	-0.9716E-04	-0.4419E-03
21	-0.1358E-03	-0.9733E-04	-0.1057E-03	-0.1205E-03	-0.1059E-03	-0.9084E-03	-0.1673E-02	-0.9564E-03	-0.2139E-03	-0.2013E-03
22	-0.1988E-03	-0.1878E-03	-0.1765E-03	-0.1511E-03	-0.1132E-03	-0.1011E-03	-0.1154E-03	-0.1736E-03	-0.5217E-03	-0.8270E-03
23	-0.4663E-03	0.1593E-02	0.3282E-02	0.1558E-02	-0.1408E-03	-0.1127E-03	-0.1143E-03	-0.1659E-03	-0.1650E-03	-0.1374E-03
24	-0.1161E-03	-0.9885E-04	-0.7826E-04	-0.1059E-03	-0.1082E-03	-0.9007E-04	-0.1557E-03	-0.2115E-03	-0.1870E-03	-0.1299E-03
25	-0.1040E-03	-0.1363E-03	-0.1518E-03	-0.1380E-03	-0.1299E-03	-0.1422E-03	-0.1308E-03	-0.1004E-03	-0.9289E-04	-0.1300E-03
26	-0.1651E-03	-0.1288E-03	-0.6506E-04	-0.6035E-05	0.5069E-04	0.2269E-04	-0.1828E-04	-0.3561E-04	-0.8730E-04	-0.1563E-03
27	-0.1573E-03	-0.1588E-03	-0.1595E-03	-0.1274E-03	-0.7331E-04	-0.9889E-04	-0.1737E-03	0.1190E-03	-0.1341E-02	0.6707E-02
28	0.1672E-01	0.7268E-02	-0.8075E-03	0.3850E-03	-0.3229E-04	-0.1407E-04	0.3219E-04	0.4284E-04	-0.4735E-03	-0.9825E-03
29	-0.5218E-03	-0.9502E-04	-0.1281E-03	-0.1641E-03	-0.1614E-03	0.6398E-03	0.1416E-02	0.6765E-03	0.6318E-05	0.2617E-04
30	-0.3505E-04	-0.7450E-04	-0.8917E-04	-0.9906E-04	-0.1252E-03	-0.1122E-03	-0.6306E-04	-0.1746E-04	-0.7302E-06	-0.5376E-04
31	-0.7576E-04	-0.5329E-03	-0.1004E-02	-0.5374E-03	-0.6255E-04	-0.9149E-04	-0.1186E-03	-0.1160E-03	-0.1154E-03	-0.8664E-04
32	-0.5486E-04	-0.7252E-04	-0.1061E-03	-0.1238E-03	-0.1390E-03	-0.1482E-03	-0.1276E-03	-0.4697E-03	-0.8903E-03	-0.5709E-03
33	-0.1771E-03	-0.1718E-03	-0.1316E-03	-0.9582E-04	-0.8079E-04	-0.2381E-04	-0.3722E-04	-0.9170E-04	-0.5779E-04	-0.1117E-04
34	-0.2255E-04	-0.5689E-04	-0.8317E-04	-0.7016E-02	-0.1394E-01	-0.7050E-02	-0.1435E-03	-0.9385E-04	-0.3497E-04	-0.3788E-04
35	-0.6422E-04	-0.7930E-04	-0.9481E-04	-0.1581E-03	-0.1478E-03	-0.1971E-03	-0.6829E-04	-0.2160E-03	-0.1690E-02	0.1248E-01
36	0.2779E-01	0.1270E-01	-0.1423E-02	-0.1292E-03	-0.5580E-05	0.1161E-04	0.7541E-04	0.2600E-05	-0.3263E-05	0.1490E-06
37	0.7160E-04	0.5780E-04	-0.6686E-04	-0.1078E-03	-0.5083E-04	-0.1138E-02	-0.2244E-02	-0.1129E-02	-0.2962E-04	-0.3799E-04
38	-0.9820E-05	0.1543E-04	0.1743E-05	-0.1348E-04	-0.2486E-04	-0.5396E-04	-0.7170E-04	-0.6934E-04	-0.8427E-04	-0.9876E-04
39	-0.4995E-04	-0.9292E-03	-0.1855E-02	-0.9432E-03	-0.1942E-04	0.1323E-04	-0.3874E-04	-0.1041E-03	-0.5728E-04	-0.5008E-04
40	-0.6497E-04	-0.3076E-04	-0.1281E-04	-0.1978E-04	-0.3344E-04	-0.5233E-04	-0.4661E-04	0.4014E-02	0.8096E-02	0.4078E-02
41	0.1674E-04	0.2545E-04	0.1680E-04	-0.3802E-04	-0.5645E-04	-0.6597E-04	-0.9640E-04	-0.1152E-03	-0.1395E-03	-0.1500E-03
42	-0.6140E-04	0.1253E-04	-0.1878E-04	-0.1609E-03	-0.3326E-04	-0.2368E-03	-0.8173E-04	-0.8063E-04	-0.8936E-04	-0.9119E-04
43	-0.1114E-03	-0.1426E-03	-0.1750E-03	-0.1706E-03	-0.1100E-03	-0.7997E-04	-0.4672E-05	-0.5326E-03	-0.1159E-02	0.6611E-03
44	0.2389E-02	0.3889E-03	-0.1313E-02	-0.5635E-03	-0.1091E-03	-0.1507E-03	-0.9824E-04	-0.1460E-03	-0.1015E-03	-0.6620E-04
45	-0.6755E-04	-0.2854E-04	-0.2279E-04	-0.4636E-04	-0.8013E-04	-0.2237E-02	-0.4397E-02	-0.2264E-02	-0.8269E-04	-0.5155E-04
46	-0.7924E-04	-0.1577E-03	-0.1682E-03	-0.7216E-04	0.1285E-04	0.1628E-05	-0.6386E-04	-0.7389E-04	0.1520E-03	0.3586E-03
47	0.1320E-03	0.1288E-02	0.2680E-02	0.1334E-02	-0.4228E-04	-0.6250E-04	-0.1410E-04	-0.6478E-05	-0.8014E-04	-0.1014E-03
48	-0.1031E-03	-0.9045E-04	-0.3281E-04	-0.5700E-06	-0.3837E-06	0.4798E-05	0.1135E-04	-0.6093E-03	-0.1265E-02	-0.7070E-03
49	-0.7561E-04	-0.3764E-04	-0.7495E-04	-0.7543E-04	-0.2971E-04	-0.3745E-04	-0.7513E-04	-0.1051E-03	-0.9815E-04	-0.9725E-04
50	-0.1966E-03	-0.2660E-03	-0.4061E-03	-0.1956E-01	0.4033E-01	0.2080E-01	0.4184E-03	0.1943E-03	0.1066E-03	0.3353E-04
51	0.8180E-04	0.1486E-03	0.1154E-03	0.9225E-04	0.2822E-04	0.4449E-04	0.1088E-03	-0.2418E-03	0.8529E-04	-0.1818E-01
52	-0.3768E-01	-0.1947E-01	-0.8219E-03	-0.6165E-03	-0.1304E-03	-0.1329E-03	-0.1880E-03	-0.1582E-03	-0.1312E-03	-0.7904E-04
53	-0.7729E-04	-0.6963E-04	-0.5784E-04	-0.4199E-04	-0.2909E-04	0.5921E-03	0.1213E-02	0.5702E-03	-0.7608E-04	-0.6180E-04
54	-0.3760E-04	-0.1138E-04	0.6687E-05	-0.1047E-04	-0.5945E-04	-0.6615E-04	-0.2944E-04	-0.2499E-04	-0.8434E-05	0.1987E-04
55	0.1268E-04	-0.1319E-02	-0.2662E-02	-0.1383E-02	-0.5868E-04	-0.7562E-05	-0.1897E-04	-0.7464E-04	-0.5928E-04	-0.2655E-04
56	-0.1920E-04	-0.4446E-04	-0.1251E-03	-0.1485E-03	0.5653E-04	0.2129E-03	0.9576E-04	0.2163E-02	0.4327E-02	0.2158E-02
57	-0.7872E-05	-0.1059E-04	0.1131E-03	0.2657E-03	0.1078E-03	-0.8229E-04	-0.5019E-04	-0.8754E-05	-0.3115E-04	-0.2005E-04
58	-0.1212E-04	-0.4870E-04	-0.6271E-04	0.2744E-02	0.5569E-02	0.2764E-02	-0.9423E-04	-0.1455E-03	-0.1054E-03	-0.3824E-04
59	-0.3651E-05	-0.9105E-05	0.5849E-05	-0.4794E-04	-0.1956E-03	-0.1252E-03	-0.2031E-03	-0.3057E-03	0.3648E-03	0.5890E-02
60	0.1087E-01	0.5901E-02	0.3235E-03	-0.2644E-03	-0.1056E-03	-0.7157E-04	-0.1547E-04	-0.9918E-04	-0.6952E-04	-0.3663E-04

