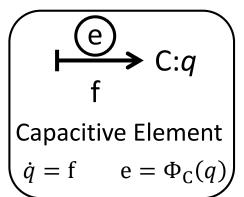
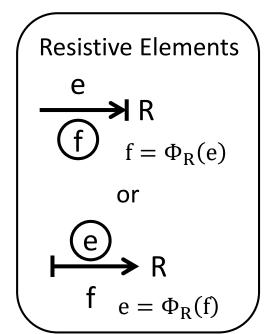
1-Port Elements

$$S_e \xrightarrow{u_e}$$
Effort Source

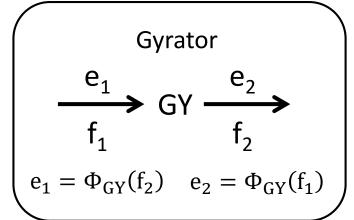
$$e \\ \hline f \\ l:p$$
Inertial Element
$$\dot{p} = e \quad f = \Phi_{I}(p)$$

$$S_f \longrightarrow S_f$$
 Flow Source





2-Port Elements



Transformer
$$\begin{array}{c} e_1 \\ \hline f_1 \end{array} \longrightarrow \begin{array}{c} f_2 \\ \hline f_2 \end{array}$$

$$e_1 = \Phi_{TF}(e_2) \quad f_2 = \Phi_{TF}(e_1)$$

Multi-Port Elements

