

$$\frac{(0,1)\rightarrow q_{12}}{(0,1)\rightarrow q_{12}}$$

$$(U,v)=(x_{\bullet},y_{\bullet})+S(x_1-x_{\bullet},y_1-y_{\bullet})+t(x_2-y_{\bullet},y_2-y_{\delta})$$

$$U(y,-y_0) = x_0(y_1-y_0) + S(y,-y_0)(x_1-x_0) + t(y,-y_0)(x_2-x_0)$$

$$U(y_1, y_0) - V(x_1 - x_0) = \chi_0 y_1 - y_0 x_1 + (y_1 x_2 - y_0 x_2 - y_1 x_0 - y_2 x_1 + y_0 x_1 + y_2 x_0) t$$

$$+ = U(y_1-y_0) - V(x_1-x_0) - x_0y_1 + y_0x_1$$

$$U(y_3 - y_0) = \chi_0(y_2 - y_0) + S(y_2 - y_0) (\chi_1 - \chi_0) + t^{-\alpha}$$

$$U(y_2 - y_8) - v(x_2 - x_8) = x_8 y_2 - y_8 x_2 + (y_2 x_1 - y_8 x_1 - y_2 x_8 - y_1 x_2 + y_8 x_2 + y_8$$

$$(1(y_2-y_3)-V(x_1-x_0)-X_0y_2+y_0X_2$$

$$S = \frac{\chi(y_2 - y_3) - \chi(x_1 - \chi_0) - \chi_0 y_2 + y_0 \chi_2}{y_1 \chi_1 - y_0 \chi_1 - y_2 \chi_0 - y_1 \chi_2 + y_0 \chi_2 + y_1 \chi_0}$$

5.
$$Q_{1}$$
 $Q_{0} = (u_{0}, v_{0})$ $Q_{1} = (u_{1}, v_{1})$ $Q_{2} = (u_{2}, v_{2})$

$$(u-u_{0}, v-v_{0}) = (s(u_{1}-u_{0})+t(u_{2}-u_{0}),$$

$$\left[\begin{array}{c} u-u_{0} \\ v-v_{0} \end{array}\right] = \left[\begin{array}{c} u_{1}-u_{0} & u_{2}-u_{0} \\ v_{1}-v_{0} & v_{2}-v_{0} \end{array}\right] \left[\begin{array}{c} S \\ t \end{array}\right]$$

$$= A^{-1} \left[\begin{array}{c} u-u_{0} \\ v-v_{0} \end{array}\right] \left[\begin{array}{c} u-u_{0} \\ v-v_{0} \end{array}\right] \left[\begin{array}{c} u-u_{0} \\ v-v_{0} \end{array}\right]$$

$$= \left[\begin{array}{c} v_{2}-v_{0} & u_{0}-u_{2} \\ v_{0}-v_{1} & u_{1}-u_{0} \end{array}\right] \left[\begin{array}{c} u-u_{0} \\ v-v_{0} \end{array}\right]$$

$$= \left[\begin{array}{c} (u_{1}-u_{0})(v_{2}-v_{0}) - (u_{2}-u_{0})(v_{1}-v_{0}) \end{array}\right]$$

$$(b) \quad p(u,v) = p_{0} + s(u,v)(p_{1}-p_{0}) + t(u,v)(p_{2}-p_{0})$$

$$\begin{bmatrix}
\frac{\partial S}{\partial u} \\
\frac{\partial L}{\partial v}
\end{bmatrix} = \frac{\begin{bmatrix}v_2 - v_3\\v_0 - v_1\end{bmatrix}}{\begin{bmatrix}u_1 - u_0\\v_1 - v_0\end{bmatrix}} = \frac{\begin{bmatrix}v_2 - v_3\\v_1 - v_0\end{bmatrix} - \begin{bmatrix}u_2 - u_3\\v_1 - v_0\end{bmatrix}}{\begin{bmatrix}u_1 - u_0\\v_2 - v_0\end{bmatrix} - (u_2 - u_3)(v_1 - v_3)}$$

$$\frac{\partial P}{\partial v} = \frac{\partial P}{\partial s} \frac{\partial S}{\partial v} + \frac{\partial P}{\partial t} \frac{\partial L}{\partial v} + \frac{\partial L}{\partial v} \frac{\partial L}{\partial v} +$$