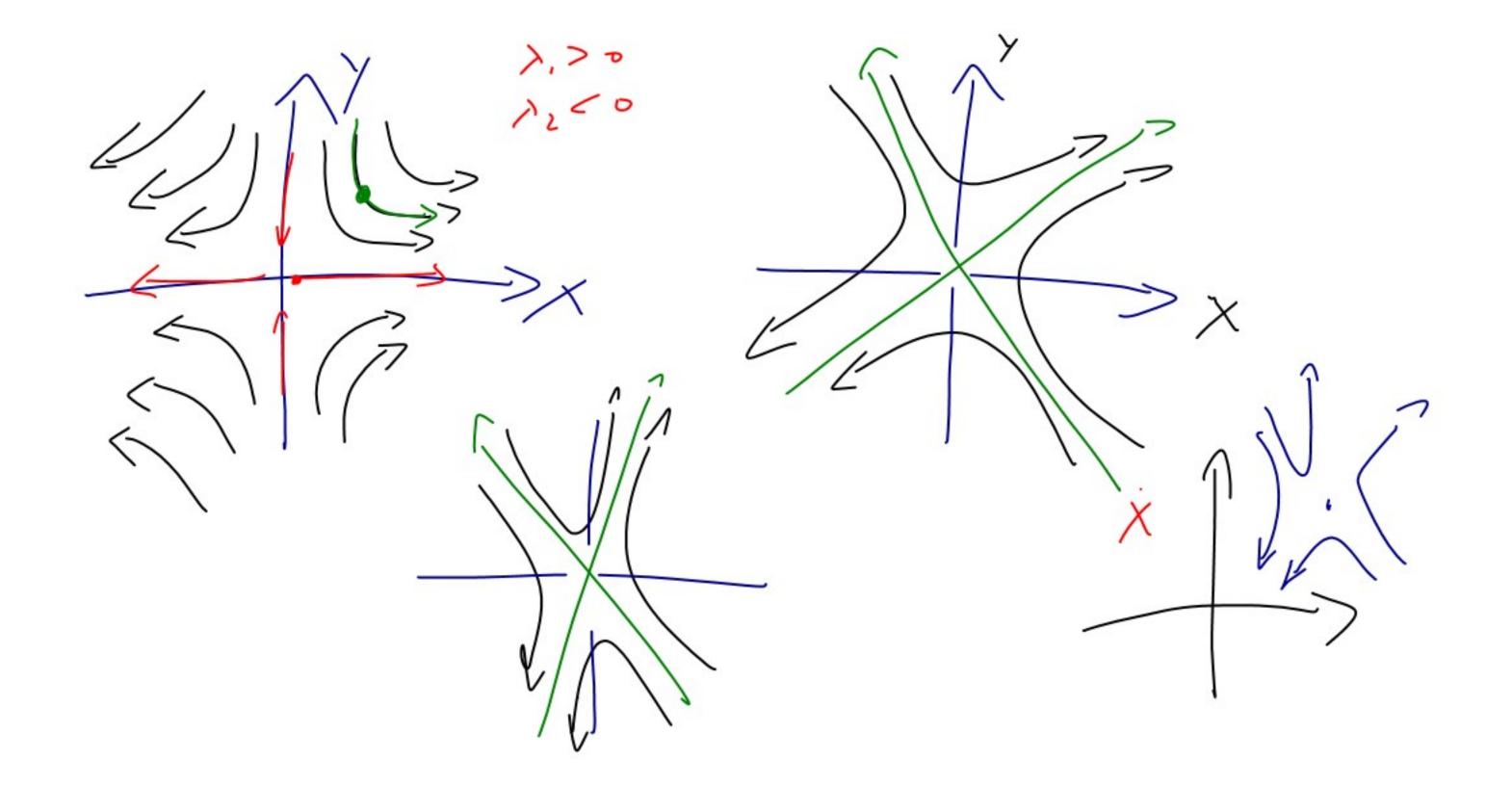


$$\frac{dy}{dx} = \frac{dy/dt}{dx/dt}$$

$$\begin{pmatrix}
\dot{x} \\
\dot{y}
\end{pmatrix} = \begin{pmatrix}
\lambda, & 0 \\
0, & \lambda
\end{pmatrix} \begin{pmatrix}
\dot{x} \\
\dot{y}
\end{pmatrix} = \begin{pmatrix}
\lambda, & X \\
\lambda_{\iota} & \lambda
\end{pmatrix}$$

$$\dot{x} = \lambda, & X \Rightarrow X_{\iota} = X_{\iota} \stackrel{\lambda}{\leftarrow} X_{\iota} + X_{\iota} \stackrel{\lambda}{\leftarrow} X_{\iota} +$$



$$\begin{pmatrix} \dot{x} \\ \dot{y} \end{pmatrix} = \begin{pmatrix} o \\ c \end{pmatrix} \begin{pmatrix} \lambda \\ y \end{pmatrix}$$

$$\begin{pmatrix} A - \lambda I \\ = 0 \end{pmatrix} \begin{pmatrix} A & \lambda I \end{pmatrix} W = \lambda \begin{pmatrix} A - \lambda I \end{pmatrix} W$$

$$\frac{J}{J} \left(\frac{\lambda}{\lambda} \right)$$

$$\frac{J}{J} \left(\frac{\lambda}{\lambda} \right) = \frac{\lambda}{\lambda} W$$

$$\frac{J}{J} \left(\frac{\lambda}{\lambda} \right) = \frac{\lambda}{\lambda} W$$

$$\frac{J}{J} \left(\frac{\lambda}{\lambda} \right) = \frac{\lambda}{\lambda} W$$

$$A = \begin{pmatrix} a & b \\ c & d \end{pmatrix}$$

$$A = \lambda J = \begin{pmatrix} a & b \\ c & d \end{pmatrix} - \begin{pmatrix} \lambda & 0 \\ 0 & \lambda \end{pmatrix} = 0$$

$$Z = a + d$$

$$\Delta = a + c - c + d$$

$$\Delta = a + c - c + d$$

$$\Delta = \lambda - c$$

$$Z = f' \times X = f = f(\frac{z}{e^{\lambda_{1}t}}) = (f_{1} f_{2} f_{1} f_{2}) = (f_{1} f_{2} f_{1} f_{2}) = (f_{1} f_{2} f_{2} f_{1} f_{2}) = (f_{1} f_{2} f_{2} f_{2} f_{2} f_{2}) = (f_{1} f_{2} f_{2} f_{2} f_{2} f_{2} f_{2} f_{2}) = (f_{1} f_{2} f_{2$$

$$(2) \lambda, = \lambda_{2} \in \mathbb{R}$$

$$f)(Q_{1}Q_{2})(Q$$

$$\begin{pmatrix} x \\ y \end{pmatrix} = A \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix}$$

 $ab+ba=\lambda ab+bae^{\lambda t}$ $b(a-\lambda a)+ba-b.e^{\lambda t} \rightarrow b=0.e^{\lambda t}e^{\lambda t}$ $b=0.e^{\lambda t}e^{\lambda t}$

$$\begin{pmatrix} x \\ 5 \end{pmatrix} = \begin{pmatrix} e^{\lambda_{1}}(6\delta t + C) \\ 6\delta e^{\lambda_{1}t} \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = e^{\lambda_{1}t} \begin{bmatrix} Q_{1} & Q_{1} \\ Y \end{bmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} Q_{1} & Q_{2} \\ Y \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} Q_{1} & Q_{2} \\ Y \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} x \\ y \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} x \\ y \end{pmatrix} \begin{pmatrix} x$$