























Туре	Diagram	Transfer function
Series	$\underbrace{u_1}_{y_1u_1}\underbrace{y_1}_{u_2}\underbrace{H_{y_2u_2}}_{y_2}\underbrace{y_2}_{y_2}$	$H_{y_2u_1} = H_{y_2u_2}H_{y_1u_1} = \frac{n_1n_2}{d_1d_2}$
Parallel	$\underbrace{u_1} \xrightarrow{H_{y_1u_1}} \underbrace{\Sigma} \xrightarrow{y_3}$	$H_{y_3\mu_1} = H_{y_2\mu_1} + H_{y_1\mu_1} = \frac{n_1d_2 + n_2d_1}{d_1d_2}$
Feedback	$\xrightarrow{r} \underbrace{\sum}_{y_2} \underbrace{H_{y_1 u_1}}_{y_2 u_2} \underbrace{y_1}_{u_2}$	$H_{y_1r} = \frac{H_{y_1u_1}}{1 + H_{y_1u_1}H_{y_2u_2}} = \frac{n_1d_2}{n_1n_2 + d_1d_2}$
<ul><li>These are th</li><li>Formally, c</li></ul>	ne basic manipulations neede ould work all of this out usin	d; some others are possible g the original ODEs (⇒ nothing <i>really</i> new

