61	-0.2290E-04	-0.4295E-05	-0.3688E-05	-0.1540E-04	-0.4698E-04	-0.4125E-02	-0.8130E-02	-0.4087E-02	-0.7121E-04	-0.1859E-04
62	0.1775E-04	0.1585E-04	0.2994E-04	0.1369E-04	-0.2534E-04	-0.2145E-04	0.1919E-04	0.2017E-04	-0.3592E-04	-0.7908E-04
63	-0.5835E-04	0.8452E-03	0.1754E-02	0.8967E-03	-0.9488E-05	-0.4828E-04	-0.9023E-04	-0.6089E-04	0.3316E-06	0.1229E-06
64	0.1580E-04	0.3991E-04	0.9030E-05	-0.1578E-04	-0.3624E-04	-0.9133E-04	-0.8963E-04	0.1108E-02	0.2272E-02	0.1143E-02
65	-0.8143E-05	-0.1463E-04	0.1996E-04	-0.3384E-04	-0.1130E-03	-0.9055E-04	-0.6798E-04	-0.7932E-04	-0.8054E-04	-0.8084E-04
66	-0.5022E-04	-0.1673E-04	-0.2344E-04	-0.2547E-03	-0.4581E-03	-0.1623E-03	0.1054E-03	0.4037E-04	-0.2586E-04	-0.1909E-04
67	-0.1505E-04	-0.5475E-04	-0.2551E-04	-0.1699E-04	-0.2877E-04	-0.3204E-04	-0.1703E-03	0.6663E-04	0.7040E-03	0.6862E-02
68	0.1274E-01	0.6889E-02	0.6541E-03	0.1530E-04	-0.1398E-03	-0.8605E-04	-0.2582E-03	-0.2440E-03	-0.1200E-03	-0.1127E-03
69	-0.1058E-03	-0.7796E-04	-0.3725E-04	-0.6147E-05	0.1023E-03	0.5811E-03	0.9474E-03	0.5707E-03	0.1031E-03	-0.4836E-04
70	-0.3530E-04	-0.1305E-04	-0.1101E-03	-0.1362E-03	-0.3793E-04	0.2297E-04	-0.2254E-04	-0.5372E-04	-0.7258E-04	-0.9480E-04
71	-0.7374E-04	0.4250E-03	0.9095E-03	0.4462E-03	0.4087E-05	-0.2794E-04	-0.5383E-04	-0.2165E-04	-0.3671E-04	-0.3759E-04
72	-0.2809E-04	-0.1686E-04	0.7216E-05	-0.2792E-04	-0.7621E-04	-0.1058E-03	-0.5317E-04	-0.7381E-03	-0.1511E-02	-0.7673E-03
73	-0.4962E-05	-0.1687E-04	-0.3397E-04	-0.3697E-04	-0.2554E-04	0.1325E-04	0.2175E-03	0.3577E-03	0.1365E-03	-0.3526E-04
74	-0.1391E-04	-0.2324E-04	-0.7815E-04	0.1588E-02	0.3312E-02	0.1617E-02	-0.8442E-04	-0.1664E-04	-0.2724E-04	0.4806E-05
75	-0.4103E-04	-0.5797E-04	-0.4964E-04	-0.5822E-04	0.2347E-05	-0.9295E-04	-0.2357E-03	0.8484E-04	0.5421E-03	-0.5752E-03
76	-0.1842E-02	-0.6044E-03	0.5405E-03	0.1578E-03	-0.1891E-03	-0.1407E-03	-0.5667E-04	-0.6384E-04	-0.7221E-04	-0.9295E-04
77	-0.5367E-04	-0.9619E-05	-0.3103E-04	-0.4943E-04	-0.2840E-03	0.9157E-05	0.6041E-04	0.4051E-04	0.1499E-04	0.1474E-04
78	-0.4205E-04	-0.1038E-03	-0.1535E-03	-0.1102E-03	0.2950E-05	0.2719E-06	-0.7752E-04	-0.8681E-04	-0.2220E-04	0.1249E-04
79	-0.2816E-04	-0.1686E-02	-0.3359E-02	-0.1771E-02	-0.1311E-03	-0.8466E-04	-0.5138E-04	-0.7305E-04	-0.9071E-04	-0.9000E-04
80	-0.1190E-03	-0.1620E-03	-0.1507E-03	-0.1275E-03	-0.1559E-03	-0.1505E-03	-0.1020E-03	0.6832E-03	0.1474E-02	0.1474E-03
81	-0.7233E-04	-0.1857E-04	-0.1189E-04	-0.3873E-04	-0.5445E-04	-0.1051E-03	-0.1190E-03	-0.6351E-04	-0.5361E-04	-0.1217E-03
82	-0.1782E-03	-0.2083E-03	-0.1755E-03	-0.5698E-03	-0.1032E-02	-0.5799E-03	-0.1447E-03	-0.2112E-03	-0.2623E-03	-0.3066E-03
83	-0.3728E-03	-0.4083E-03	-0.4985E-03	-0.5253E-03	-0.6288E-03	-0.8756E-03	-0.1032E-02	-0.9908E-03	-0.2488E-02	-0.4800E-01
84	0.8482E-01	0.4705E-01	0.3430E-02	0.1953E-02	0.1364E-02	0.9990E-03	0.9650E-03	0.8238E-03	0.1342E-02	0.1851E-02
85	0.1308E-02	0.7696E-03	0.7370E-03	0.7033E-03	0.7228E-03	-0.6121E-02	-0.1302E-01	-0.6163E-02	0.6884E-03	0.6905E-03
86	0.8056E-03	0.8934E-03	0.1122E-02	0.1341E-02	0.2010E-02	0.2795E-02	-0.4558E-02	-0.1223E-01	-0.7112E-02	-0.1741E-02
87	-0.1271E-02	-0.6084E-03	-0.2246E-03	-0.3386E-03	-0.5130E-03	-0.4336E-03	-0.3897E-03	-0.3418E-03	-0.3021E-03	-0.2866E-03
88	-0.2920E-03	-0.2783E-03	-0.2538E-03	-0.1886E-03	-0.1305E-03	-0.1680E-03	-0.1979E-03	-0.1253E-02	-0.2342E-02	-0.1221E-02
89	-0.9610E-04	-0.1371E-03	-0.1363E-03	-0.1123E-03	-0.1198E-03	-0.9399E-04	-0.8216E-04	-0.9824E-04	-0.6998E-04	-0.4171E-04
90	-0.1020E-03	-0.1351E-03	-0.6467E-04	-0.9786E-03	-0.1940E-02	-0.1061E-02	-0.2045E-03	-0.1776E-03	-0.1051E-03	-0.8062E-04
91	-0.5075E-04	-0.3936E-04	-0.3085E-04	0.4612E-04	0.3191E-04	-0.3739E-04	0.8085E-04	0.1440E-03	-0.7436E-04	0.1594E-02
92	0.3481E-02	0.1762E-02	0.6303E-04	0.1172E-03	-0.6650E-04	-0.1506E-03	-0.7490E-04	-0.1912E-03	-0.1591E-03	0.2959E-04
93	0.5516E-04	0.1885E-04	-0.2536E-04	-0.9328E-05	-0.2917E-04	-0.2643E-03	-0.3911E-03	-0.2336E-03	-0.9939E-04	-0.3324E-04
94	-0.1137E-03	-0.2249E-03	-0.7572E-04	0.4330E-04	-0.1355E-04	-0.1720E-04	0.4827E-04	0.7358E-04	0.1704E-04	-0.3270E-04
95	-0.3900E-04	-0.2853E-02	-0.5610E-02	-0.2767E-02	0.3617E-04	0.5021E-04	0.1859E-04	-0.6057E-05	0.7451E-05	0.5145E-05
96	0.2580E-04	0.5944E-04	0.5054E-04	0.3148E-04	0.3641E-04	0.5287E-04	0.4451E-04	-0.2136E-02	-0.4311E-02	-0.2200E-02
97	-0.7010E-04	-0.6323E-04	-0.9119E-04	-0.1202E-03	-0.6074E-04	0.4590E-05	-0.2749E-05	-0.3970E-04	-0.9537E-04	-0.8173E-04
98	-0.3296E-04	-0.3529E-04	-0.3516E-04	0.1374E-02	0.2758E-02	0.1386E-02	0.4030E-04	0.6732E-05	-0.2782E-04	-0.3338E-04
99	0.6992E-05	0.5341E-04	0.1360E-04	-0.3465E-05	0.1664E-04	0.1228E-03	0.1892E-03	-0.1402E-04	-0.2862E-03	0.1994E-02
100	0.4391E-02	0.2006E-02	-0.2691E-03	-0.3214E-04	0.7786E-04	0.4968E-04	0.3363E-04	0.3014E-05	-0.4206E-04	-0.3375E-04
101	-0.6817E-04	-0.9570E-04	-0.1354E-03	-0.2309E-03	-0.4479E-03	0.1954E-01	0.4032E-01	0.2076E-01	0.3926E-03	0.2085E-03
102	0.1473E-03	0.8395E-04	0.1015E-03	0.1273E-03	0.1554E-03	0.1524E-03	0.1169E-03	0.1074E-03	0.1825E-03	0.2167E-03
103	0.3568E-03	-0.1963E-01	-0.4036E-01	-0.2075E-01	-0.3877E-03	-0.2162E-03	-0.1163E-03	-0.3748E-04	-0.6404E-04	-0.4064E-04
104	-0.3704E-04	-0.7670E-04	-0.6284E-04	-0.5423E-04	-0.9687E-04	-0.1236E-03	-0.1075E-03	0.5735E-03	0.1270E-02	0.6740E-03
105	0.3295E-04	0.5408E-04	0.7623E-04	0.4411E-04	-0.1038E-04	-0.4011E-04	-0.5038E-04	-0.8500E-04	-0.9311E-04	-0.6050E-04
106	-0.4285E-04	-0.5578E-04	-0.8904E-04	-0.1466E-02	-0.2775E-02	-0.1394E-02	-0.6712E-04	-0.4506E-04	-0.3814E-04	-0.1437E-04
107	0.1920E-04	0.3021E-04	0.6587E-04	0.1054E-04	-0.7920E-05	0.1132E-03	0.6098E-04	-0.2494E-03	-0.4222E-03	-0.4074E-02
108	-0.7765E-02	-0.4134E-02	-0.4538E-03	-0.2314E-03	0.9884E-04	0.1820E-03	0.9569E-04	0.7455E-04	0.6022E-04	0.1941E-04
109	-0.1139E-03	-0.2405E-03	-0.8838E-04	0.6810E-04	0.2768E-04	0.2786E-02	0.5639E-02	0.2921E-02	0.1512E-03	0.1075E-03
110	0.7382E-04	0.1098E-03	-0.8383E-04	-0.3401E-03	-0.1978E-03	-0.3276E-04	-0.7632E-04	-0.8444E-04	-0.5963E-04	-0.3478E-04
111	-0.2887E-04	0.1170E-03	0.2972E-03	0.1360E-03	-0.4133E-04	-0.3061E-04	-0.4699E-04	-0.6388E-04	-0.6462E-04	-0.8062E-04
112	-0.6921E-04	-0.4063E-04	-0.6790E-04	-0.8128E-04	-0.1968E-04	0.7518E-05	-0.7823E-05	-0.4058E-02	-0.8141E-02	-0.4140E-02
113	-0.1127E-03	-0.1255E-03	-0.2630E-03	-0.3915E-03	-0.1434E-03	0.1105E-03	0.1132E-03	0.1332E-03	0.1169E-03	0.1919E-04
114	0.2015E-04	0.8637E-04	0.3976E-04	0.8996E-03	0.1770E-02	0.8236E-03	-0.2384E-04	-0.6706E-07	-0.6485E-04	-0.8686E-04
115	-0.7873E-04	-0.3786E-04	0.4753E-04	0.2395E-04	0.6170E-04	0.1916E-03	0.5192E-04	-0.2366E-03	-0.4082E-03	0.7997E-02
116	0.1649E-01	0.8043E-02	-0.3787E-03	-0.1436E-03	0.1479E-03	0.1768E-03	0.4245E-04	0.7391E-04	0.8071E-04	-0.4064E-04
117	-0.3686E-04	-0.3606E-05	-0.4815E-04	-0.6082E-04	-0.6462E-04	-0.3294E-03	-0.5487E-03	-0.2819E-03	0.6460E-05	0.8118E-04
118	0.8403E-04	0.4489E-04	-0.2228E-05	-0.1152E-04	-0.1400E-04	-0.6140E-04	-0.6898E-04	-0.2836E-04	0.5808E-05	0.3118E-04
119	0.5402E-04	0.6960E-02	0.1390E-01	0.7011E-02	0.6364E-04	0.3254E-04	0.6631E-05	0.1283E-04	0.1257E-04	-0.3079E-04
120	-0.3581E-04	0.6784E-05	0.5657E-04	0.7816E-04	0.3963E-04	0.2819E-04	0.1224E-03	0.5464E-03	0.8002E-03	0.3334E-03

121	-0.4021E-04	-0.4556E-04	-0.4195E-04	-0.3779E-04	-0.4758E-04	-0.4999E-04	-0.6722E-04	-0.9057E-04	-0.3118E-04	0.5770E-04
122	0.2156E-04	-0.3787E-04	0.2404E-04	0.5348E-03	0.1008E-02	0.5347E-03	0.2833E-04	0.1836E-04	0.2306E-04	0.1465E-04
123	-0.1672E-04	-0.1348E-04	0.3420E-04	0.4562E-04	0.6243E-04	0.7562E-04	-0.5793E-05	-0.1198E-03	-0.1596E-03	-0.3406E-03
124	-0.5003E-03	-0.3024E-03	-0.1593E-03	-0.1136E-03	0.6197E-04	0.1333E-03	0.4160E-04	0.3903E-04	0.7201E-04	0.6374E-05
125	-0.1415E-04	-0.2594E-04	-0.2431E-04	0.1633E-04	-0.4100E-06	0.1681E-02	0.3370E-02	0.1667E-02	-0.2943E-04	-0.3110E-04
126	-0.7154E-04	-0.1113E-03	-0.3355E-04	0.1282E-04	-0.2514E-04	-0.1386E-04	0.2766E-04	0.7347E-05	-0.6193E-04	-0.1114E-03
127	-0.1338E-03	-0.1612E-03	-0.1784E-03	-0.1079E-03	-0.3028E-04	-0.1908E-04	0.5883E-05	0.1034E-04	0.8795E-05	0.3813E-04
128	0.6063E-04									

DURATION IN S.: 28.753906

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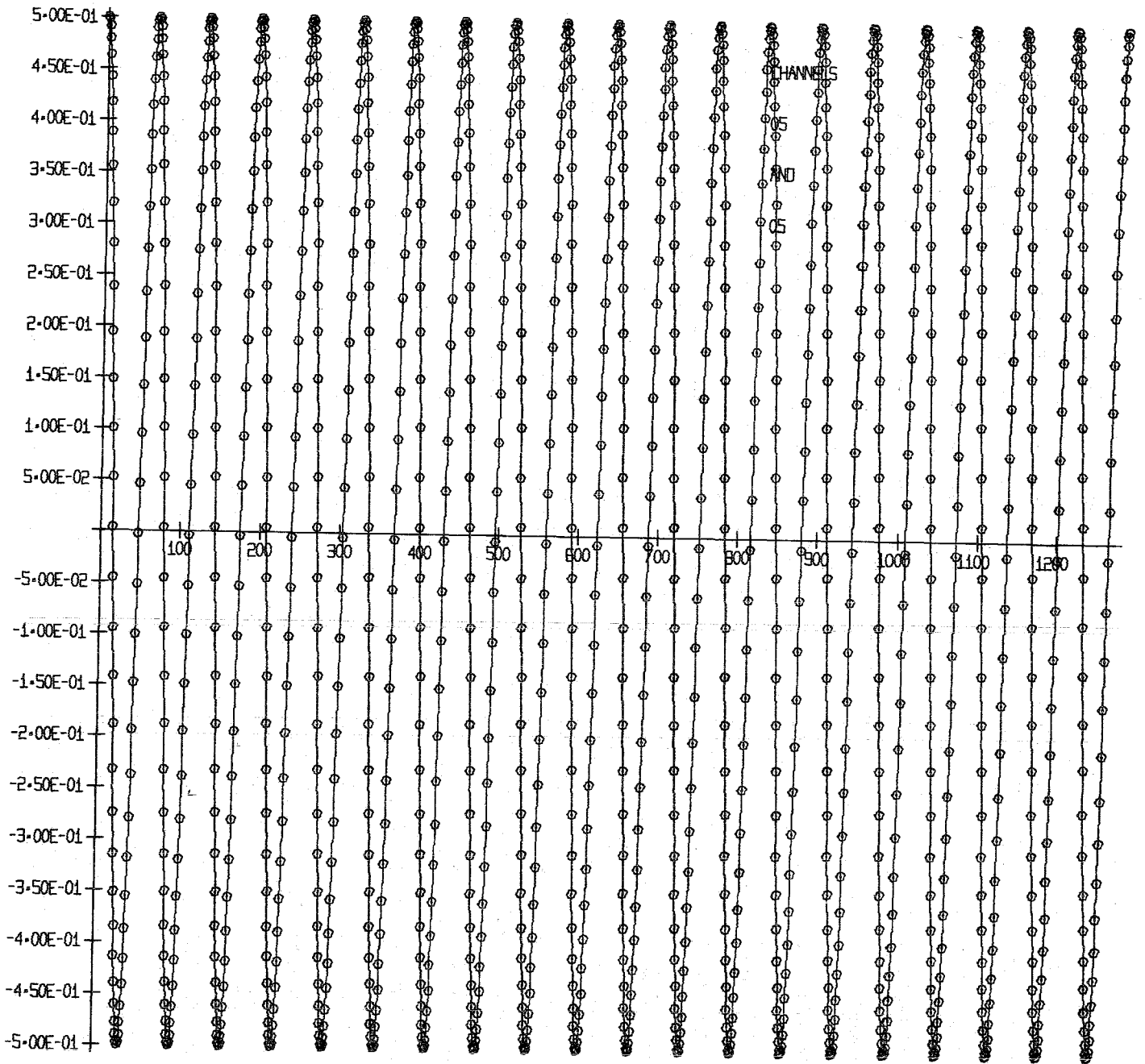


