

$$\hat{\eta}_{x} = \begin{bmatrix} \|\hat{\eta}_{x} - (\hat{\eta}_{x}\hat{e}_{2})\hat{e}_{1}\|\cos(\omega t + \phi_{0}) \\ \|\hat{\eta}_{x} - (\hat{\eta}_{x}\hat{e}_{2})\hat{e}_{1}\|\sin(\omega t + \phi_{0}) \\ (\hat{\eta}_{x} \cdot \hat{e}_{2}) \end{bmatrix}$$

$$\hat{y}^{x} : \begin{bmatrix} u^{x} \\ u^{x^{2}} \\ u^{x^{2}} \end{bmatrix}$$

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