$$\left(C_e \cdot \dot{e}\right)_e \cdot \dot{e}$$

$$C_1(e,t) = S(t) \cdot e(t) = \begin{bmatrix} 0 \\ 0 \end{bmatrix}$$

$$C_2(e,t) = e_3 = 0$$
$$C_3(e,t) = e_4 = 0$$

$$\begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} = \begin{bmatrix} S(t) \cdot e(t) \\ e_3 \\ e_4 \end{bmatrix}$$

$$S(t) = \begin{bmatrix} S_1 & 0 & S_2 & 0 & S_3 & 0 & S_4 & 0 \\ 0 & S_1 & 0 & S_2 & 0 & S_3 & 0 & S_4 \end{bmatrix}$$

$$e = \left[e_1, \dots, e_8\right]^T$$

$$S(t) \cdot e(t) = \begin{matrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \end{matrix}$$
$$\begin{bmatrix} S_1 & 0 & S_2 & 0 & S_3 & 0 & S_4 & 0 \\ 0 & S_1 & 0 & S_2 & 0 & S_3 & 0 & S_4 \end{bmatrix} \cdot \begin{bmatrix} e_1 \\ e_2 \\ \hline e_3 \\ e_4 \\ \hline e_5 \\ e_6 \\ \hline e_7 \\ e_8 \end{bmatrix} =$$

$$\frac{\partial}{\partial e_1}\left(S_1 \dot{e}_1\right) =$$