ABB-00001

CORRELATION COEFFICIENTS

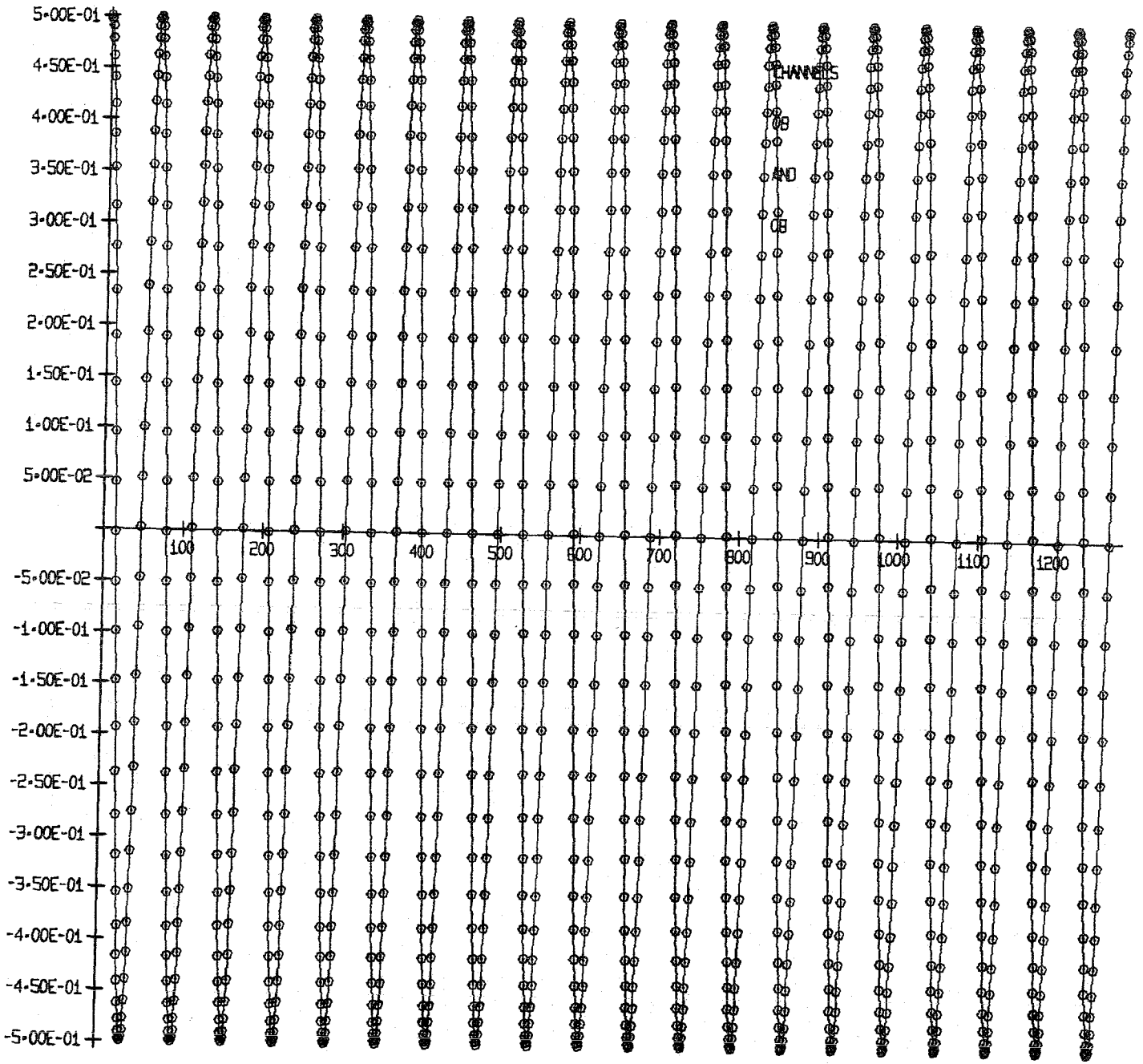


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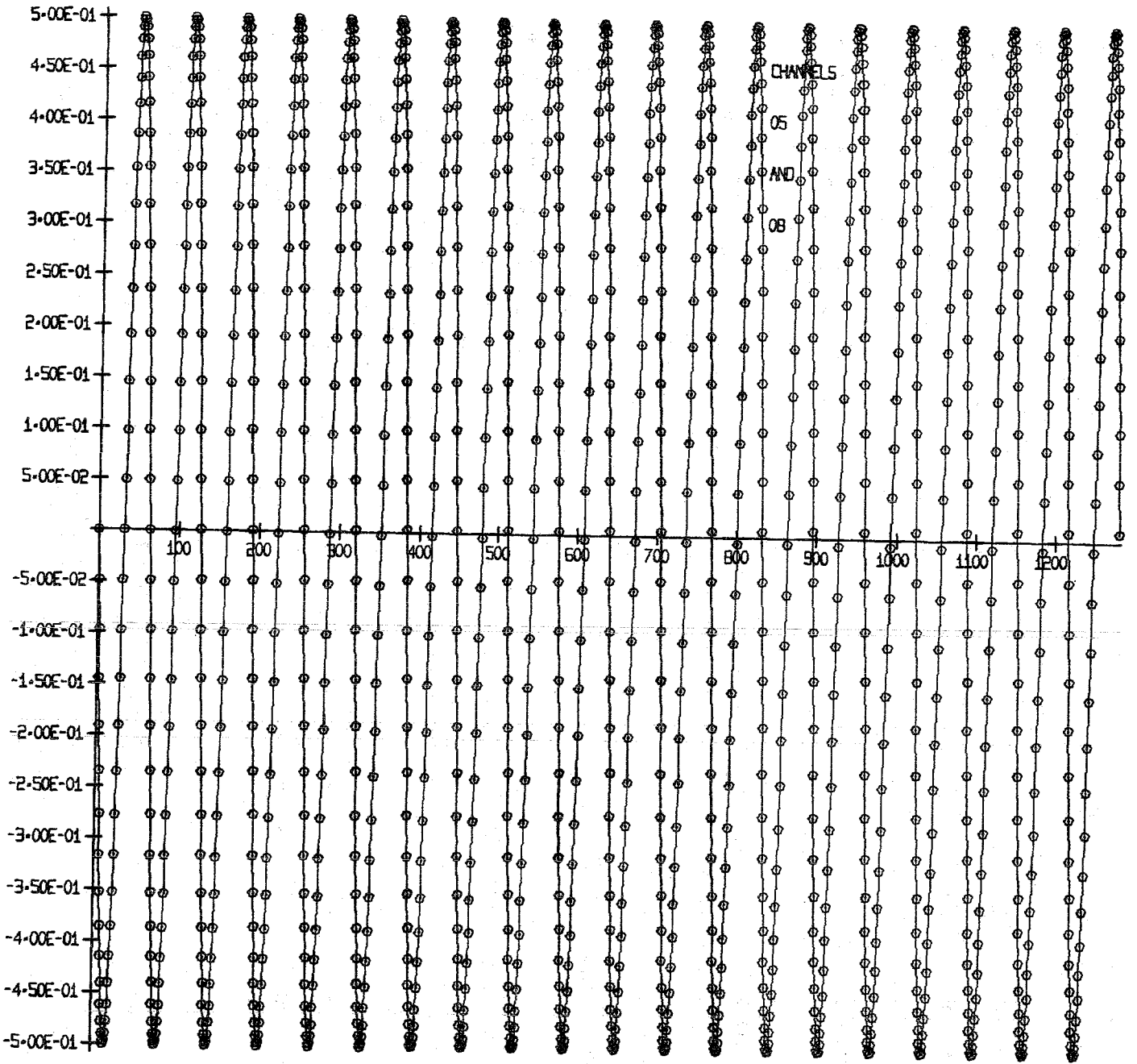


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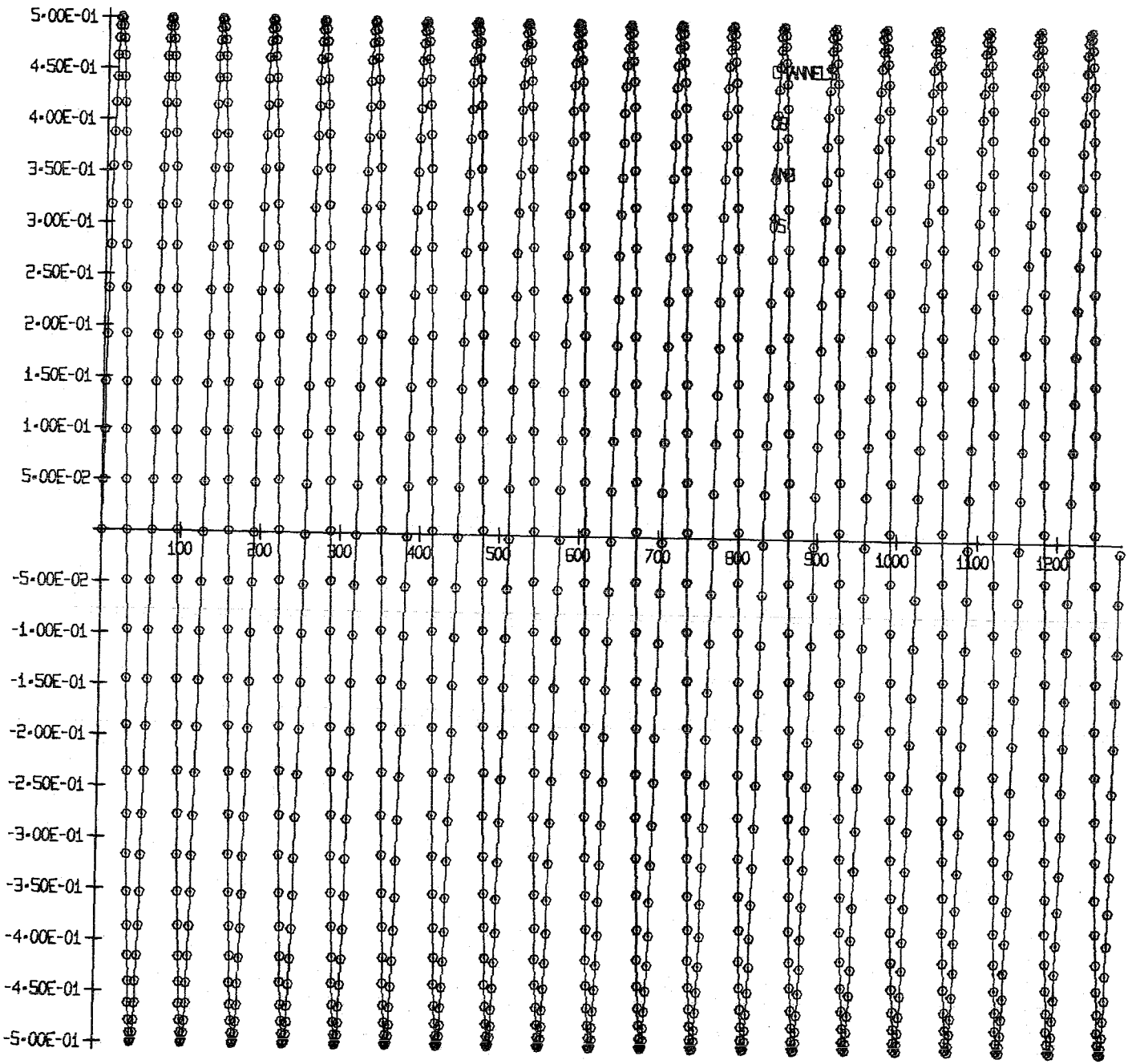


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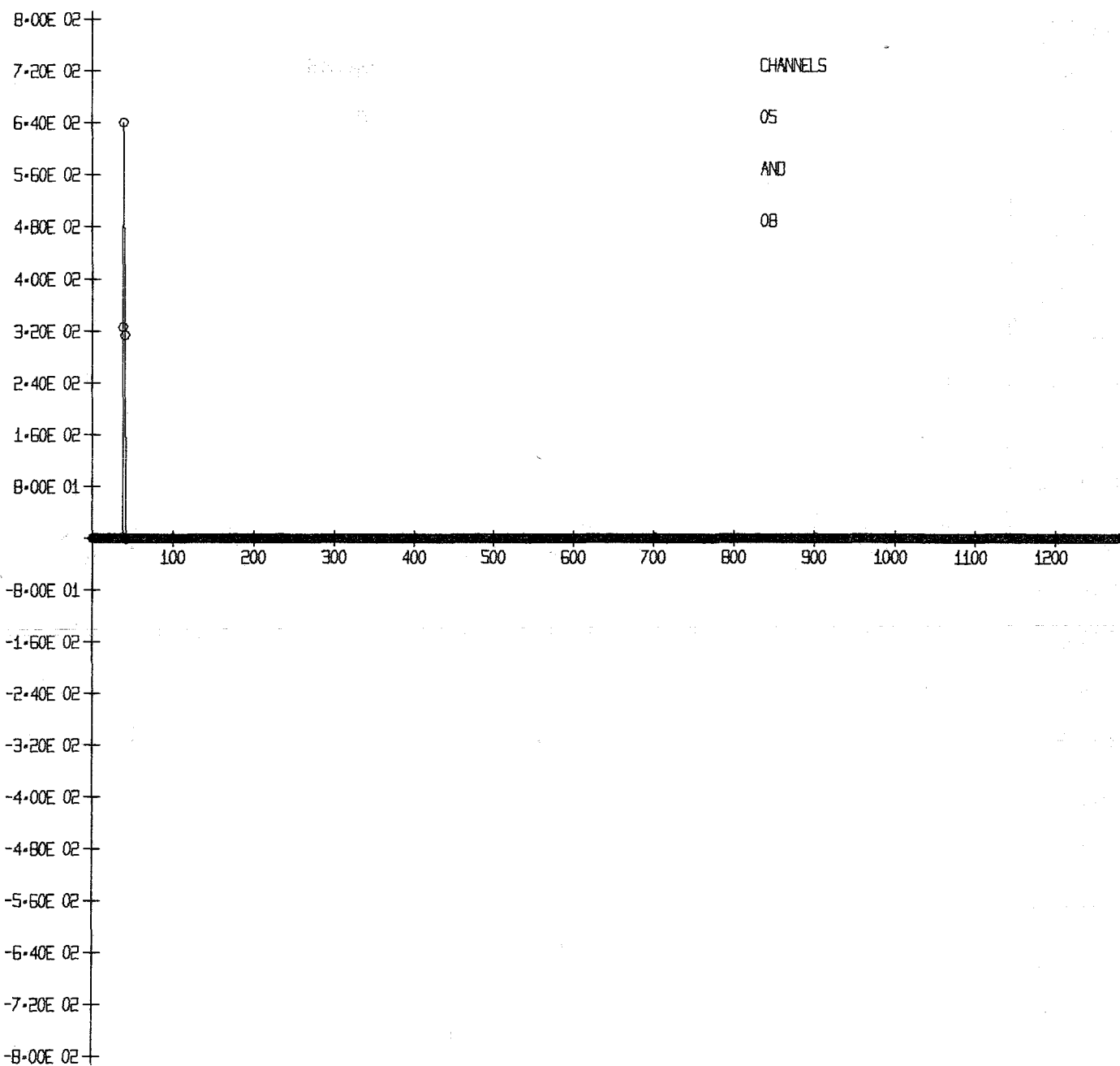


