Delitude kinematics

$$\hat{q} = \frac{1}{2} \cdot \Omega \quad \text{Ounterview}$$

where $\Omega = \begin{bmatrix} 0 & -\omega_x & -\omega_y & -\omega_z \\ \omega_n & 0 & \omega_z & -\omega_y \\ \omega_y & -\omega_z & 0 & \omega_n \\ \omega_z & \omega_y & -\omega_n & 0 \end{bmatrix}$
 $\omega_{b|v} = \begin{bmatrix} \rho \\ q \end{bmatrix} = \begin{bmatrix} \omega_n \\ \omega_y \\ \omega_z \end{bmatrix} \quad \text{foll rate}$

where $\omega_z = \omega_z \quad \omega_z \quad$

Implementation in Simulink

