$$\dot{\phi}_{1} = \frac{-\mathcal{D}\dot{\theta} + \mathcal{V}_{X}}{r}$$

$$\dot{\phi}_{2} = \frac{\dot{\phi}_{1}r + \mathcal{V}_{X}}{r}$$

$$\dot{\phi}_{3} = \frac{\dot{\phi}_{1}r + \mathcal{V}_{X}}{r}$$

$$\dot{\phi}_{4} = \frac{\dot{\phi}_{1}r + \mathcal{V}_{X}}{r}$$

$$\dot{\phi}_{5} = \frac{\dot{\phi}_{1}r + \mathcal{V}_{X}}{r}$$

$$\dot{\phi}_{7} = \frac{\dot{\phi}_{1}r + \mathcal{V}_{X}}{r}$$

$$\phi_2 = 90 \times V_X$$

$$V_X = \delta_2 r - 9$$

$$\dot{\theta} = -\dot{\theta}_{1} + \dot{\theta}_{2} \qquad (3)$$

$$V_{x} = \dot{Q}_{2}r - D\left(-\frac{\dot{Q}_{1}r - \dot{Q}_{2}r}{2D}\right)$$

$$=\dot{\phi}_{2} \cdot - \left( -\frac{\dot{\phi}_{1} \cdot - \dot{\phi}_{2} \cdot }{2} \right)$$

$$= \dot{\phi}_{2} c + \frac{\dot{\phi}_{1} c - \dot{\phi}_{2} c}{2}$$

$$V_{x} = \frac{2\dot{\phi}_{z'} + \dot{\phi}_{i'} - \dot{\phi}_{z'}}{z} = \frac{\dot{\phi}_{i'} + \dot{\phi}_{z'}}{z}$$
 (4)