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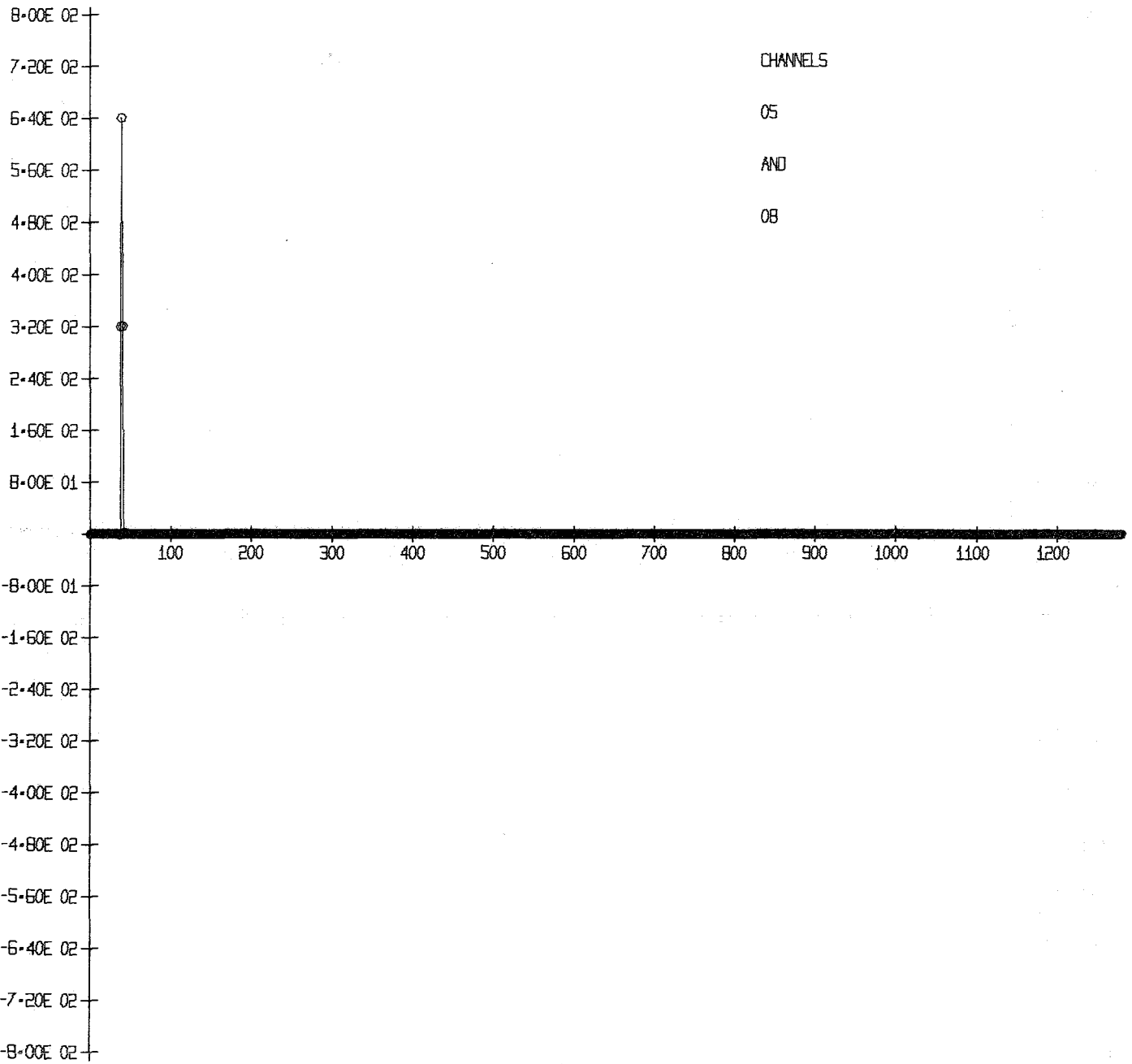


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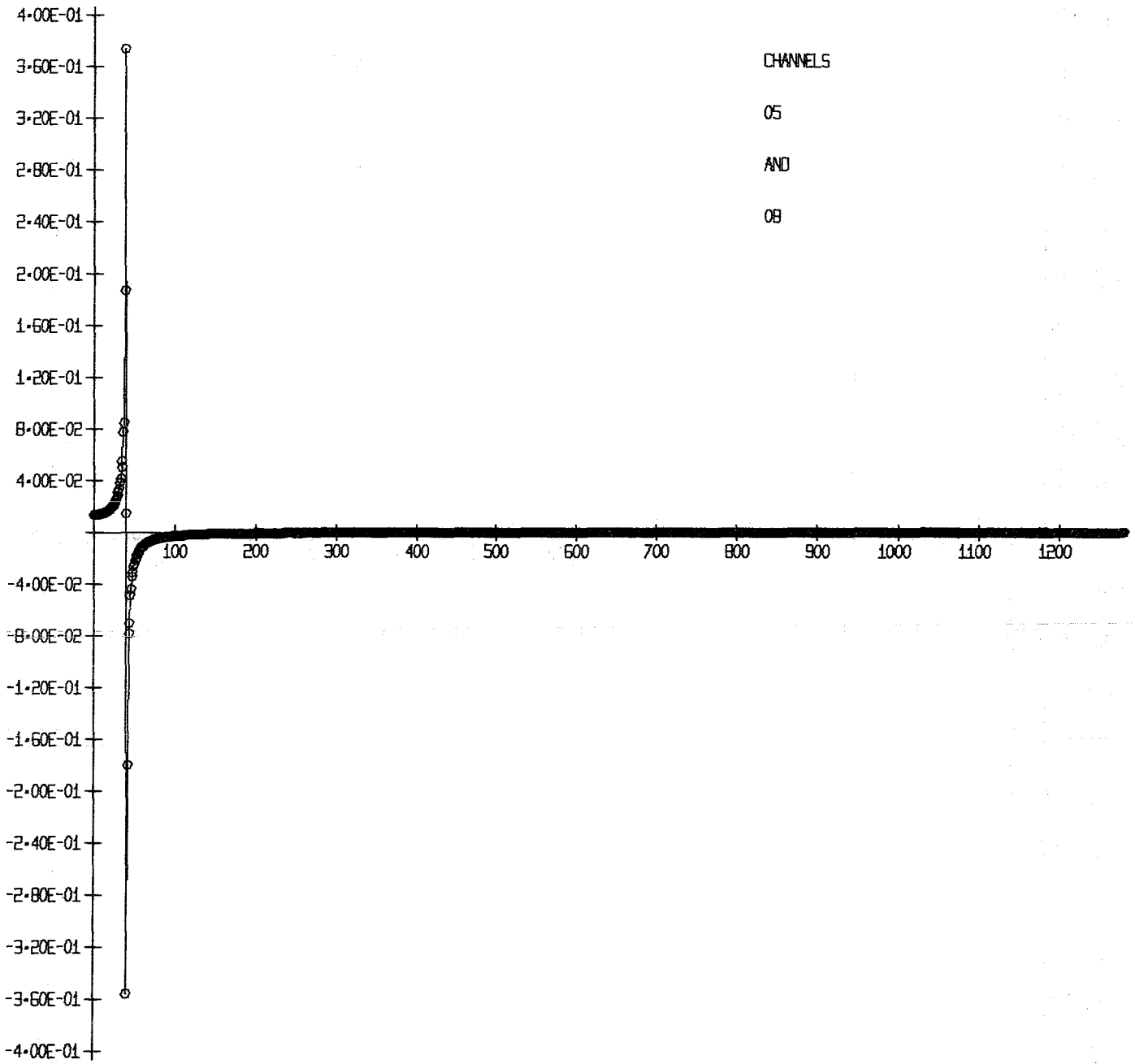


ABB-00004 C CROSS POWER DENSITY FUNCTIONS

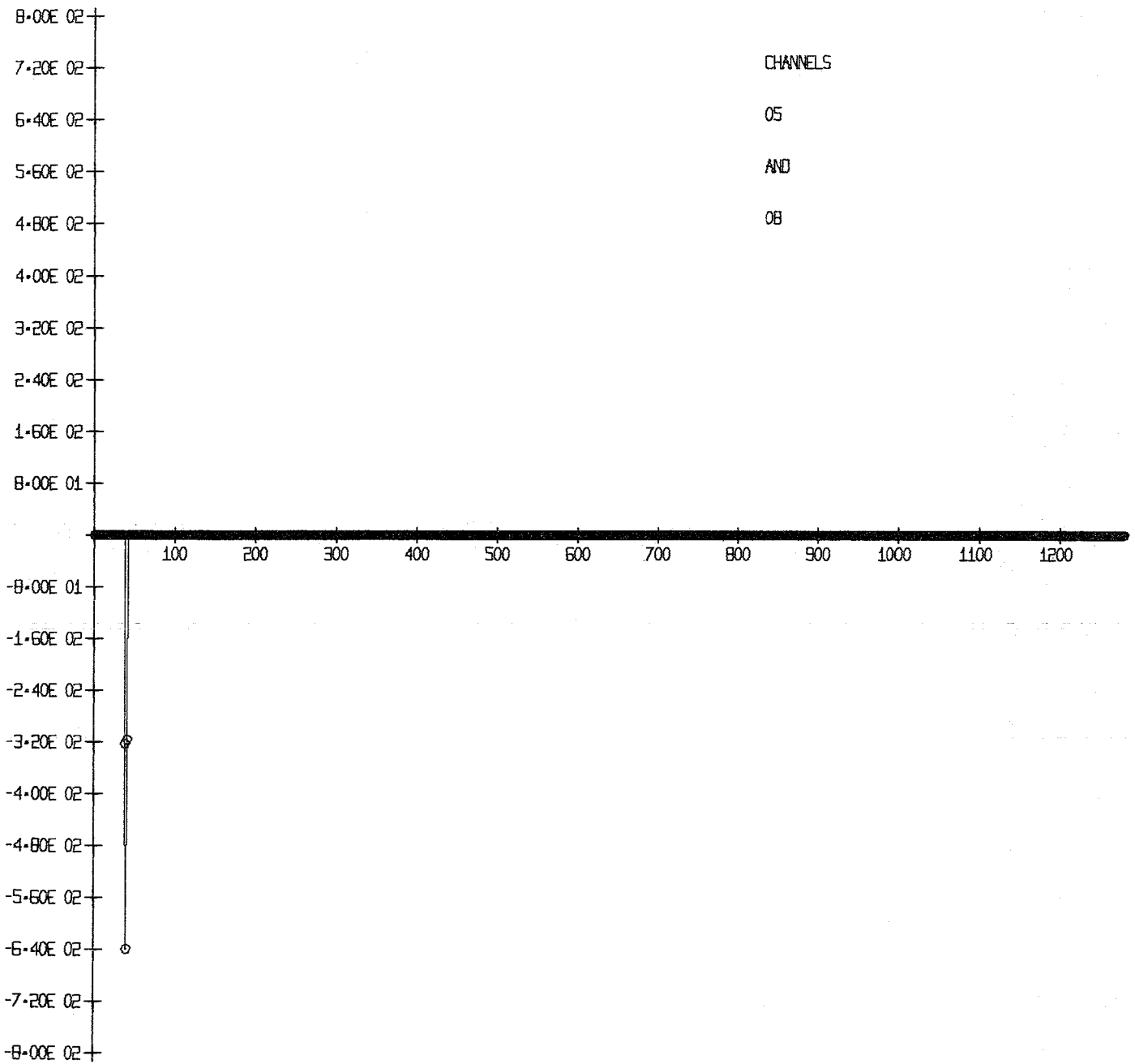


ABB-00005 0 CROSS POWER DENSITY FUNCTIONS

EXECUTION OF THE SUPERVISING PROGRAM.

Appendix 9

NUMBER OF CHANNELS: 16
NUMBER OF BLOCKS: 30
NUMBER OF CORRELATION COEFFICIENTS: 1281
CHANNEL INDEXES: 8 8

EXECUTION OF THE PROGRAM P2.

NUMBER OF CHANNELS ON THE ORIGINAL TAPE:	16
NUMBER OF BLOCKS TO BE COMPUTED:	30
NUMBER OF CORR. COEFF. PER COMBINATION:	1281

COMBINATION TO BE COMPUTED.

