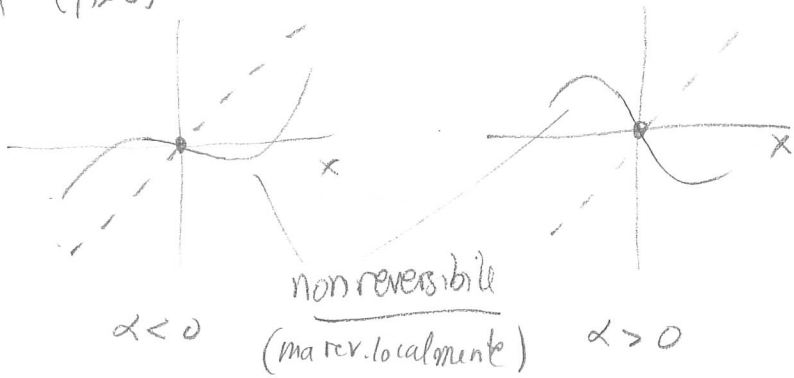


normal form $x' = -(1+\alpha)x + \beta x^3$

$f(\beta > 0)$



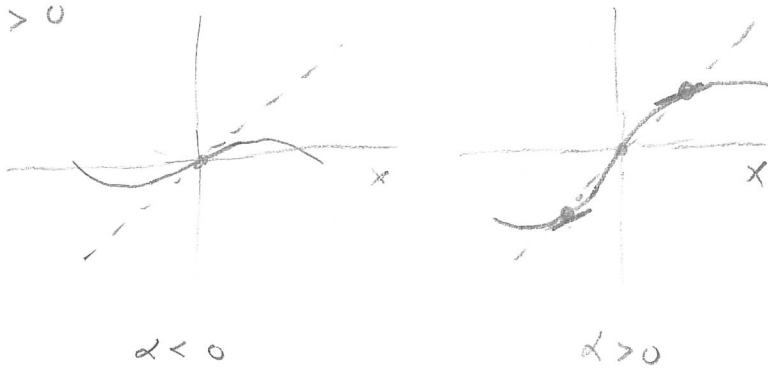
no other eq. locally involved

$f^{(2)}$

$$-(1+\alpha)(-(1+\alpha)x + \beta x^3) + \beta(-(1+\alpha)x + \beta x^3)^3 =$$

$$= (1+\alpha)^2 x - (1+\alpha)\beta(1+(1+\alpha)^2)x^3 + h.o.t.$$

$\beta > 0$



supercritical
 $0 < \mu < 1$ ($\alpha > 0$)

$\beta < 0$



subcritical
 $\mu > 1$ ($\alpha < 0$)