







$$A'B' = m4\overline{AB}$$

$$A'C' = AC - m_2\overline{AC}$$

$$\frac{\widehat{A^l B^l}}{\widehat{AB}} = \frac{\widehat{A^l C^l}}{\widehat{AC}}$$

$$\frac{\mathcal{W}_{4} \overline{AB}}{\overline{AB}} = \frac{\overline{AC} - \mathcal{W}_{2} \overline{AC}}{\overline{AC}}$$

$$w_1 = 1 - w_2 \iff w_1 + w_2 = 1$$

$$A = (x_A, y_A)$$
,  $B = (x_B, y_B)$ ;  $C = (x_C, y_C)$ 

$$P = (\chi_{P_1} y_{P_2})$$

$$P = w_1 AB + w_2 AC$$

$$\begin{cases} \chi_{p} = w_{1} \chi_{B} + w_{2} \chi_{c} \\ \chi_{p} = w_{1} \chi_{B} + w_{2} \chi_{c} \end{cases}$$

$$\int_{A}^{A} x_{P} - x_{A} = w_{1}(x_{B} - x_{A}) + w_{2}(x_{C} - x_{A})$$

$$\int_{A}^{A} y_{P} - y_{A} = w_{1}(y_{B} - y_{A}) + w_{2}(y_{C} - y_{A})$$

$$y_p - y_A = \omega_L(y_B - y_A) + \omega_2(y_C - y_A)$$

$$\begin{cases} x_{P} = x_{A} + w_{1}(x_{B} - x_{A}) + w_{2}(x_{C} - x_{A}) \\ y_{P} = y_{A} + w_{1}(y_{B} - y_{A}) + w_{2}(y_{C} - y_{A}) \end{cases}$$

$$m_2 = \frac{y_{P} - y_A}{y_{e} - y_A} - m_1(y_B - y_A)$$

$$XP = XA + \omega_{\perp}(XB-XA) + \frac{y_P - y_A - \omega_{\perp}(y_B - y_A)}{y_e - y_A}(x_e - x_A)$$

$$\begin{array}{lll} \chi_P \left( Y_{e^-} Y_A \right) &=& \chi_A \left( Y_{e^-} Y_A \right) + \, m + \, (\chi_{e^-} \chi_A) \left( y_{e^-} Y_A \right) \\ &+ \, \left( y_P - y_A \right) \left( \chi_{e^-} \chi_A \right) \\ &- \, m + \, \left( y_{B^-} y_A \right) \left( \chi_{e^-} \chi_A \right) \end{array}$$

$$= N \left( (x_B - x_A)(y_e - y_A) - (y_B - y_A)(x_e - x_A) \right)$$

 $m_{1} = \frac{(Y_{c} - Y_{A})(x_{P} - x_{A}) - (Y_{P} - Y_{A})(x_{e} - x_{A})}{(x_{B} - x_{A})(y_{e} - y_{A}) - (y_{B} - y_{A})(x_{e} - x_{A})}$