FIRST CHANNEL :	8
SECOND CHANNEL:	8
DURATION IN SEC.:	37.400040

CORRELATION COEFFICIENTS FOR CHANNELS 8 AND 8

	0	1	2	3	4	5	6	7	8	9
0	0.4998E 00	0.4972E 00	0.4897E 00	0.4776E 00	0.4608E 00	0.4396E 00	0.4141E 00	0.3847E 00	0.3516E 00	0.3151E 00
1	0.2755E 00	0.2333E 00	0.1889E 00	0.1427E 00	0.9502E-01	0.4646E-01	-0.2547E-02	-0.5152E-01	-0.1000E 00	-0.1475E 00
2	-0.1936E 00	-0.2378E 00	-0.2798E 00	-0.3190E 00	-0.3552E 00	-0.3880E 00	-0.4170E 00	-0.4420E 00	-0.4627E 00	-0.4790E 00
3	-0.4907E 00	-0.4977E 00	-0.4998E 00	-0.4972E 00	-0.4898E 00	-0.4776E 00	-0.4609E 00	-0.4397E 00	-0.4142E 00	-0.3848E 00
4	-0.3517E 00	-0.3152E 00	-0.2757E 00	-0.2335E 00	-0.1891E 00	-0.1428E 00	-0.9519E-01	-0.4663E-01	-0.2369E-02	-0.5135E-01
5	0.9984E-01	0.1474E 00	0.1934E 00	0.2377E 00	0.2796E 00	0.3189E 00	0.3551E 00	0.3878E 00	0.4169E 00	0.4419E 00
6	0.4627E 00	0.4790E 00	0.4907E 00	0.4977E 00	0.4998E 00	0.4972E 00	0.4898E 00	0.4777E 00	0.4609E 00	0.4397E 00
7	0.4143E 00	0.3850E 00	0.3518E 00	0.3154E 00	0.2758E 00	0.2337E 00	0.1892E 00	0.1430E 00	0.9537E-01	0.4681E-01
8	-0.2189E-02	-0.5117E-01	-0.9966E-01	-0.1472E 00	-0.1933E 00	-0.2375E 00	-0.2795E 00	-0.3187E 00	-0.3549E 00	-0.3877E 00
9	-0.4168E 00	-0.4418E 00	-0.4626E 00	-0.4789E 00	-0.4906E 00	-0.4976E 00	-0.4998E 00	-0.4972E 00	-0.4898E 00	-0.4777E 00
10	-0.4610E 00	-0.4398E 00	-0.4144E 00	-0.3851E 00	-0.3520E 00	-0.3155E 00	-0.2760E 00	-0.2338E 00	-0.1894E 00	-0.1472E 00
11	-0.9554E-01	-0.4699E-01	0.2008E-02	0.5099E-01	0.9948E-01	0.1470E 00	0.1931E 00	0.2374E 00	0.2793E 00	0.3186E 00
12	0.3548E 00	0.3876E 00	0.4167E 00	0.4417E 00	0.4625E 00	0.4789E 00	0.4906E 00	0.4976E 00	0.4998E 00	0.4972E 00
13	0.4899E 00	0.4778E 00	0.4611E 00	0.4399E 00	0.4145E 00	0.3852E 00	0.3521E 00	0.3156E 00	0.2761E 00	0.2340E 00
14	0.1896E 00	0.1434E 00	0.9572E-01	0.4717E-01	-0.1824E-02	-0.5080E-01	-0.9930E-01	-0.1468E 00	-0.1929E 00	-0.2372E 00
15	-0.2792E 00	-0.3185E 00	-0.3547E 00	-0.3875E 00	-0.4166E 00	-0.4416E 00	-0.4625E 00	-0.4788E 00	-0.4906E 00	-0.4976E 00
16	-0.4998E 00	-0.4973E 00	-0.4899E 00	-0.4778E 00	-0.4611E 00	-0.4400E 00	-0.4147E 00	-0.3853E 00	-0.3522E 00	-0.3158E 00
17	-0.2763E 00	-0.2341E 00	-0.1897E 00	-0.1435E 00	-0.9591E-01	-0.4736E-01	0.1638E-02	0.5062E-01	0.9912E-01	0.1467E 00
18	0.1928E 00	0.2370E 00	0.2790E 00	0.3183E 00	0.3546E 00	0.3874E 00	0.4165E 00	0.4416E 00	0.4624E 00	0.4788E 00
19	0.4905E 00	0.4976E 00	0.4998E 00	0.4977E 00	0.4899E 00	0.4779E 00	0.4612E 00	0.4401E 00	0.4148E 00	0.3848E 00
20	0.3524E 00	0.3159E 00	0.2764E 00	0.2343E 00	0.1899E 00	0.1437E 00	0.9609E-01	0.4754E-01	-0.1454E-02	-0.5044E-01
21	-0.9894E-01	-0.1465E 00	-0.1926E 00	-0.2369E 00	-0.2789E 00	-0.3182E 00	-0.3544E 00	-0.3873E 00	-0.4164E 00	-0.4415E 00
22	-0.4623E 00	-0.4787E 00	-0.4905E 00	-0.4976E 00	-0.4998E 00	-0.4973E 00	-0.4900E 00	-0.4779E 00	-0.4613E 00	-0.4402E 00
23	-0.4149E 00	-0.3855E 00	-0.3525E 00	-0.3161E 00	-0.2766E 00	-0.2345E 00	-0.1901E 00	-0.1439E 00	-0.9627E-01	-0.4772E-01
24	0.1272E-02	0.5026E-01	0.9876E-01	0.1463E 00	0.1924E 00	0.2367E 00	0.2787E 00	0.3180E 00	0.3543E 00	0.3871E 00
25	0.4163E 00	0.4414E 00	0.4622E 00	0.4787E 00	0.4905E 00	0.4976E 00	0.4998E 00	0.4973E 00	0.4900E 00	0.4780E 00
26	0.4613E 00	0.4403E 00	0.4150E 00	0.3856E 00	0.3526E 00	0.3162E 00	0.2768E 00	0.2346E 00	0.1903E 00	0.1441E 00
27	0.9644E-01	0.4790E-01	-0.1092E-02	-0.5008E-01	-0.9858E-01	-0.1461E 00	-0.1923E 00	-0.2366E 00	-0.2786E 00	-0.3179E 00
28	-0.3542E 00	-0.3870E 00	-0.4162E 00	-0.4413E 00	-0.4622E 00	-0.4786E 00	-0.4904E 00	-0.4975E 00	-0.4998E 00	-0.4973E 00
29	-0.4900E 00	-0.4780E 00	-0.4614E 00	-0.4404E 00	-0.4151E 00	-0.3858E 00	-0.3528E 00	-0.3163E 00	-0.2769E 00	-0.2348E 00
30	-0.1904E 00	-0.1442E 00	-0.9662E-01	-0.4808E-01	0.9141E-03	0.4990E-01	0.9841E-01	0.1460E 00	0.1921E 00	0.2364E 00
31	0.2784E 00	0.3178E 00	0.3540E 00	0.3869E 00	0.4161E 00	0.4412E 00	0.4621E 00	0.4786E 00	0.4904E 00	0.4975E 00
32	0.4998E 00	0.4973E 00	0.4901E 00	0.4781E 00	0.4615E 00	0.4404E 00	0.4152E 00	0.3859E 00	0.3529E 00	0.3165E 00
33	0.2770E 00	0.2349E 00	0.1906E 00	0.1444E 00	0.9679E-01	0.4825E-01	-0.7390E-03	-0.4973E-01	-0.9824E-01	-0.1458E 00
34	-0.1920E 00	-0.2362E 00	-0.2783E 00	-0.3176E 00	-0.3539E 00	-0.3868E 00	-0.4160E 00	-0.4411E 00	-0.4620E 00	-0.4785E 00
35	-0.4904E 00	-0.4975E 00	-0.4998E 00	-0.4974E 00	-0.4901E 00	-0.4781E 00	-0.4615E 00	-0.4405E 00	-0.4152E 00	-0.3860E 00
36	-0.3530E 00	-0.3166E 00	-0.2772E 00	-0.2351E 00	-0.1907E 00	-0.1446E 00	-0.9696E-01	-0.4843E-01	0.5665E-03	0.4955E-01
37	0.9807E-01	0.1456E 00	0.1918E 00	0.2361E 00	0.2781E 00	0.3175E 00	0.3538E 00	0.3867E 00	0.4159E 00	0.4411E 00
38	0.4620E 00	0.4785E 00	0.4903E 00	0.4975E 00	0.4998E 00	0.4974E 00	0.4901E 00	0.4782E 00	0.4616E 00	0.4406E 00
39	0.4153E 00	0.3861E 00	0.3531E 00	0.3168E 00	0.2773E 00	0.2352E 00	0.1909E 00	0.1447E 00	0.9712E-01	0.4859E-01
40	-0.3968E-03	-0.4938E-01	-0.9790E-01	-0.1455E 00	-0.1916E 00	-0.2359E 00	-0.2780E 00	-0.3174E 00	-0.3537E 00	-0.3866E 00
41	-0.4158E 00	-0.4410E 00	-0.4619E 00	-0.4784E 00	-0.4903E 00	-0.4975E 00	-0.4998E 00	-0.4974E 00	-0.4900E 00	-0.4782E 00
42	-0.4617E 00	-0.4407E 00	-0.4154E 00	-0.3862E 00	-0.3532E 00	-0.3169E 00	-0.2775E 00	-0.2354E 00	-0.1911E 00	-0.1449E 00
43	-0.9729E-01	-0.4876E-01	0.2301E-03	0.4922E-01	0.9774E-01	0.1453E 00	0.1915E 00	0.2358E 00	0.2779E 00	0.3172E 00
44	0.3536E 00	0.3865E 00	0.4157E 00	0.4409E 00	0.4618E 00	0.4784E 00	0.4903E 00	0.4974E 00	0.4998E 00	0.4974E 00
45	0.4902E 00	0.4783E 00	0.4617E 00	0.4408E 00	0.4155E 00	0.3863E 00	0.3534E 00	0.3170E 00	0.2776E 00	0.2355E 00
46	0.1912E 00	0.1450E 00	0.9745E-01	0.4892E-01	-0.6667E-04	-0.4906E-01	-0.9758E-01	-0.1452E 00	-0.1913E 00	-0.2357E 00
47	-0.2777E 00	-0.3171E 00	-0.3534E 00	-0.3864E 00	-0.4156E 00	-0.4408E 00	-0.4618E 00	-0.4783E 00	-0.4902E 00	-0.4974E 00
48	-0.4998E 00	-0.4974E 00	-0.4902E 00	-0.4783E 00	-0.4618E 00	-0.4408E 00	-0.4156E 00	-0.3864E 00	-0.3535E 00	-0.3171E 00
49	-0.2777E 00	-0.2357E 00	-0.1914E 00	-0.1452E 00	-0.9760E-01	-0.4908E-01	-0.9338E-04	0.4890E-01	0.9742E-01	0.1450E 00
50	0.1912E 00	0.2355E 00	0.2776E 00	0.3170E 00	0.3533E 00	0.3863E 00	0.4155E 00	0.4407E 00	0.4617E 00	0.4783E 00
51	0.4902E 00	0.4974E 00	0.4998E 00	0.4974E 00	0.4903E 00	0.4784E 00	0.4619E 00	0.4409E 00	0.4157E 00	0.3865E 00
52	0.3536E 00	0.3173E 00	0.2779E 00	0.2358E 00	0.1915E 00	0.1453E 00	0.9776E-01	0.4924E-01	0.2497E-03	-0.4974E-01
53	-0.9727E-01	-0.1449E 00	-0.1910E 00	-0.2354E 00	-0.2775E 00	-0.3169E 00	-0.3532E 00	-0.3862E 00	-0.4154E 00	-0.4407E 00
54	-0.4617E 00	-0.4782E 00	-0.4902E 00	-0.4974E 00	-0.4998E 00	-0.4975E 00	-0.4903E 00	-0.4784E 00	-0.4619E 00	-0.4410E 00
55	-0.4158E 00	-0.3866E 00	-0.3537E 00	-0.3174E 00	-0.2780E 00	-0.2360E 00	-0.1917E 00	-0.1455E 00	-0.9791E-01	-0.4939E-01
56	-0.4022E-03	0.4859E-01	0.9712E-01	0.1447E 00	0.1909E 00	0.2353E 00	0.2773E 00	0.3169E 00	0.3531E 00	0.3861E 00
57	0.4153E 00	0.4406E 00	0.4616E 00	0.4782E 00	0.4901E 00	0.4974E 00	0.4998E 00	0.4975E 00	0.4903E 00	0.4785E 00
58	0.4620E 00	0.4410E 00	0.4159E 00	0.3867E 00	0.3538E 00	0.3175E 00	0.2781E 00	0.2361E 00	0.1918E 00	0.1456E 00
59	0.9805E-01	0.4954E-01	0.5504E-03	-0.4844E-01	-0.9697E-01	-0.1446E 00	-0.1908E 00	-0.2351E 00	-0.2772E 00	-0.3166E 00
60	-0.3530E 00	-0.3860E 00	-0.4153E 00	-0.4405E 00	-0.4616E 00	-0.4781E 00	-0.4901E 00	-0.4974E 00	-0.4998E 00	-0.4975E 00

