



$$\begin{cases} \dot{\gamma} : q(\xi_{R}(t), \eta(t)) \\ v_{R} = \frac{y_{R}(t)}{q_{R}(t), \eta(t)} \end{cases}$$

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$$\dot{z} = \begin{pmatrix} 0 & 1 \\ 0 & -1 \end{pmatrix} z + \begin{pmatrix} 0 \\ 1 \\ 1 \end{pmatrix} y_{R}^{(r)}(t)$$

the inverse olynomics in the ERTP is