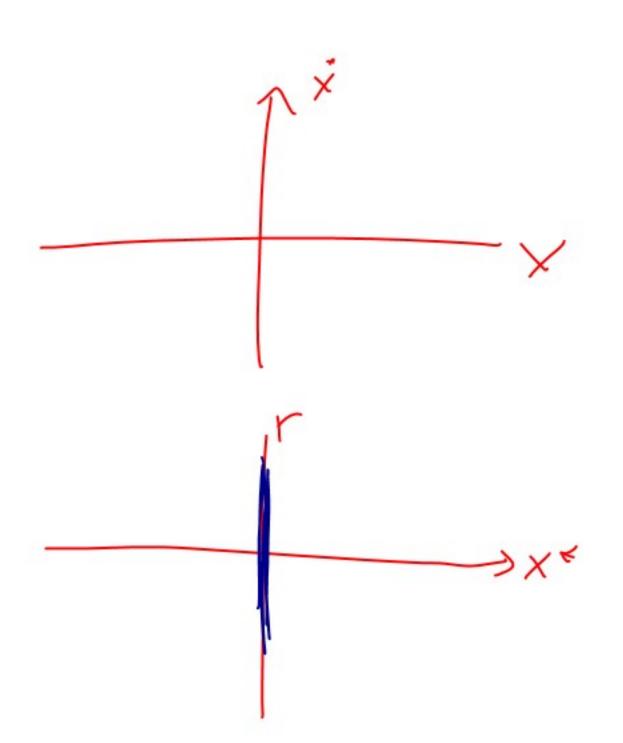
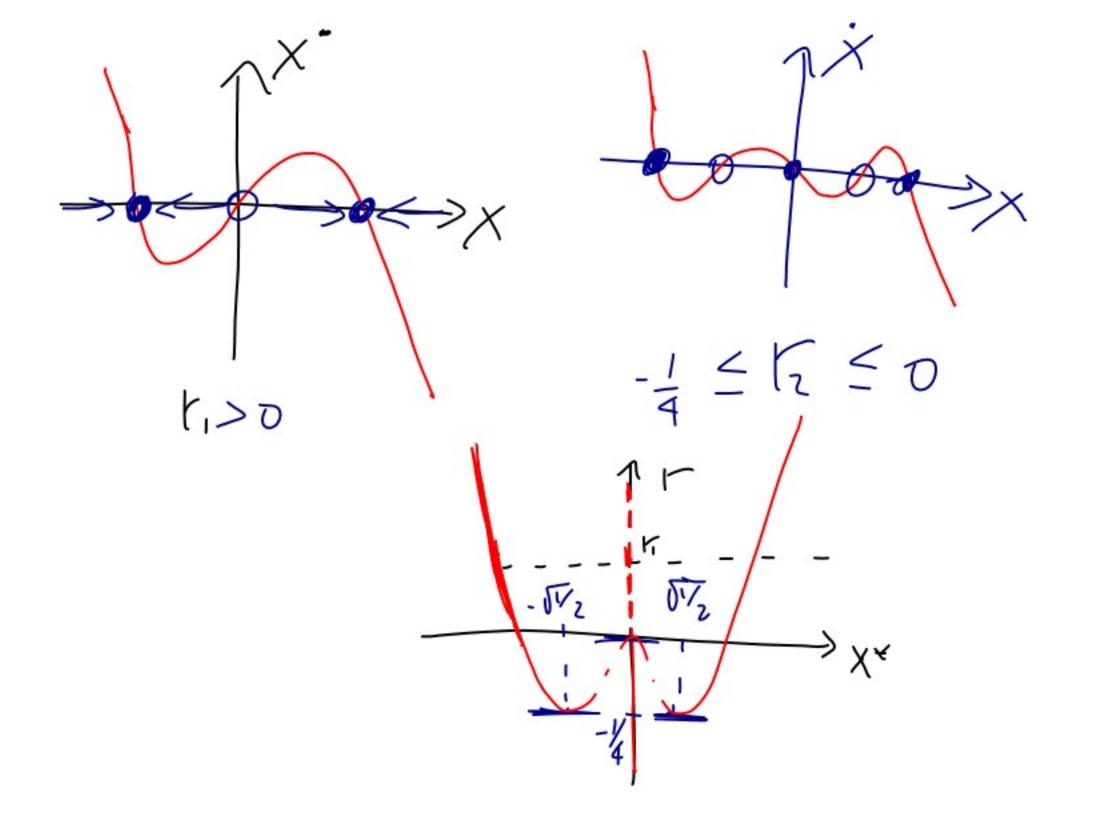
DSEN O 450 160 飞 X(10) r=0 10 120