61	-0.4903E 00	-0.4785E 00	-0.4620E 00	-0.4411E 00	-0.4160E 00	-0.3868E 00	-0.3539E 00	-0.3176E 00	-0.2783E 00	-0.2362E 00
62	-0.1919E 00	-0.1458E 00	-0.9819E-01	-0.4968E-01	-0.6942E-03	0.4830E-01	0.9683E-01	0.1444E 00	0.1906E 00	0.2350E 00
63	0.2771E 00	0.3165E 00	0.3529E 00	0.3859E 00	0.4152E 00	0.4405E 00	0.4615E 00	0.4781E 00	0.4901E 00	0.4973E 00
64	0.4998E 00	0.4975E 00	0.4904E 00	0.4785E 00	0.4621E 00	0.4412E 00	0.4160E 00	0.3869E 00	0.3540E 00	0.3177E 00
65	0.2784E 00	0.2363E 00	0.1921E 00	0.1459E 00	0.9833E-01	0.4982E-01	0.8331E-03	-0.4816E-01	-0.9669E-01	-0.1443E 00
66	-0.1905E 00	-0.2349E 00	-0.2770E 00	-0.3164E 00	-0.3528E 00	-0.3858E 00	-0.4151E 00	-0.4404E 00	-0.4614E 00	-0.4781E 00
67	-0.4901E 00	-0.4973E 00	-0.4998E 00	-0.4975E 00	-0.4904E 00	-0.4786E 00	-0.4621E 00	-0.4412E 00	-0.4161E 00	-0.3870E 00
68	-0.3541E 00	-0.3178E 00	-0.2785E 00	-0.2365E 00	-0.1922E 00	-0.1460E 00	-0.9846E-01	-0.4995E-01	-0.9667E-03	0.4803E-01
69	0.9656E-01	0.1442E 00	0.1904E 00	0.2348E 00	0.2769E 00	0.3163E 00	0.3527E 00	0.3857E 00	0.4150E 00	0.4403E 00
70	0.4614E 00	0.4780E 00	0.4900E 00	0.4973E 00	0.4998E 00	0.4975E 00	0.4904E 00	0.4786E 00	0.4622E 00	0.4413E 00
71	0.4162E 00	0.3870E 00	0.3542E 00	0.3179E 00	0.2786E 00	0.2366E 00	0.1923E 00	0.1461E 00	0.9859E-01	0.5008E-01
72	0.1095E-02	-0.4790E-01	-0.9644E-01	-0.1440E 00	-0.1903E 00	-0.2347E 00	-0.2768E 00	-0.3162E 00	-0.3526E 00	-0.3875E 00
73	-0.4150E 00	-0.4403E 00	-0.4613E 00	-0.4780E 00	-0.4900E 00	-0.4973E 00	-0.4998E 00	-0.4975E 00	-0.4904E 00	-0.4786E 00
74	-0.4622E 00	-0.4414E 00	-0.4162E 00	-0.3871E 00	-0.3543E 00	-0.3180E 00	-0.2787E 00	-0.2367E 00	-0.1924E 00	-0.1463E 00
75	-0.9871E-01	-0.5020E-01	-0.1217E-02	0.4778E-01	0.9632E-01	0.1439E 00	0.1902E 00	0.2345E 00	0.2767E 00	0.3161E 00
76	0.3526E 00	0.3856E 00	0.4149E 00	0.4402E 00	0.4613E 00	0.4779E 00	0.4900E 00	0.4973E 00	0.4998E 00	0.4975E 00
77	0.4905E 00	0.4787E 00	0.4623E 00	0.4414E 00	0.4163E 00	0.3872E 00	0.3544E 00	0.3181E 00	0.2788E 00	0.2368E 00
78	0.1925E 00	0.1464E 00	0.9882E-01	0.5032E-01	0.1332E-02	-0.4766E-01	-0.9621E-01	-0.1438E 00	-0.1901E 00	-0.2344E 00
79	-0.2766E 00	-0.3160E 00	-0.3525E 00	-0.3855E 00	-0.4148E 00	-0.4402E 00	-0.4613E 00	-0.4779E 00	-0.4900E 00	-0.4973E 00
80	-0.4998E 00	-0.4976E 00	-0.4905E 00	-0.4787E 00	-0.4623E 00	-0.4415E 00	-0.4164E 00	-0.3873E 00	-0.3544E 00	-0.3182E 00
81	-0.2789E 00	-0.2369E 00	-0.1926E 00	-0.1465E 00	-0.9892E-01	-0.5042E-01	-0.1440E-02	0.4756E-01	0.9610E-01	0.1377E 00
82	0.1900E 00	0.2344E 00	0.2765E 00	0.3160E 00	0.3524E 00	0.3854E 00	0.4148E 00	0.4401E 00	0.4612E 00	0.4779E 00
83	0.4899E 00	0.4973E 00	0.4998E 00	0.4976E 00	0.4905E 00	0.4787E 00	0.4624E 00	0.4415E 00	0.4164E 00	0.3873E 00
84	0.3545E 00	0.3183E 00	0.2790E 00	0.2370E 00	0.1927E 00	0.1466E 00	0.9902E-01	0.5052E-01	0.1540E-02	-0.4746E-01
85	-0.9600E-01	-0.1436E 00	-0.1899E 00	-0.2343E 00	-0.2764E 00	-0.3159E 00	-0.3523E 00	-0.3854E 00	-0.4147E 00	-0.4401E 00
86	-0.4612E 00	-0.4778E 00	-0.4899E 00	-0.4973E 00	-0.4998E 00	-0.4976E 00	-0.4905E 00	-0.4788E 00	-0.4624E 00	-0.4416E 00
87	-0.4165E 00	-0.3874E 00	-0.3546E 00	-0.3183E 00	-0.2790E 00	-0.2371E 00	-0.1928E 00	-0.1467E 00	-0.9911E-01	-0.5061E-01
88	-0.1632E-02	0.4737E-01	0.9591E-01	0.1435E 00	0.1898E 00	0.2342E 00	0.2763E 00	0.3158E 00	0.3523E 00	0.3853E 00
89	0.4147E 00	0.4400E 00	0.4611E 00	0.4778E 00	0.4899E 00	0.4972E 00	0.4998E 00	0.4976E 00	0.4905E 00	0.4788E 00
90	0.4624E 00	0.4416E 00	0.4165E 00	0.3874E 00	0.3546E 00	0.3184E 00	0.2791E 00	0.2371E 00	0.1929E 00	0.1467E 00
91	0.9919E-01	0.5070E-01	0.1714E-02	-0.4728E-01	-0.9583E-01	-0.1435E 00	-0.1897E 00	-0.2341E 00	-0.2763E 00	-0.3158E 00
92	-0.3522E 00	-0.3853E 00	-0.4146E 00	-0.4400E 00	-0.4611E 00	-0.4778E 00	-0.4899E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00
93	-0.4906E 00	-0.4788E 00	-0.4624E 00	-0.4416E 00	-0.4166E 00	-0.3875E 00	-0.3547E 00	-0.3185E 00	-0.2792E 00	-0.2372E 00
94	-0.1929E 00	-0.1468E 00	-0.9926E-01	-0.5077E-01	-0.1786E-02	0.4721E-01	0.9576E-01	0.1434E 00	0.1896E 00	0.2341E 00
95	0.2762E 00	0.3157E 00	0.3522E 00	0.3852E 00	0.4146E 00	0.4399E 00	0.4611E 00	0.4778E 00	0.4899E 00	0.4972E 00
96	0.4998E 00	0.4976E 00	0.4906E 00	0.4788E 00	0.4625E 00	0.4417E 00	0.4166E 00	0.3875E 00	0.3547E 00	0.3185E 00
97	0.2792E 00	0.2373E 00	0.1930E 00	0.1469E 00	0.9932E-01	0.5083E-01	0.1846E-02	-0.4715E-01	-0.9570E-01	-0.1423E 00
98	-0.1896E 00	-0.2340E 00	-0.2762E 00	-0.3157E 00	-0.3521E 00	-0.3852E 00	-0.4146E 00	-0.4399E 00	-0.4611E 00	-0.4778E 00
99	-0.4899E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00	-0.4906E 00	-0.4788E 00	-0.4625E 00	-0.4417E 00	-0.4166E 00	-0.3876E 00
100	-0.3548E 00	-0.3186E 00	-0.2793E 00	-0.2373E 00	-0.1930E 00	-0.1469E 00	-0.9937E-01	-0.5088E-01	-0.1894E-02	0.4711E-01
101	0.9565E-01	0.1433E 00	0.1895E 00	0.2340E 00	0.2761E 00	0.3156E 00	0.3521E 00	0.3852E 00	0.4145E 00	0.4399E 00
102	0.4610E 00	0.4777E 00	0.4898E 00	0.4972E 00	0.4998E 00	0.4976E 00	0.4906E 00	0.4789E 00	0.4625E 00	0.4417E 00
103	0.4167E 00	0.3876E 00	0.3548E 00	0.3186E 00	0.2793E 00	0.2373E 00	0.1931E 00	0.1469E 00	0.9940E-01	0.5091E-01
104	0.1928E-02	-0.4707E-01	-0.9562E-01	-0.1433E 00	-0.1895E 00	-0.2339E 00	-0.2761E 00	-0.3156E 00	-0.3521E 00	-0.3851E 00
105	-0.4145E 00	-0.4399E 00	-0.4610E 00	-0.4777E 00	-0.4898E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00	-0.4906E 00	-0.4789E 00
106	-0.4625E 00	-0.4417E 00	-0.4167E 00	-0.3876E 00	-0.3548E 00	-0.3186E 00	-0.2793E 00	-0.2373E 00	-0.1931E 00	-0.1470E 00
107	-0.9942E-01	-0.5093E-01	-0.1946E-02	0.4705E-01	0.9560E-01	0.1432E 00	0.1895E 00	0.2339E 00	0.2761E 00	0.3156E 00
108	0.3521E 00	0.3851E 00	0.4145E 00	0.4399E 00	0.4610E 00	0.4777E 00	0.4898E 00	0.4972E 00	0.4998E 00	0.4976E 00
109	0.4906E 00	0.4789E 00	0.4625E 00	0.4417E 00	0.4167E 00	0.3876E 00	0.3548E 00	0.3186E 00	0.2793E 00	0.2373E 00
110	0.1931E 00	0.1470E 00	0.9942E-01	0.5093E-01	0.1948E-02	-0.4705E-01	-0.9560E-01	-0.1432E 00	-0.1895E 00	-0.2339E 00
111	-0.2761E 00	-0.3156E 00	-0.3521E 00	-0.3851E 00	-0.4145E 00	-0.4399E 00	-0.4610E 00	-0.4777E 00	-0.4898E 00	-0.4972E 00
112	-0.4998E 00	-0.4976E 00	-0.4906E 00	-0.4789E 00	-0.4625E 00	-0.4417E 00	-0.4167E 00	-0.3876E 00	-0.3548E 00	-0.3186E 00
113	-0.2793E 00	-0.2373E 00	-0.1931E 00	-0.1469E 00	-0.9941E-01	-0.5091E-01	-0.1929E-02	0.4707E-01	0.9562E-01	0.1423E 00
114	0.1895E 00	0.2339E 00	0.2761E 00	0.3156E 00	0.3521E 00	0.3852E 00	0.4145E 00	0.4399E 00	0.4610E 00	0.4777E 00
115	0.4898E 00	0.4972E 00	0.4998E 00	0.4976E 00	0.4906E 00	0.4788E 00	0.4625E 00	0.4417E 00	0.4166E 00	0.3876E 00
116	0.3548E 00	0.3186E 00	0.2793E 00	0.2373E 00	0.1930E 00	0.1469E 00	0.9937E-01	0.5087E-01	0.1899E-02	-0.4711E-01
117	-0.9566E-01	-0.1433E 00	-0.1895E 00	-0.2340E 00	-0.2761E 00	-0.3156E 00	-0.3521E 00	-0.3852E 00	-0.4145E 00	-0.4399E 00
118	-0.4611E 00	-0.4778E 00	-0.4898E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00	-0.4906E 00	-0.4788E 00	-0.4625E 00	-0.4417E 00
119	-0.4166E 00	-0.3875E 00	-0.3547E 00	-0.3185E 00	-0.2792E 00	-0.2372E 00	-0.1930E 00	-0.1468E 00	-0.9930E-01	-0.5081E-01
120	-0.1824E-02	0.4718E-01	0.9573E-01	0.1434E 00	0.1896E 00	0.2340E 00	0.2762E 00	0.3157E 00	0.3522E 00	0.3852E 00

121	0.4146E 00	0.4400E 00	0.4611E 00	0.4778E 00	0.4899E 00	0.4972E 00	0.4998E 00	0.4976E 00	0.4906E 00	0.4788E 00
122	0.4625E 00	0.4416E 00	0.4166E 00	0.3875E 00	0.3547E 00	0.3185E 00	0.2792E 00	0.2372E 00	0.1929E 00	0.1469E 00
123	0.9921E-01	0.5072E-01	0.1730E-02	-0.4727E-01	-0.9582E-01	-0.1434E 00	-0.1897E 00	-0.2341E 00	-0.2763E 00	-0.3159E 00
124	-0.3522E 00	-0.3853E 00	-0.4146E 00	-0.4400E 00	-0.4611E 00	-0.4778E 00	-0.4899E 00	-0.4972E 00	-0.4998E 00	-0.4976E 00
125	-0.4905E 00	-0.4788E 00	-0.4624E 00	-0.4416E 00	-0.4165E 00	-0.3874E 00	-0.3546E 00	-0.3184E 00	-0.2790E 00	-0.2371E 00
126	-0.1928E 00	-0.1466E 00	-0.9909E-01	-0.5059E-01	-0.1604E-02	0.4740E-01	0.9595E-01	0.1436E 00	0.1898E 00	0.2342E 00
127	0.2764E 00	0.3159E 00	0.3523E 00	0.3854E 00	0.4147E 00	0.4401E 00	0.4612E 00	0.4778E 00	0.4899E 00	0.4972E 00
128	0.4998E 00									

IDPLOT = 00001 RANGE WARNING

EXECUTION OF THE PROGRAM P3.

NUMBER OF CHANNELS ON THE ORIGINAL TAPE:	16
NUMBER OF BLOCKS TO BE COMPUTED:	30
NUMBER OF CORR. COEFF. PER COMBINATION:	1281

