

1. L-System

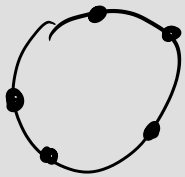
least rational number

2.

- Golden angle
- Conservation of x-section Area
- refraction

↳ depth-first-ness

ugh



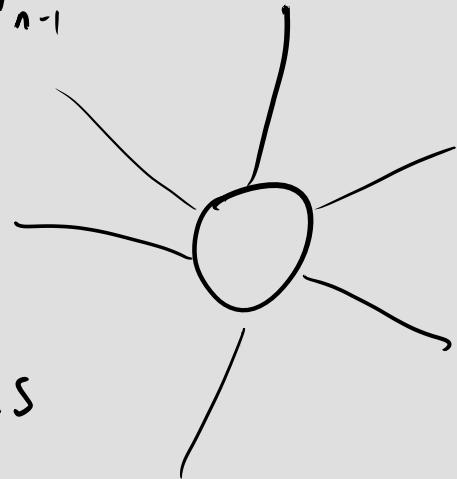
$$1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \dots}}}$$

$$\frac{F_n}{F_{n-1}}$$

$$\varphi = 1.61\dots$$

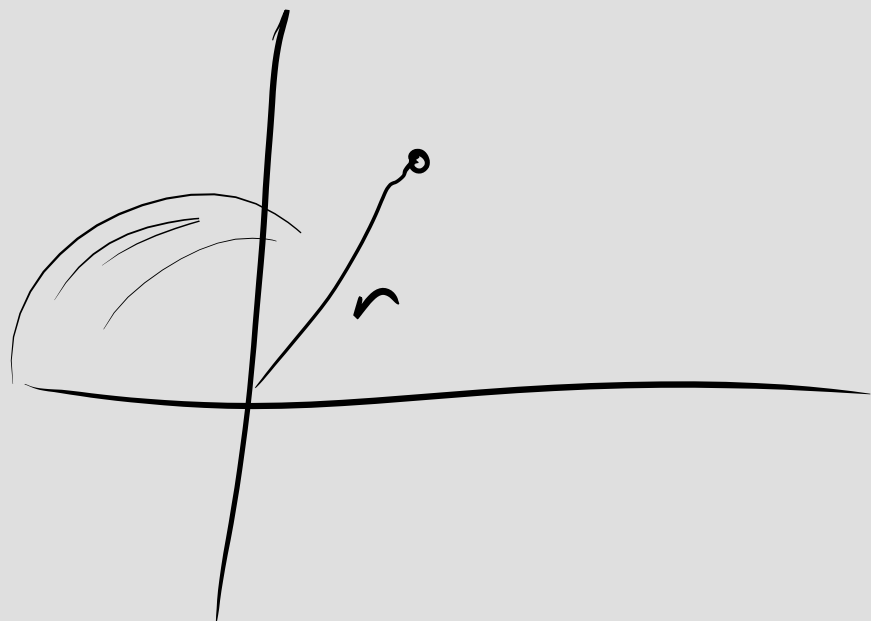
$$0.5 \cdot 0.5^{0.5} + 0.5$$

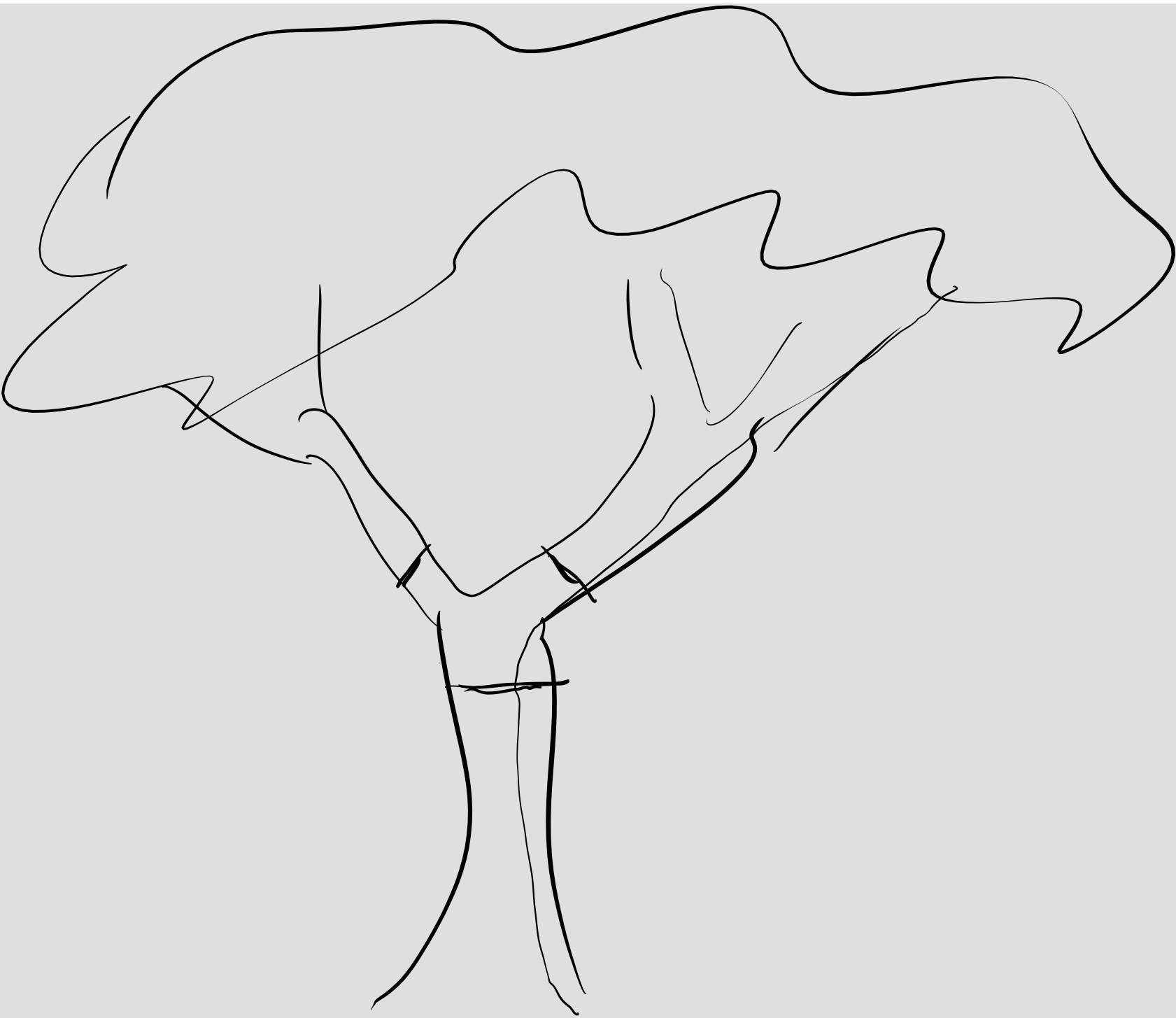
$$\varphi \%$$



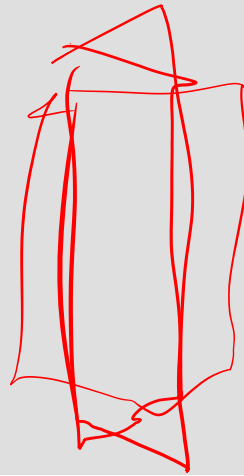
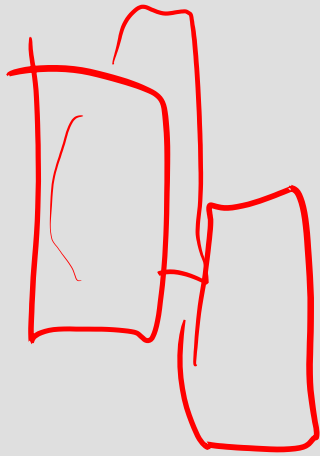
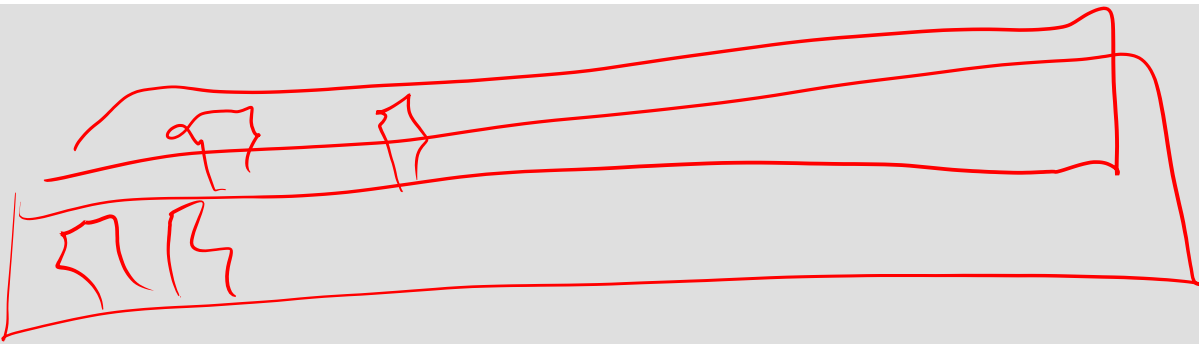
$$\underbrace{(2\pi \cdot \varphi) \% 2\pi}_{\Theta} \cdot n$$