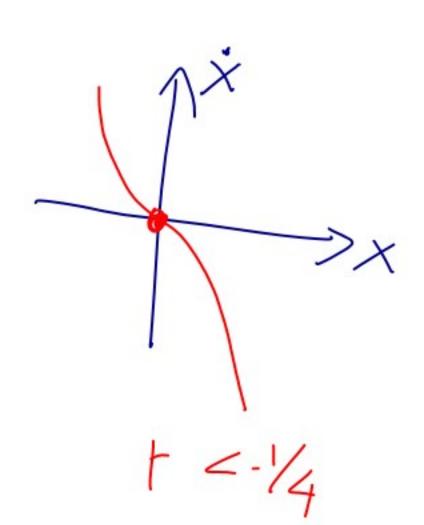
$$\dot{X} = YX + X^{3} \times 5$$

$$0 = YX + X^{3} - X^{5}$$

$$Y = X^{4} - X^{2} \times 7$$







$$\dot{x} = \lambda x$$

$$\frac{dx}{dt} = \lambda x$$

$$\frac{dx}{dt} = \lambda dt$$

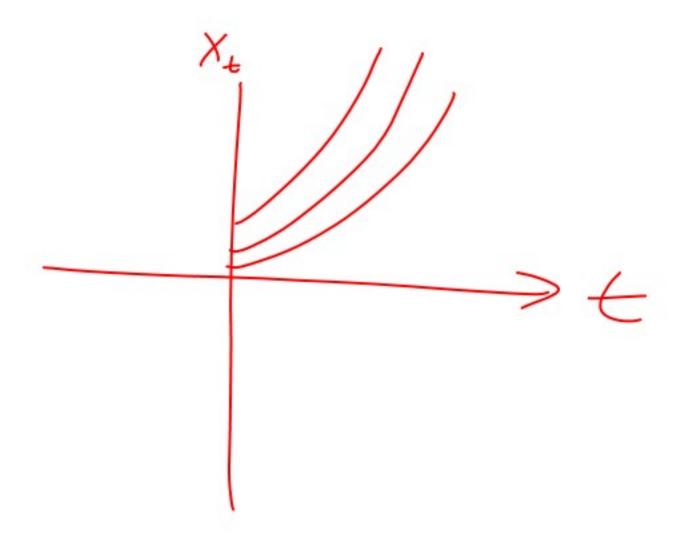
$$X_{t+1} = X_{t} + \lambda \Delta t$$

$$USD \qquad USD \qquad USD \qquad DiAS$$

$$0iA \qquad DiAS$$

$$0iA \qquad X_{t} = e^{\lambda t} + C$$

$$X_{t} = e^{\lambda t} + C$$



$$\dot{X} = \lambda_{x} X \longrightarrow X_{t} = X_{0} e^{\lambda_{x} t}$$

$$\dot{Y} = \lambda_{y} Y \longrightarrow Y_{t} = Y_{0} e^{\lambda_{y} t}$$

$$(\dot{X}) = (\lambda_{x}) (X)$$

$$(\dot{Y}) = (\lambda_{x}) (X)$$

$$A = P\begin{pmatrix} S_{1} & O \\ O & P_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = A\begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = A\begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{1} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{1} & O \\ O & S_{2} \end{pmatrix} P^{-1} \begin{pmatrix} \dot{X}_{1} \\ \dot{X}_{2} \end{pmatrix} = P\begin{pmatrix} S_{$$

$$\begin{pmatrix} y_{1} \\ y_{2} \end{pmatrix} = P^{-1} \begin{pmatrix} x_{1} \\ x_{2} \end{pmatrix}$$

$$\begin{pmatrix} \dot{y}_{1} \\ \dot{y}_{2} \end{pmatrix} = P^{-1} \begin{pmatrix} \dot{x}_{1} \\ \dot{x}_{1} \end{pmatrix}$$

$$\begin{pmatrix} \dot{y}_{1} \\ \dot{y}_{2} \end{pmatrix} = P^{-1} \begin{pmatrix} \dot{x}_{1} \\ \dot{x}_{1} \end{pmatrix}$$