CHANNELS:	8	8
FREQUENCY INTERVAL	0.1000000E 01	

POWER SPECTRAL DENSITY FUNCTIONS.CHANNELS 8 AND 8

	0	1	2	3	4	5	6	7	8	9
0	-0.1072E 00	-0.1073E 00	-0.1076E 00	-0.1081E 00	-0.1087E 00	-0.1094E 00	-0.1106E 00	-0.1087E 00	-0.1058E 00	-0.1100E 00
1	-0.1154E 00	-0.1176E 00	-0.1226E 00	-0.1278E 00	-0.1260E 00	-0.1246E 00	-0.1280E 00	-0.1319E 00	-0.1357E 00	-0.1400E 00
2	-0.1446E 00	-0.1502E 00	-0.1559E 00	-0.1630E 00	-0.1705E 00	-0.1796E 00	-0.1893E 00	-0.2016E 00	-0.2148E 00	-0.2324E 00
3	-0.2512E 00	-0.2780E 00	-0.3069E 00	-0.3517E 00	-0.4005E 00	-0.4492E 00	-0.5041E 00	-0.8828E 00	-0.9325E 00	0.3197E 03
4	0.6396E 03	0.3199E 03	0.8614E 00	0.8222E 00	0.5272E 00	0.4388E 00	0.3479E 00	0.3002E 00	0.2548E 00	0.2257E 00
5	0.1987E 00	0.1797E 00	0.1619E 00	0.1484E 00	0.1358E 00	0.1259E 00	0.1166E 00	0.1088E 00	0.1016E 00	0.9567E-01
6	0.8985E-01	0.8496E-01	0.8035E-01	0.7633E-01	0.7232E-01	0.6886E-01	0.6562E-01	0.6269E-01	0.5984E-01	0.5740E-01
7	0.5506E-01	0.5300E-01	0.5090E-01	0.4888E-01	0.4696E-01	0.4524E-01	0.4361E-01	0.4213E-01	0.4069E-01	0.3939E-01
8	0.3810E-01	0.3700E-01	0.3592E-01	0.3485E-01	0.3381E-01	0.3276E-01	0.3173E-01	0.3090E-01	0.3011E-01	0.2932E-01
9	0.2848E-01	0.2777E-01	0.2709E-01	0.2639E-01	0.2573E-01	0.2512E-01	0.2454E-01	0.2396E-01	0.2336E-01	0.2287E-01
10	0.2241E-01	0.2191E-01	0.2143E-01	0.2106E-01	0.2060E-01	0.2005E-01	0.1956E-01	0.1915E-01	0.1881E-01	0.1860E-01
11	0.1829E-01	0.1787E-01	0.1743E-01	0.1710E-01	0.1681E-01	0.1663E-01	0.1639E-01	0.1630E-01	0.1633E-01	0.1633E-01
12	0.1330E-01	0.1670E-01	0.1776E-01	0.1485E-01	0.1433E-01	0.1399E-01	0.1368E-01	0.1351E-01	0.1328E-01	0.1296E-01
13	0.1276E-01	0.1264E-01	0.1240E-01	0.1212E-01	0.1188E-01	0.1176E-01	0.1161E-01	0.1134E-01	0.1115E-01	0.1109E-01
14	0.1086E-01	0.1062E-01	0.1054E-01	0.1046E-01	0.1028E-01	0.1010E-01	0.1001E-01	0.9891E-02	0.9664E-02	0.9466E-02
15	0.9378E-02	0.9305E-02	0.9306E-02	0.9399E-02	0.9282E-02	0.9058E-02	0.8912E-02	0.8803E-02	0.8682E-02	0.8552E-02
16	0.8418E-02	0.8296E-02	0.8204E-02	0.8112E-02	0.8026E-02	0.7919E-02	0.7804E-02	0.8262E-02	0.8754E-02	0.8198E-02
17	0.7611E-02	0.7519E-02	0.7430E-02	0.7347E-02	0.7237E-02	0.7090E-02	0.6971E-02	0.6917E-02	0.6833E-02	0.6736E-02
18	0.6703E-02	0.6607E-02	0.6490E-02	0.6503E-02	0.6465E-02	0.6310E-02	0.6224E-02	0.6192E-02	0.6120E-02	0.6042E-02
19	0.6000E-02	0.5947E-02	0.5901E-02	0.5816E-02	0.5721E-02	0.5533E-02	0.5551E-02	0.4920E-02	0.4894E-02	0.4825E-02
20	0.1473E-01	0.1011E-01	0.4852E-02	0.4860E-02	0.5278E-02	0.5077E-02	0.5022E-02	0.4910E-02	0.5008E-02	0.5065E-02
21	0.5021E-02	0.4899E-02	0.4818E-02	0.4840E-02	0.4845E-02	0.4752E-02	0.4652E-02	0.4593E-02	0.4555E-02	0.4571E-02
22	0.4636E-02	0.4615E-02	0.4454E-02	0.4363E-02	0.4386E-02	0.4332E-02	0.4257E-02	0.4257E-02	0.3988E-02	0.3688E-02
23	0.3933E-02	0.4132E-02	0.4058E-02	0.4079E-02	0.4088E-02	0.4022E-02	0.3960E-02	0.3964E-02	0.3969E-02	0.3937E-02
24	0.3877E-02	0.3805E-02	0.3735E-02	0.3663E-02	0.3669E-02	0.3763E-02	0.3732E-02	0.3539E-02	0.3446E-02	0.3498E-02
25	0.3491E-02	0.3417E-02	0.3383E-02	0.3411E-02	0.3500E-02	0.3510E-02	0.3396E-02	0.3308E-02	0.3314E-02	0.3370E-02
26	0.3315E-02	0.3211E-02	0.3183E-02	0.3169E-02	0.3192E-02	0.3145E-02	0.3064E-02	0.3077E-02	0.3097E-02	0.3048E-02
27	0.2975E-02	0.2976E-02	0.3071E-02	0.3129E-02	0.3152E-02	0.3041E-02	0.2883E-02	0.3217E-02	0.1791E-02	0.5932E-03
28	0.1213E-02	0.6818E-03	0.1695E-02	0.2929E-02	0.2545E-02	0.2634E-02	0.2706E-02	0.2665E-02	0.2699E-02	0.2750E-02
29	0.2715E-02	0.2586E-02	0.2504E-02	0.2552E-02	0.2566E-02	0.2536E-02	0.2523E-02	0.2473E-02	0.2478E-02	0.2567E-02
30	0.2565E-02	0.2592E-02	0.2540E-02	0.2463E-02	0.2438E-02	0.2404E-02	0.2358E-02	0.2401E-02	0.2504E-02	0.2519E-02
31	0.2476E-02	0.2409E-02	0.2340E-02	0.2311E-02	0.2303E-02	0.2301E-02	0.2248E-02	0.2170E-02	0.2160E-02	0.2204E-02
32	0.2257E-02	0.2280E-02	0.2258E-02	0.2205E-02	0.2151E-02	0.2161E-02	0.2132E-02	0.2022E-02	0.1991E-02	0.2012E-02
33	0.2019E-02	0.2016E-02	0.2004E-02	0.2018E-02	0.2063E-02	0.2088E-02	0.2086E-02	0.2063E-02	0.2045E-02	0.2047E-02
34	0.1985E-02	0.1985E-02	0.2096E-02	0.2657E-02	0.3126E-02	0.2514E-02	0.1921E-02	0.1854E-02	0.1845E-02	0.1869E-02
35	0.1852E-02	0.1904E-02	0.1942E-02	0.1978E-02	0.1967E-02	0.1966E-02	0.1837E-02	0.2048E-02	0.3482E-02	0.5673E-02
36	0.6664E-02	0.5313E-02	0.3010E-02	0.1754E-02	0.1692E-02	0.1758E-02	0.1680E-02	0.1671E-02	0.1720E-02	0.1733E-02
37	0.1740E-02	0.1827E-02	0.1715E-02	0.1595E-02	0.1588E-02	0.1697E-02	0.1782E-02	0.1665E-02	0.1635E-02	0.1625E-02
38	0.1445E-02	0.1419E-02	0.1592E-02	0.1649E-02	0.1582E-02	0.1539E-02	0.1521E-02	0.1530E-02	0.1577E-02	0.1546E-02
39	0.1484E-02	0.1565E-02	0.1642E-02	0.1552E-02	0.1464E-02	0.1530E-02	0.1568E-02	0.1444E-02	0.1398E-02	0.1489E-02
40	0.1567E-02	0.1545E-02	0.1490E-02	0.1505E-02	0.1478E-02	0.1405E-02	0.1334E-02	0.1358E-02	0.1470E-02	0.1489E-02
41	0.1480E-02	0.1475E-02	0.1441E-02	0.1409E-02	0.1413E-02	0.1467E-02	0.1471E-02	0.1427E-02	0.1353E-02	0.1285E-02
42	0.1258E-02	0.1383E-02	0.1455E-02	0.1480E-02	0.1414E-02	0.1317E-02	0.1331E-02	0.1324E-02	0.1243E-02	0.1264E-02
43	0.1402E-02	0.1463E-02	0.1358E-02	0.1298E-02	0.1284E-02	0.1228E-02	0.1342E-02	0.8518E-03	0.1176E-03	0.1337E-02
44	0.2637E-02	0.1214E-02	-0.6723E-04	0.6264E-03	0.1163E-02	0.1156E-02	0.1194E-02	0.1180E-02	0.1180E-02	0.1081E-02
45	0.9926E-03	0.1071E-02	0.1140E-02	0.1136E-02	0.1146E-02	0.1245E-02	0.1312E-02	0.1225E-02	0.1148E-02	0.1068E-02
46	0.9782E-03	0.1036E-02	0.1124E-02	0.1113E-02	0.1106E-02	0.1127E-02	0.1083E-02	0.1053E-02	0.8811E-03	0.6585E-03
47	0.8804E-03	0.1231E-02	0.1287E-02	0.1136E-02	0.9732E-03	0.9893E-03	0.1078E-02	0.1068E-02	0.1068E-02	0.1094E-02
48	0.1068E-02	0.1028E-02	0.1016E-02	0.1060E-02	0.1073E-02	0.1017E-02	0.9520E-03	0.8983E-03	0.8620E-03	0.9028E-03
49	0.9301E-03	0.8781E-03	0.9031E-03	0.9670E-03	0.1007E-02	0.1068E-02	0.1032E-02	0.9177E-03	0.8410E-03	0.8296E-03
50	0.8571E-03	0.8325E-03	0.5511E-03	0.3749E-02	0.7791E-02	0.4932E-02	0.1287E-02	0.1134E-02	0.1114E-02	0.1087E-02
51	0.1108E-02	0.1029E-02	0.9785E-03	0.1019E-02	0.1064E-02	0.9657E-03	0.8917E-03	0.1256E-02	0.9623E-03	0.9222E-02
52	0.6131E-02	0.4277E-02	0.1917E-02	0.1625E-02	0.1152E-02	0.1191E-02	0.1183E-02	0.1124E-02	0.1087E-02	0.9975E-03
53	0.9640E-03	0.9385E-03	0.9765E-03	0.1069E-02	0.1065E-02	0.9533E-03	0.9834E-03	0.1096E-02	0.9996E-03	0.9890E-03
54	0.1062E-02	0.1180E-02	0.9902E-03	0.8132E-03	0.8534E-03	0.9475E-03	0.9324E-03	0.9031E-03	0.9260E-03	0.9263E-03
55	0.9109E-03	0.9574E-03	0.1016E-02	0.9544E-03	0.8573E-03	0.8360E-03	0.8363E-03	0.8516E-03	0.9163E-03	0.9173E-03
56	0.8537E-03	0.8837E-03	0.9220E-03	0.8864E-03	0.8672E-03	0.8479E-03	0.8157E-03	0.8316E-03	0.7906E-03	0.7107E-03
57	0.7302E-03	0.7585E-03	0.8045E-03	0.8718E-03	0.8724E-03	0.8599E-03	0.8372E-03	0.8113E-03	0.8040E-03	0.8136E-02
58	0.9973E-03	0.8880E-03	0.8151E-03	0.8228E-03	0.9492E-03	0.9157E-03	0.7710E-03	0.7602E-03	0.7582E-03	0.6949E-03
59	0.6595E-03	0.6828E-03	0.7615E-03	0.7963E-03	0.7194E-03	0.6998E-03	0.5029E-03	0.3785E-03	0.1106E-03	0.2673E-02
60	0.3586E-02	0.2658E-02	0.1237E-02	0.6189E-03	0.7441E-03	0.8318E-03	0.6844E-03	0.6950E-03	0.7089E-03	0.7935E-03

61	0.8547E-03	0.7432E-03	0.7100E-03	0.8077E-03	0.8230E-03	0.8433E-03	0.9666E-03	0.9481E-03	0.7910E-03	0.7290E-03
62	0.7440E-03	0.6962E-03	0.6789E-03	0.6880E-03	0.6413E-03	0.6508E-03	0.7176E-03	0.7605E-03	0.6944E-03	0.5915E-03
63	0.5950E-03	0.6858E-03	0.7759E-03	0.7727E-03	0.7442E-03	0.7304E-03	0.7148E-03	0.7306E-03	0.7300E-03	0.7478E-03
64	0.7996E-03	0.8330E-03	0.7698E-03	0.6621E-03	0.6859E-03	0.7398E-03	0.7026E-03	0.6610E-03	0.6275E-03	0.6254E-03
65	0.7333E-03	0.8163E-03	0.7948E-03	0.7628E-03	0.7203E-03	0.6672E-03	0.6274E-03	0.6426E-03	0.6830E-03	0.6130E-03
66	0.5569E-03	0.6571E-03	0.7241E-03	0.6282E-03	0.5944E-03	0.6831E-03	0.7223E-03	0.7127E-03	0.6372E-03	0.5553E-03
67	0.5779E-03	0.6903E-03	0.7146E-03	0.6929E-03	0.6483E-03	0.5455E-03	0.6416E-03	0.4969E-03	-0.1155E-03	0.1531E-03
68	0.6989E-03	0.2897E-04	-0.1092E-03	0.6374E-03	0.7757E-03	0.6791E-03	0.7870E-03	0.7704E-03	0.6663E-03	0.6883E-03
69	0.7260E-03	0.6599E-03	0.6012E-03	0.5587E-03	0.6146E-03	0.7423E-03	0.6818E-03	0.5787E-03	0.5726E-03	0.5608E-03
70	0.4358E-03	0.3722E-03	0.5867E-03	0.7073E-03	0.6160E-03	0.5872E-03	0.6192E-03	0.6824E-03	0.7133E-03	0.7021E-03
71	0.6908E-03	0.7156E-03	0.7714E-03	0.7496E-03	0.6434E-03	0.5231E-03	0.4933E-03	0.5537E-03	0.5878E-03	0.6217E-03
72	0.6854E-03	0.6778E-03	0.5741E-03	0.5112E-03	0.6166E-03	0.7505E-03	0.6810E-03	0.5627E-03	0.5499E-03	0.5488E-03
73	0.5702E-03	0.6211E-03	0.6353E-03	0.6078E-03	0.6117E-03	0.6031E-03	0.7738E-03	0.9582E-03	0.5882E-03	0.1729E-03
74	0.2344E-03	0.4015E-03	0.4398E-03	0.4857E-03	0.5507E-03	0.5555E-03	0.5981E-03	0.6276E-03	0.5584E-03	0.5269E-03
75	0.5347E-03	0.5131E-03	0.4469E-03	0.3820E-03	0.4124E-03	0.3166E-03	0.3572E-03	0.8489E-03	0.1138E-02	0.1468E-02
76	0.1831E-02	0.1477E-02	0.1120E-02	0.8523E-03	0.4661E-03	0.4474E-03	0.5006E-03	0.4880E-03	0.4728E-03	0.3859E-03
77	0.4272E-03	0.5639E-03	0.5767E-03	0.4792E-03	0.4596E-03	0.5417E-03	0.5833E-03	0.5452E-03	0.4792E-03	0.4408E-03
78	0.4989E-03	0.5964E-03	0.5789E-03	0.4851E-03	0.4775E-03	0.4919E-03	0.4798E-03	0.4923E-03	0.4817E-03	0.5060E-03
79	0.5081E-03	0.5289E-03	0.6265E-03	0.6177E-03	0.5089E-03	0.4401E-03	0.4113E-03	0.3935E-03	0.4160E-03	0.4225E-03
80	0.4196E-03	0.4146E-03	0.3750E-03	0.3269E-03	0.3386E-03	0.4469E-03	0.5075E-03	0.4702E-03	0.3802E-03	0.3530E-03
81	0.4258E-03	0.4773E-03	0.4703E-03	0.4164E-03	0.3952E-03	0.3975E-03	0.3899E-03	0.3412E-03	0.2985E-03	0.3666E-03
82	0.3786E-03	0.2944E-03	0.2630E-03	0.2995E-03	0.3096E-03	0.2894E-03	0.3052E-03	0.3094E-03	0.2781E-03	0.2620E-03
83	0.2830E-03	0.2695E-03	0.2027E-03	0.1289E-03	0.5698E-04	0.1098E-03	-0.1018E-03	-0.5381E-03	-0.1405E-02	0.1699E-03
84	0.3848E-01	0.2166E-01	0.1544E-02	0.7816E-03	0.9688E-03	0.8474E-03	0.5658E-03	0.5110E-03	0.5929E-03	0.5361E-03
85	0.4236E-03	0.4403E-03	0.4747E-03	0.4495E-03	0.4478E-03	0.1013E-02	0.1581E-02	0.9265E-03	0.2545E-03	0.2779E-03
86	0.3046E-03	0.2567E-03	0.8929E-04	-0.8875E-04	-0.5128E-03	-0.9583E-03	0.3292E-02	0.7601E-02	0.4498E-02	0.1408E-02
87	0.1206E-02	0.1027E-02	0.1026E-02	0.9572E-03	0.8910E-03	0.8976E-03	0.8662E-03	0.7241E-03	0.6652E-03	0.6589E-03
88	0.6788E-03	0.7138E-03	0.7010E-03	0.6282E-03	0.5652E-03	0.6213E-03	0.6703E-03	0.6250E-03	0.5510E-03	0.5229E-03
89	0.5581E-03	0.5684E-03	0.5724E-03	0.5658E-03	0.5203E-03	0.5112E-03	0.5574E-03	0.5410E-03	0.5540E-03	0.6775E-03
90	0.6247E-03	0.4820E-03	0.5442E-03	0.6187E-03	0.5807E-03	0.5484E-03	0.5620E-03	0.5763E-03	0.5608E-03	0.5175E-03
91	0.5257E-03	0.5581E-03	0.5449E-03	0.6212E-03	0.5858E-03	0.4595E-03	0.6679E-03	0.8209E-03	0.5678E-03	0.6549E-03
92	0.9075E-03	0.6006E-03	0.4337E-03	0.5691E-03	0.4759E-03	0.3477E-03	0.3104E-03	0.2623E-03	0.3639E-03	0.5145E-03
93	0.5049E-03	0.4708E-03	0.4219E-03	0.3622E-03	0.4517E-03	0.5636E-03	0.4623E-03	0.3219E-03	0.3784E-03	0.5074E-03
94	0.4430E-03	0.3549E-03	0.4852E-03	0.5386E-03	0.4169E-03	0.3950E-03	0.4631E-03	0.4684E-03	0.4544E-03	0.4780E-03
95	0.4849E-03	0.6048E-03	0.7480E-03	0.6183E-03	0.4618E-03	0.4551E-03	0.4522E-03	0.4169E-03	0.4032E-03	0.4272E-03
96	0.4389E-03	0.4399E-03	0.4696E-03	0.4967E-03	0.4449E-03	0.3841E-03	0.3483E-03	0.3949E-03	0.4793E-03	0.3525E-03
97	0.2090E-03	0.2308E-03	0.2866E-03	0.3622E-03	0.3991E-03	0.3744E-03	0.3979E-03	0.4346E-03	0.3429E-03	0.2176E-03
98	0.2379E-03	0.3310E-03	0.4547E-03	0.5882E-03	0.5706E-03	0.4880E-03	0.4910E-03	0.4705E-03	0.3792E-03	0.3076E-03
99	0.2469E-03	0.2596E-03	0.3192E-03	0.3246E-03	0.3164E-03	0.2587E-03	0.2313E-03	0.3715E-03	0.5645E-03	0.1056E-02
100	0.1479E-02	0.1065E-02	0.5345E-03	0.2949E-03	0.2093E-03	0.2568E-03	0.1923E-03	0.1782E-03	0.2300E-03	0.2406E-03
101	0.2953E-03	0.3186E-03	0.2546E-03	0.1904E-03	-0.3636E-05	0.3249E-02	0.7178E-02	0.4279E-02	0.7458E-03	0.5983E-03
102	0.4668E-03	0.3594E-03	0.3994E-03	0.4027E-03	0.3445E-03	0.3594E-03	0.3531E-03	0.2955E-03	0.3309E-03	0.3653E-03
103	0.1085E-03	0.3309E-02	0.7338E-02	0.4459E-02	0.7967E-03	0.5960E-03	0.5903E-03	0.5976E-03	0.6006E-03	0.5664E-03
104	0.4809E-03	0.4269E-03	0.4637E-03	0.5044E-03	0.4699E-03	0.3662E-03	0.2886E-03	0.3657E-03	0.5216E-03	0.4759E-03
105	0.3849E-03	0.4035E-03	0.3909E-03	0.4194E-03	0.4650E-03	0.4184E-03	0.4214E-03	0.5018E-03	0.4497E-03	0.3108E-03
106	0.2997E-03	0.3877E-03	0.5118E-03	0.6240E-03	0.5701E-03	0.4497E-03	0.4002E-03	0.3551E-03	0.3726E-03	0.4050E-03
107	0.3582E-03	0.3867E-03	0.4552E-03	0.4233E-03	0.4860E-03	0.6827E-03	0.5538E-03	0.1128E-03	-0.7826E-04	0.2870E-03
108	0.6153E-03	0.2643E-03	-0.2456E-04	0.1862E-03	0.4780E-03	0.5646E-03	0.4952E-03	0.4902E-03	0.4937E-03	0.4248E-03
109	0.4797E-03	0.6351E-03	0.5456E-03	0.3858E-03	0.4150E-03	0.5941E-03	0.5932E-03	0.3266E-03	0.3287E-03	0.4681E-03
110	0.4752E-03	0.4721E-03	0.1449E-03	-0.1419E-03	0.1055E-03	0.2722E-03	0.2632E-03	0.3284E-03	0.3935E-03	0.3941E-03
111	0.3032E-03	0.3614E-03	0.4770E-03	0.3941E-03	0.3074E-03	0.3213E-03	0.3362E-03	0.3565E-03	0.3828E-03	0.3899E-03
112	0.3674E-03	0.3790E-03	0.3927E-03	0.3406E-03	0.3178E-03	0.3037E-03	0.2849E-03	0.4874E-03	0.6621E-03	0.5200E-03
113	0.4297E-03	0.4154E-03	0.3621E-03	0.3556E-03	0.3306E-03	0.3194E-03	0.3755E-03	0.3987E-03	0.4286E-03	0.5044E-03
114	0.4306E-03	0.3468E-03	0.4307E-03	0.4540E-03	0.4317E-03	0.3827E-03	0.3014E-03	0.2408E-03	0.3086E-03	0.3873E-03
115	0.3831E-03	0.3073E-03	0.2170E-03	0.2878E-03	0.3287E-03	0.1917E-03	0.1700E-03	0.3841E-03	0.6183E-03	0.1523E-02
116	0.2364E-02	0.1590E-02	0.8271E-03	0.6975E-03	0.2792E-03	0.9090E-04	0.2513E-03	0.2499E-03	0.1873E-03	0.2040E-03
117	0.2391E-03	0.3825E-03	0.3995E-03	0.2556E-03	0.2676E-03	0.3770E-03	0.2790E-03	0.1273E-03	0.2180E-03	0.3396E-03
118	0.3675E-03	0.4011E-03	0.4010E-03	0.3605E-03	0.2663E-03	0.1919E-03	0.2481E-03	0.3468E-03	0.4384E-03	0.4596E-03
119	0.3719E-03	0.9710E-03	0.1652E-02	0.1026E-02	0.3349E-03	0.2741E-03	0.2410E-03	0.2351E-03	0.2354E-03	0.2711E-03
120	0.3327E-03	0.3601E-03	0.3599E-03	0.3159E-03	0.3014E-03	0.3128E-03	0.2456E-03	0.2534E-03	0.3185E-03	0.2974E-03

