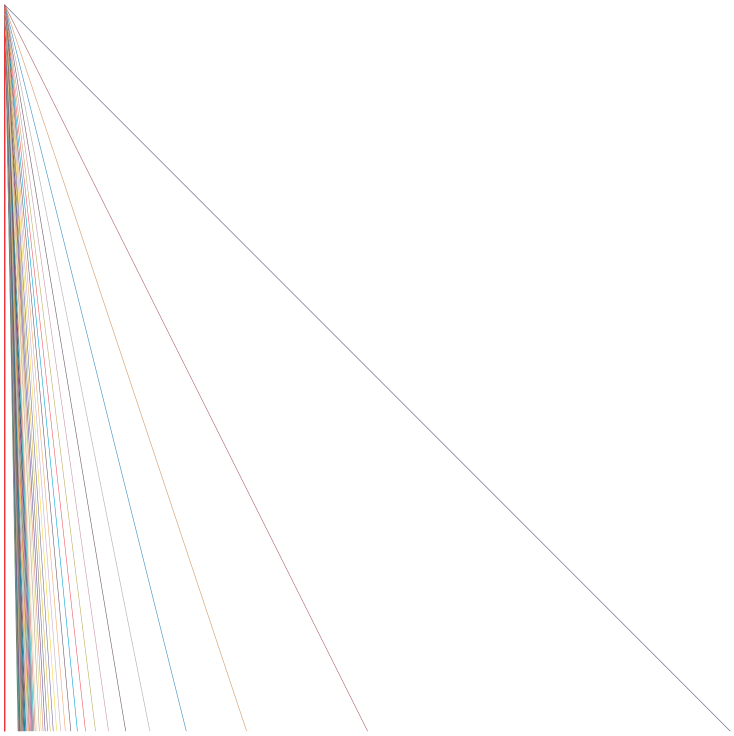

Figure 13.5.1: (A) Harmonic Fan

subset of the Euclidean plane with the induced topology.

See [39, p.9].

13.5.2 Harmonic Shredded Fan

To define the Harmonic Shredded Fan F_{HS} we cut the 'arms' ve in the Harmonic Fan F_H in such a way, that their lengths run through all rationals in the unit interval (we do not cut the vertical segment through the origin). We notice that all Harmonic shredded fans are homeomorphic.

See [39, p.31].

13.5.3 Cantor Fan

We define the *Cantor Fan* $F_C = \cup\{ve : e \in C\}$, where ve is the segment joining $v = (1/2, 1)$ with all points e in the Cantor Ternary Set C. We consider F_C as a subset of the Euclidean plane with the induced topology.

See [39, p.9].