Wednesday, October 9, 2019 3:09 PM

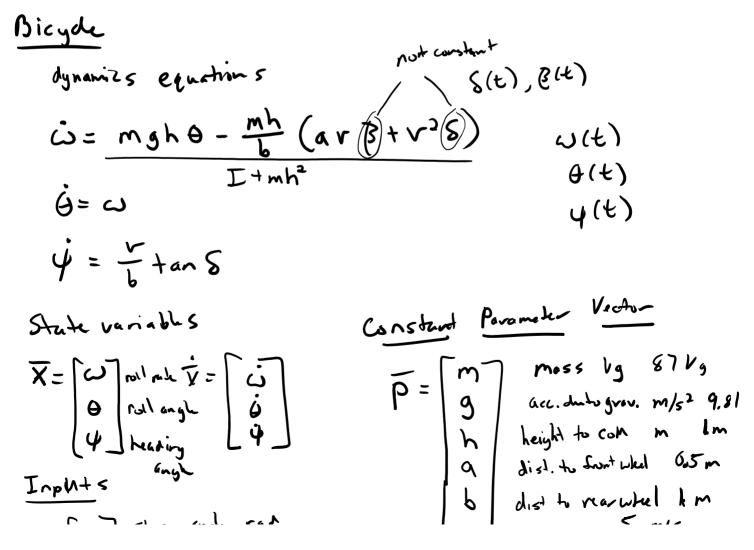
3 Ports

$$e_1 f_2$$

 $e_1 = e_2 = e_3$
 $f_3 = f_1 + f_2 \text{ or } 0 = f_1 + f_2 - f_3$
 $f_3 = f_1 + f_2 \text{ or } 0 = f_1 + f_2 - f_3$

common flow (1 junction)

$$e_{2}|_{f_{2}}^{f_{2}}$$
 $f_{1} = f_{2} = f_{3}$
 $\frac{e_{1}}{f_{1}}$ $1 = \frac{e_{3}}{f_{3}}$ $e_{3} = e_{1} + e_{2} \quad or \quad O = e_{1} + e_{2} - e_{3}$



eme171-107 Page 1

Inplifies

$$\overline{\Gamma} = \begin{bmatrix} \delta \\ \delta \end{bmatrix}$$
 steer rate rad/s

 $\overline{\Gamma} = \begin{bmatrix} \delta \\ \delta \end{bmatrix}$ steer rate rad/s

 $\overline{\Gamma} = \begin{bmatrix} \delta \\ \delta \end{bmatrix}$ steer rate rad/s

 $\overline{\Gamma} = \begin{bmatrix} \delta \\ \delta \end{bmatrix}$ roll moment of inertia 3.28 kgm²