121	0.2535E-03	0.2086E-03	0.2313E-03	0.2963E-03	0.3136E-03	0.3164E-03	0.3701E-03	0.3753E-03	0.3337E-03	0.3890E-03
122	0.3386E-03	0.2476E-03	0.3471E-03	0.4458E-03	0.4586E-03	0.4222E-03	0.3891E-03	0.3917E-03	0.3056E-03	0.2804E-03
123	0.3824E-03	0.3602E-03	0.2964E-03	0.3093E-03	0.3609E-03	0.3706E-03	0.2567E-03	0.9716E-04	0.6026E-04	0.3299E-03
124	0.5163E-03	0.2548E-03	0.1128E-03	0.3090E-03	0.4183E-03	0.3558E-03	0.2857E-03	0.2888E-03	0.2365E-03	0.1693E-03
125	0.2164E-03	0.2487E-03	0.2949E-03	0.3135E-03	0.2786E-03	0.3610E-03	0.4143E-03	0.3475E-03	0.3167E-03	0.3155E-03
126	0.2782E-03	0.2572E-03	0.3048E-03	0.3027E-03	0.2240E-03	0.2565E-03	0.3145E-03	0.2831E-03	0.2843E-03	0.3012E-03
127	0.2653E-03	0.2638E-03	0.3855E-03	0.4337E-03	0.3419E-03	0.2843E-03	0.2528E-03	0.2336E-03	0.2223E-03	0.2573E-03
128	0.3059E-03									

DURATION IN S.: 31.529449

IDPLOT = 00002 RANGE WARNING

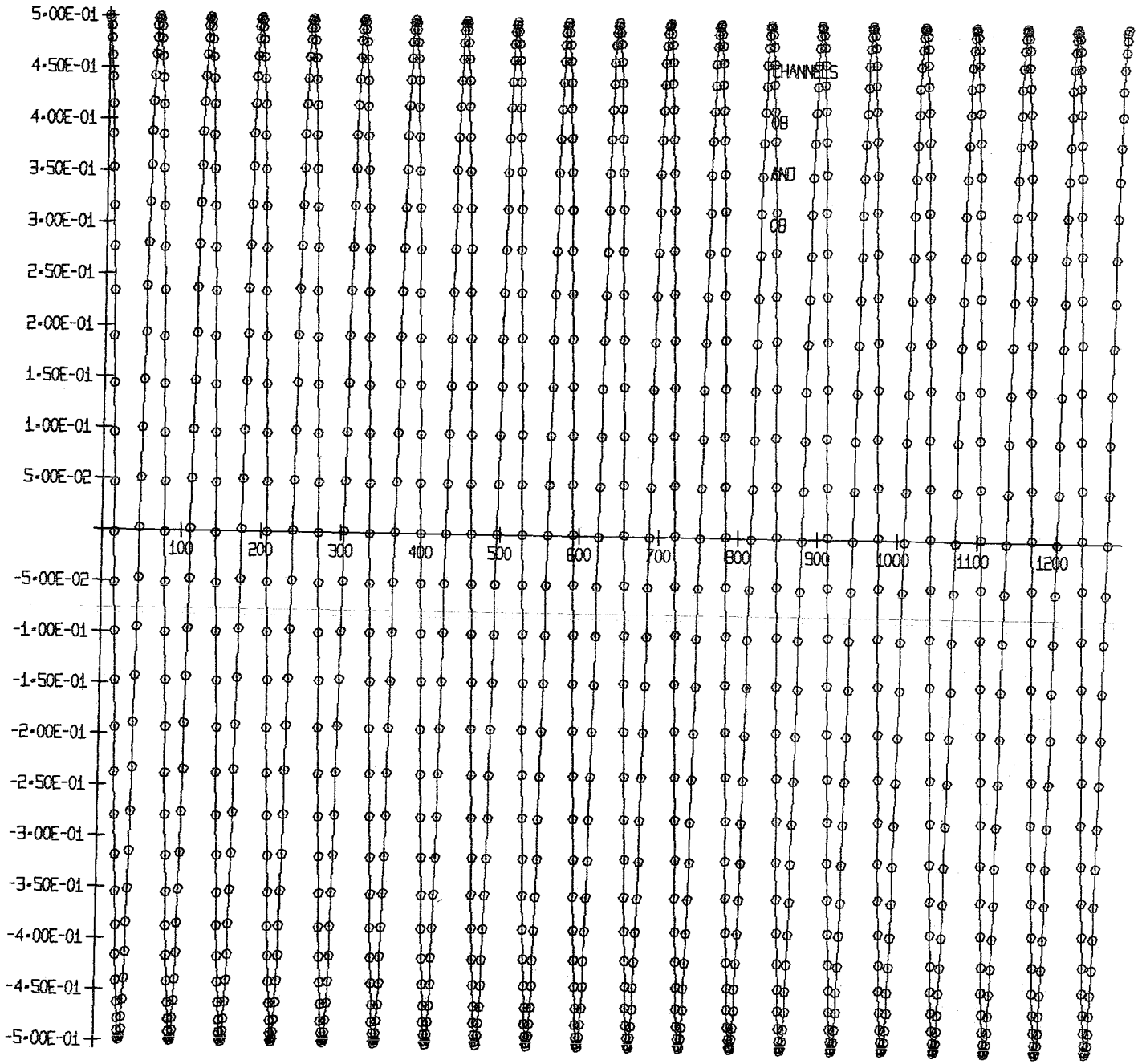
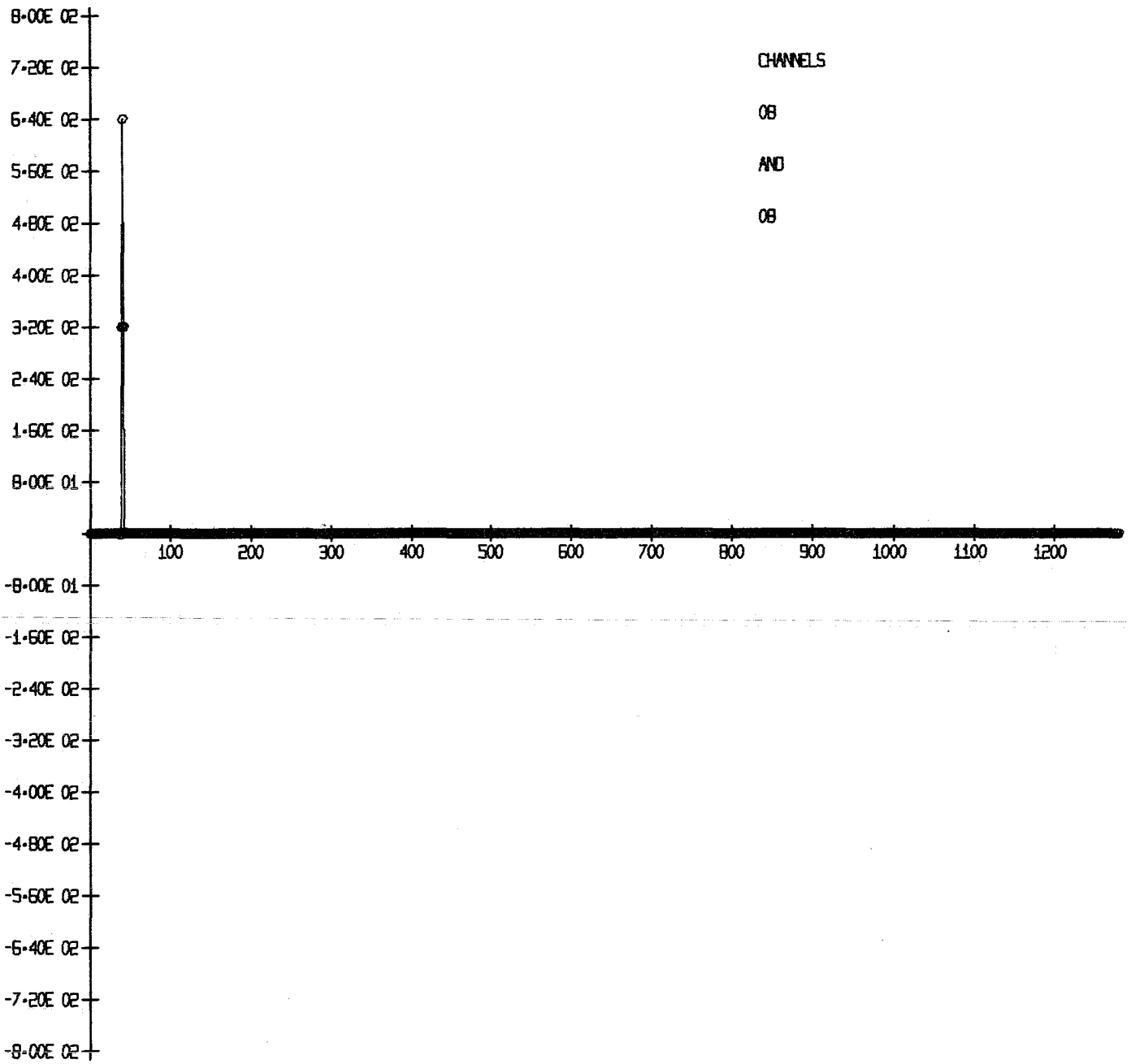


ABB-00001

CORRELATION COEFFICIENTS



CHANNELS

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ABB-00002 POWER SPECTRAL DENSITY FUNCTIONS

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