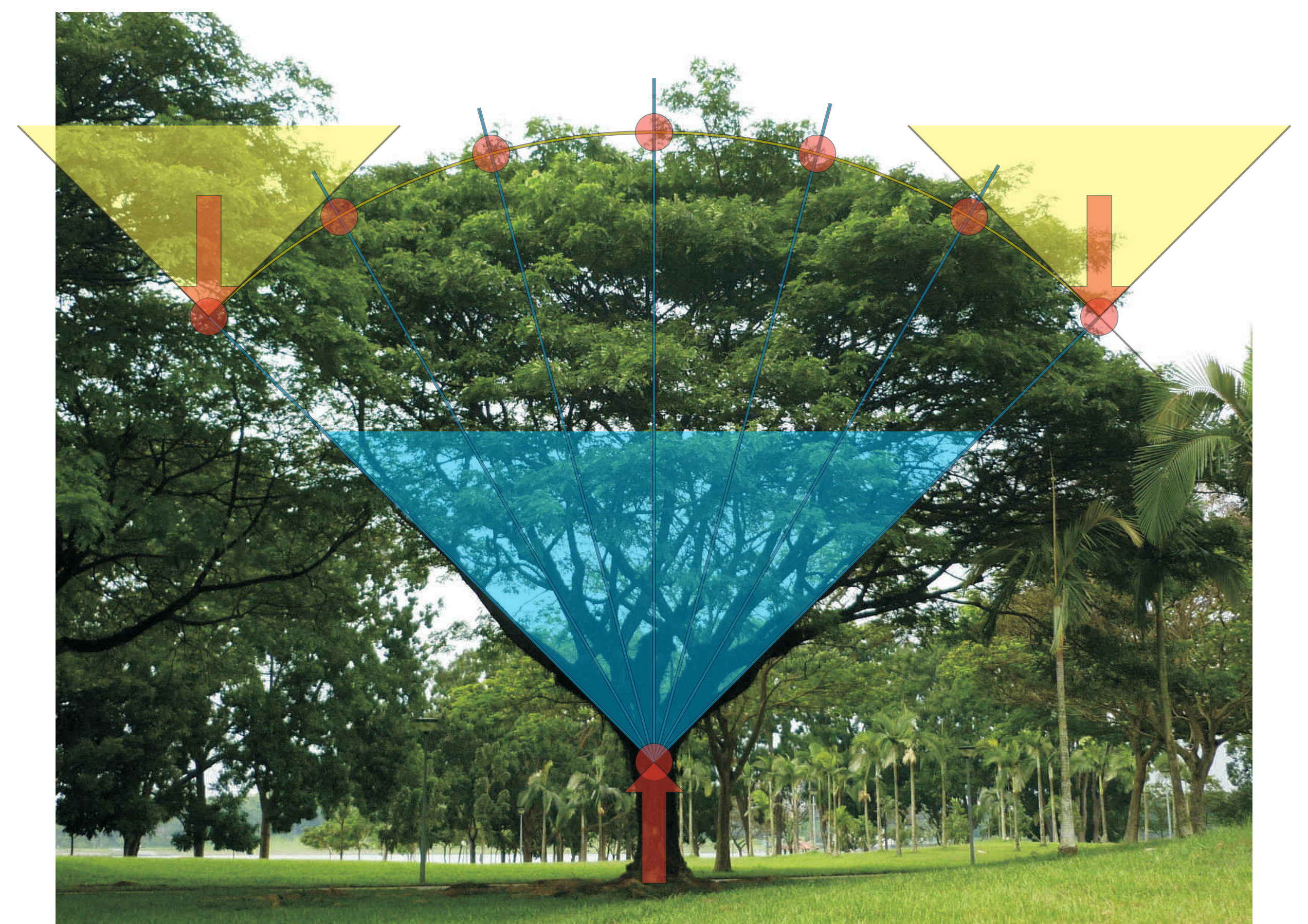
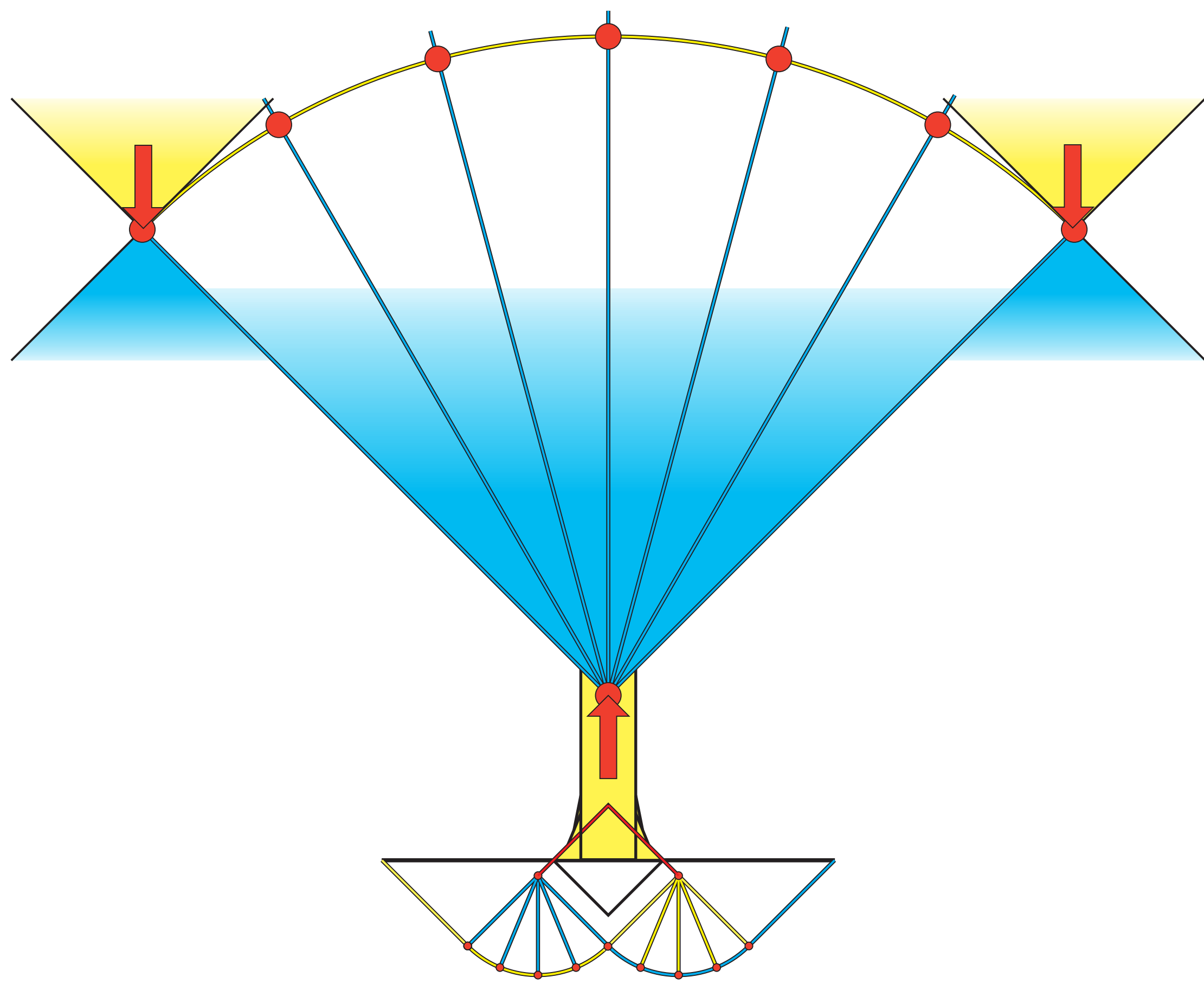
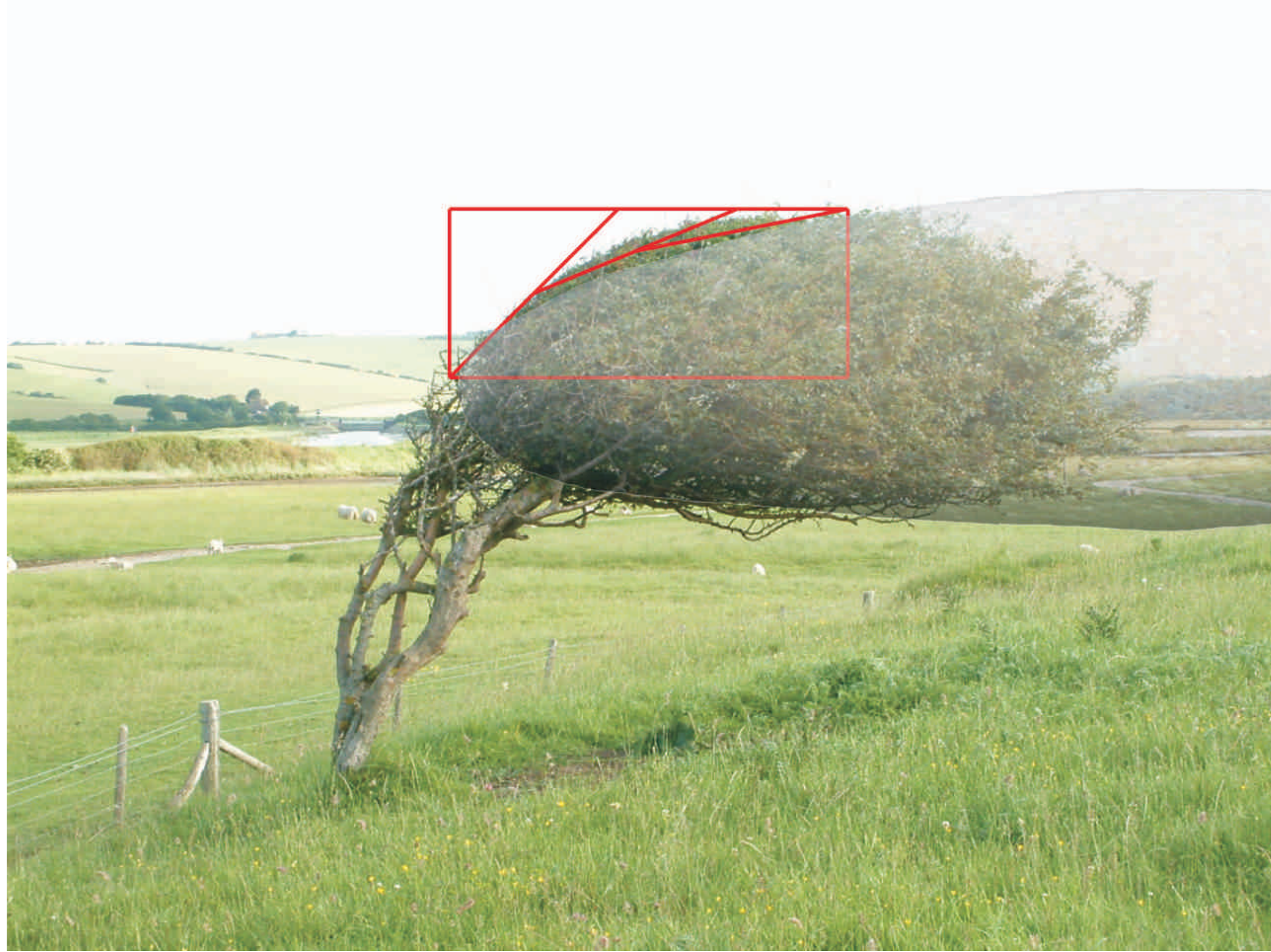


Umbrella Trees shape optimized for Wind Load

C. Mattheck, K. Bethge



We thank Mr. Clayton Lee and Mr. Tee Swee Ping (National Parks Board Singapore), Mr. Mick Boddy (Great Britain) as well as Mr. Nicolas Klöhn (Berlin) for the tree photos.

Result: Umbrella trees can be visualized as a hat stand with a head being a brook pebble!