Taylor Sevie >
$$f(x) \Rightarrow \lim_{x \to a} f(x) = f(a) + \frac{f(a)}{1!} (x-a) + \frac{f(a)}{2!} (x-a) + \dots$$

$$\chi \to a$$

$$I(x+y,y+v,t+i) \sim I(x,y+i) + I_x \cdot u + I_y \cdot v + I_t \cdot 1$$

$$\frac{(x,y,t)}{a} = I(x,y,t) + I_x u + I_y \cdot v + I_t$$

$$0 = I(x+u,y+v,t+i) - I(x,y,t) = I_x \cdot u + I_y \cdot v + I_t$$

$$I_y \cdot u + I_y \cdot v + I_t$$

$$\frac{I_{\chi} \cdot u + I_{y}, v_{+} I_{t} = 0}{\Rightarrow VI = \begin{bmatrix} I_{\chi} \\ I_{y} \end{bmatrix}}$$

$$\frac{VI \cdot \begin{bmatrix} u \\ v \end{bmatrix} = -I_{t}}{\text{motion vector}}$$