

$$R = \frac{V}{\dot{\varrho}} = \frac{L_z}{2} \frac{V_e + V_r}{V_e - V_r}$$

$$\dot{\varphi} = \frac{V_e - V_r}{L_z} \qquad V = \frac{V_e + V_r}{2}$$

$$V_e = \frac{2V + \ell_z}{2} = \dot{\varrho} \left(R + \frac{L_z}{2} \right)$$

$$V_r = \frac{2V - \dot{\varrho} L_z}{2} = \dot{\varrho} \left(R + \frac{L_z}{2} \right)$$

$$V_r = \frac{2V - \ell L_z}{2} = \ell \left(R + \frac{L_z}{2}\right)$$

$$\begin{bmatrix}
P_{x} \\
P_{y} \\
P_{y}
\end{bmatrix} = \begin{bmatrix}
P_{x_{h-1}} + \Delta t & C_{v} V_{h-1} S_{1}^{2} n & (V_{h-1} - d) + V_{P_{x_{h}}} \\
P_{y_{h-1}} + \Delta t & C_{v} V_{h-1} cos & (V_{h-1} - d) + V_{P_{y_{h}}} \\
V_{h} + \Delta t & \dot{V} + V_{V_{h}}
\end{bmatrix}$$

if
$$V_{\ell} = V_{r}$$
 $C_{\nu} = 1$
 $C_{\nu} = V_{r}$
 $C_{\nu} = L_{1}$
 C_{ν}



