

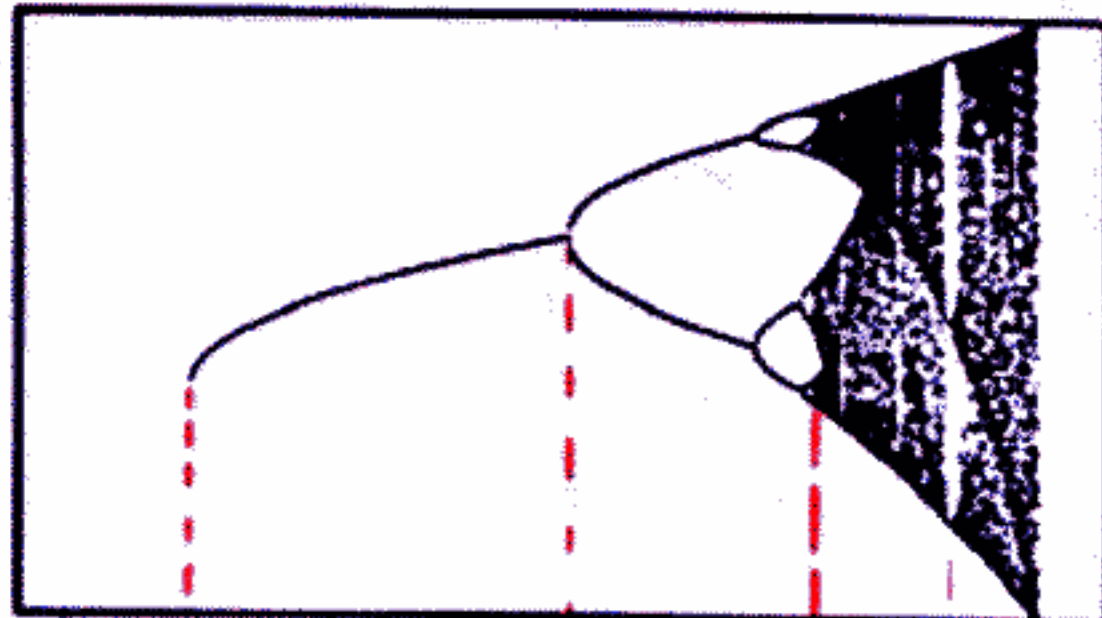
$$x_{k+1} = r x_k (1 - x_k)$$

$$z_{k+1} = z_k^2 + c$$

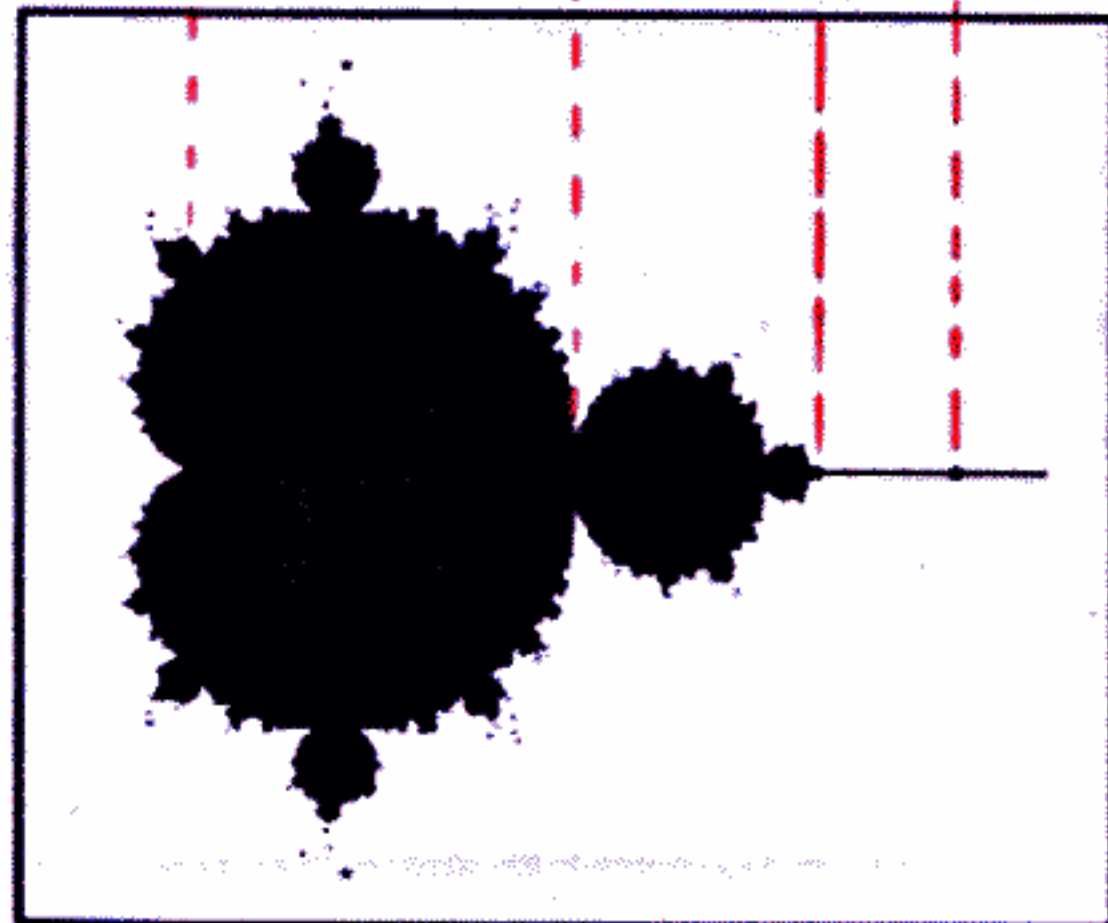
$$x = \frac{1}{2} - \frac{c}{4}$$

$$c = -\frac{1}{4} (2r - r^4)$$

Feigenbaum



Apfelmännchen



schwarz : konvergent
(liegen im Attraktor)

weiß : divergent

gilt für $z_0 = 0$