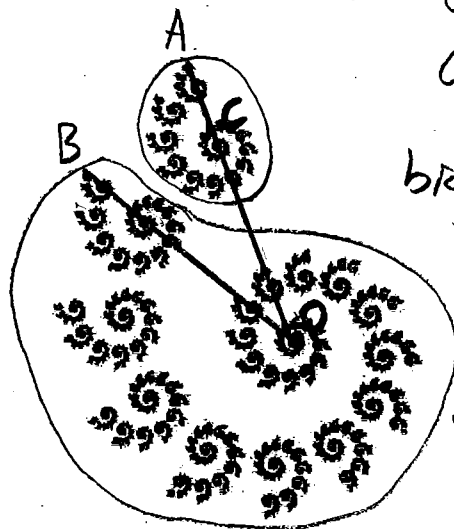


Sept 10 Notes 1



OA = reference line

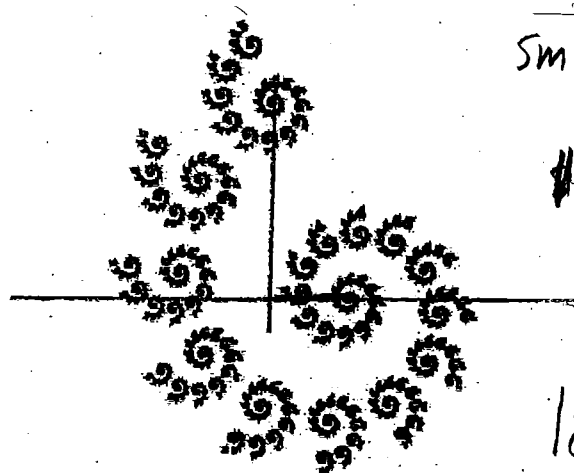
$$OA = 4 \text{ cm}$$

big piece $OB = 3.6 \text{ cm}$

$$r = s = \frac{3.6}{4} = .9$$

small piece

$$CA = 1.1 \quad r = s = \frac{1.1}{4} = .275$$



small $\theta = \phi = 0$

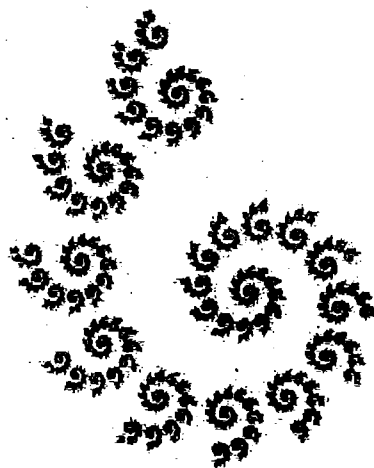
CA is parallel to OA

large $\theta = \phi = 30^\circ$

angle between OA and OB

large $e = 0 \quad f = 0$

small $e = -1 \quad f = 2.6$



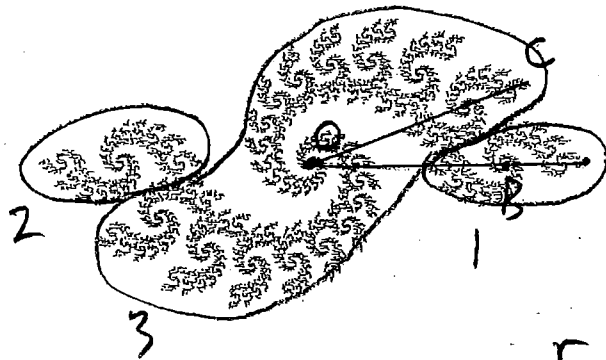
r	s	θ	ϕ	e	f
.275	.275	0	0	-1	2.6
.9	.9	30	30	0	0

Sept 10 Notes 2

$$OA = 3.6$$

$$BA = 1$$

$$\text{small } r = s = \frac{1}{3.8} = .28$$



$$\text{A large } OC = 3$$

$$r = s = \frac{3}{3.6} = .83$$

	r	s	θ	φ	e	f
1	.28	.28	0	0	3.6	0
2	.28	.28	0	0	3.6	0
3	.83	.83	20	20	0	0

$$2.6 = OB$$

$$2.6$$

