$$\theta_{fr}^{i+1} = \theta_{fr}^{i} + u_{fr}^{i}$$

$$l^{i+1} = l^{i} + u_{l1}^{i} + u_{l2}^{i}$$

$$\theta_{fl}^{i+1} = \theta_{fl}^{i} + u_{fl}^{i}$$

$$q^{i+1}$$

$$(x^{i+1}, y^{i+1})$$

$$u_{B}^{i}$$

$$\theta_{fr}^{i+1}$$

$$u_{B}^{i}$$

$$u_{A}^{i}$$

$$u_{A}^{i}$$