

















## ETH Mathematical Modeling of Physical Systems Eligenössische Technische Hochschule Zünich Swiss Federall Institute of Technology Zunich **Rationale for Multi-bond Graphs** • It is important to keep the distance between the lowermost graphical layer and the equation layer small, such that as few equations as possible need to be maintained in alphanumerical form. • Bond graphs and multi-bond graphs provide the most primitive graphical interface that is still fully object-oriented. Hence, when using bond graphs, the distance between the lowermost graphical layer (the bond graph layer) and the equation layer is minimized.

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