$$Xt = X_{t-1} + (V_{t} \cos \theta_{t-1}) dt$$

$$Yt = Y_{t-1} + V_{t} \sin \theta_{t-1}) dt$$

$$\theta = \theta_{t-1} + W_{t} dt$$

$$\theta = \theta_{t-1} + W_{t} dt$$

$$G_{\epsilon} = \frac{\lambda_{g}(\mu_{\epsilon}, \mu_{\epsilon-1})}{\lambda_{\kappa_{\epsilon}-2}} = \frac{\lambda_{\kappa'}}{\lambda_{\mu_{\epsilon}-1, \kappa}} \frac{\lambda_{\kappa'}}{\lambda_{\mu_{\epsilon}-1, \gamma}} \frac{\lambda_{\kappa'}}{\lambda_{\kappa'}} \frac{\lambda_{\kappa'}}{\lambda_$$

$$G_6 = \begin{bmatrix} 1 & 0 & -v_{\xi} \sin \theta_{\xi-1} \Delta t \end{bmatrix}$$

$$V_{\xi} \cos \theta_{\xi-1} \Delta t$$

$$V_{t} = \frac{\partial g(M_{t}, M_{t}-1)}{\partial M_{t}} = \begin{bmatrix} \frac{\partial x'}{\partial v_{t}} & \frac{\partial x'}{\partial w_{t}} \\ \frac{\partial y'}{\partial v_{t}} & \frac{\partial y'}{\partial w_{t}} \\ \frac{\partial \theta'}{\partial v_{t}} & \frac{\partial \theta}{\partial w_{t}} \end{bmatrix} \frac{\partial w_{t}}{\partial w_{t}}$$

$$M_{\xi} = \begin{bmatrix} 6^{2} & 0 \\ 0 & 6w^{2} \end{bmatrix} = \begin{bmatrix} 0.15^{2} & 0 \\ 0 & 0.1^{2} \end{bmatrix}$$

$$V_{t} = \begin{bmatrix} \cos \theta_{t-1} \triangle t & 0 \\ \sin \theta_{t-1} \triangle t & 0 \\ 0 & \Delta t \end{bmatrix}$$

$$h(\overline{u}) = \begin{cases} \nabla (m_j \times -x)^2 + (m_j y - y)^2 \\ a_{1} (m_j y - y) + (m_j y - y)^2 \\ a_{2} (m_j y - y) + (m_j y - y)^2 \\ a_{3} (m_j y - y) + (m_j y - y)^2 \\ a_{4} (m_j y - y) + (m_j y - y)^2 \\ a_{4} (m_j y - y) + (m_j y - y)^2 \\ a_{5} (m_j y - y) + (m_j y - y)^2 \\ a_{7} (m_j y - y) +$$

$$H_{\epsilon} = \frac{\int r_{\epsilon}^{i} dr_{\epsilon}^{i} dr_{\epsilon}^{i}}{\int \overline{w}_{\epsilon, x} d\overline{w}_{\epsilon, y}} \frac{\partial r_{\epsilon}^{i}}{\partial \overline{w}_{\epsilon, 0}}$$

$$\frac{\partial \varphi_{\epsilon}^{i}}{\partial \overline{w}_{\epsilon, x}} \frac{\partial \varphi_{\epsilon}^{i}}{\partial \overline{w}_{\epsilon, y}} \frac{\partial \varphi_{\epsilon}^{i}}{\partial \overline{w}_{\epsilon, 0}}$$

$$\frac{\partial \varphi_{\epsilon}^{i}}{\partial \overline{w}_{\epsilon, x}} \frac{\partial \varphi_{\epsilon}^{i}}{\partial \overline{w}_{\epsilon, y}} \frac{\partial \varphi_{\epsilon}^{i}}{\partial \overline{w}_{\epsilon, 0}}$$

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