

# 7. Love dynamics

$$\dot{x}_1 = O_1 + R_1 + A_2(1 + S_1)$$

$$\dot{x}_2 = O_2 + R_2 + A_1$$

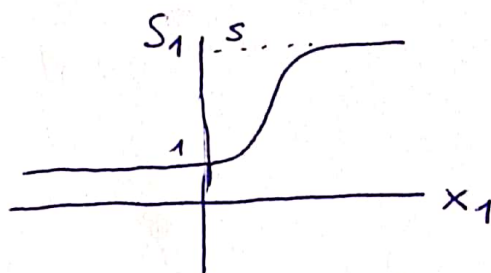
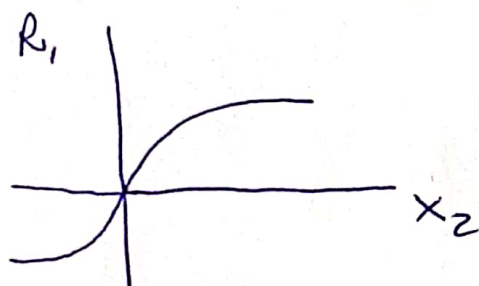
$O_i$ : oblio  $O_i = -\alpha_i x_i$

$R_i$ : ricambio

$A_i$ : appeal

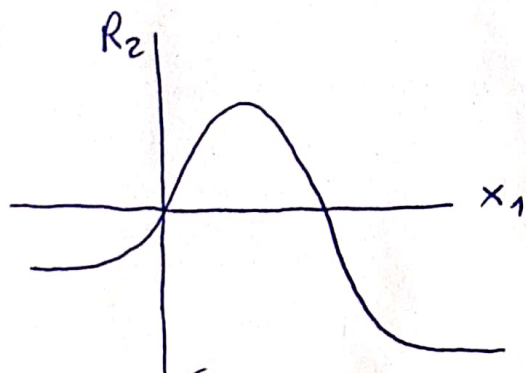
$S_i$ : sinergismo

1 → sicuro e sinergico



$s$  = "amplificazione" dei propri sentimenti

2 → insicuro e non sinergico

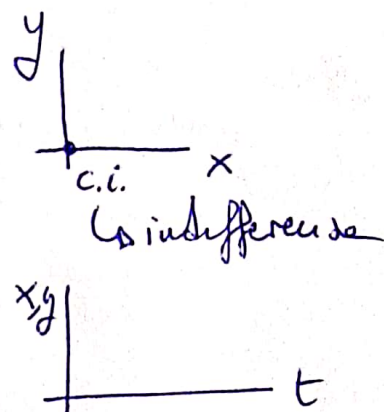


$x = (0, 0)$

$$x(0) = (0, 0)$$

$s = 3 \rightarrow$  relazione stazionaria

$s = 4 \Rightarrow$  relazione con alti e bassi  
CICLO



file: simula