Seed (n) ———— ang: $n \Theta$
rad: \sqrt{n}



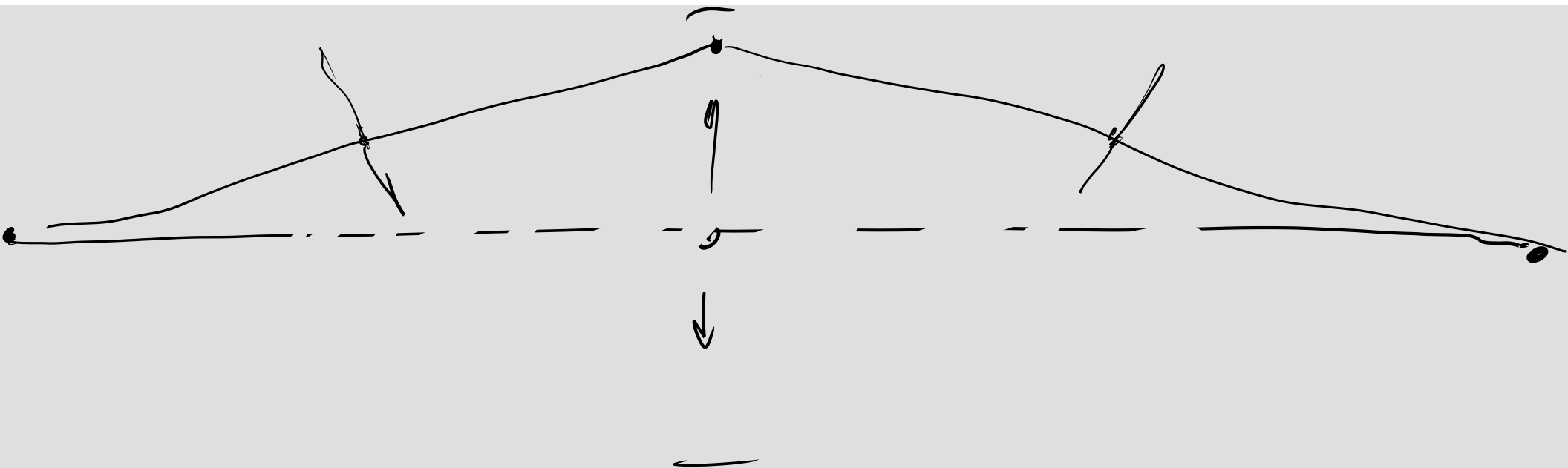


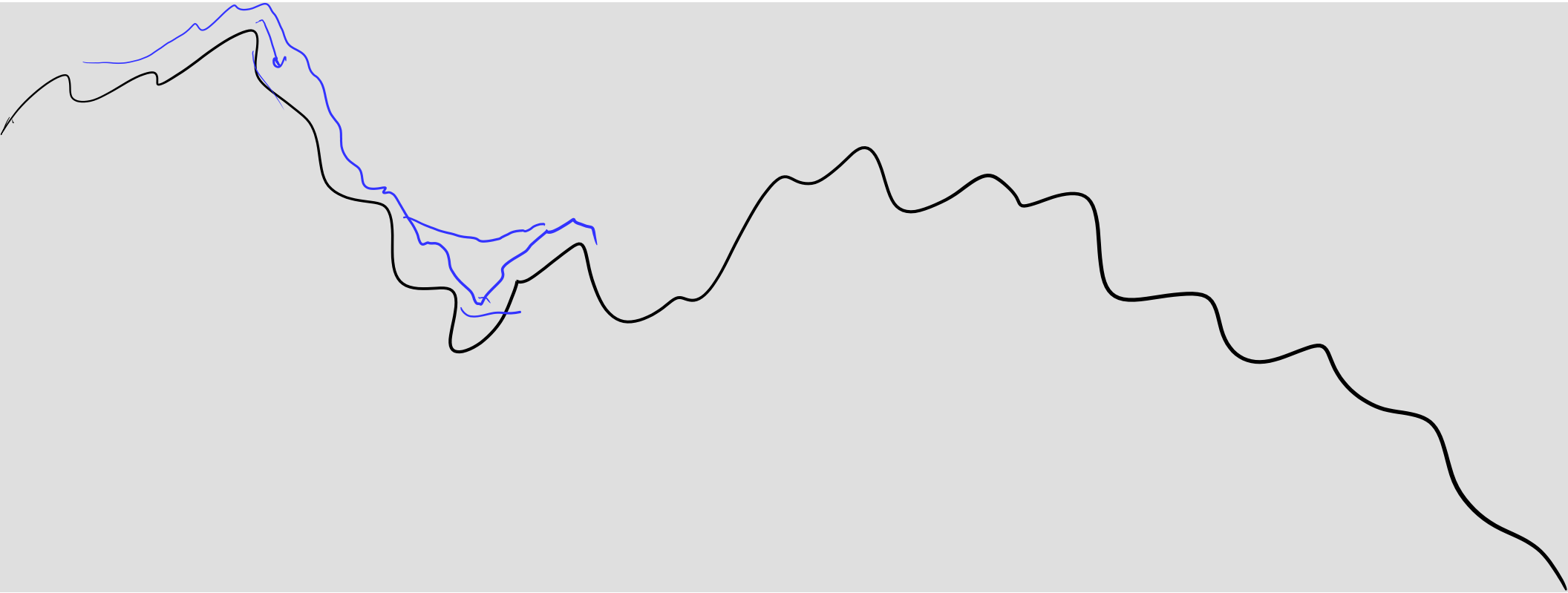




Fractal

fractional dimension





drain → always down hill

heat → spin → soft