

Treatment of Discontinuities

- Today, we shall look at the problem of dealing with discontinuities in models.
- Models from engineering often exhibit discontinuities that describe situations such as switching, limiters, dry friction, impulses, or similar phenomena.
- The modeling environment must deal with these problems in special ways, since they influence strongly the numerical behavior of the underlying differential equation solver.

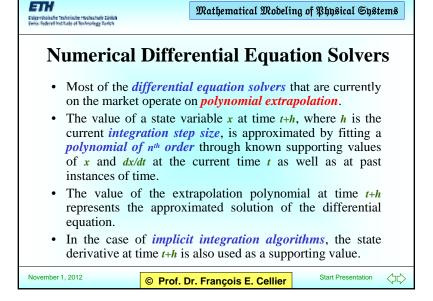
November 1, 2012

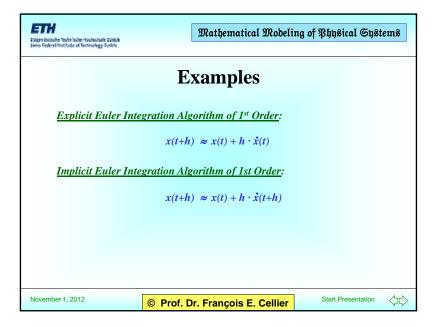
© Prof. Dr. François E. Cellier

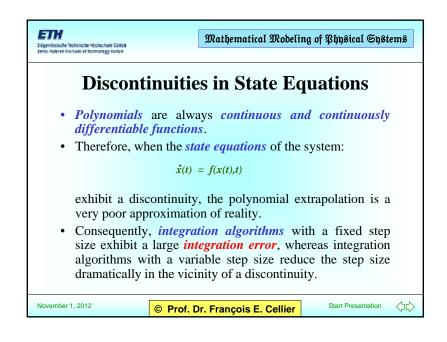
Start Presentation

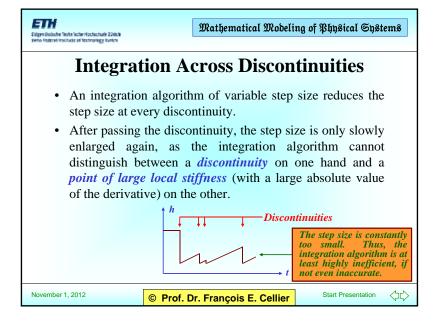


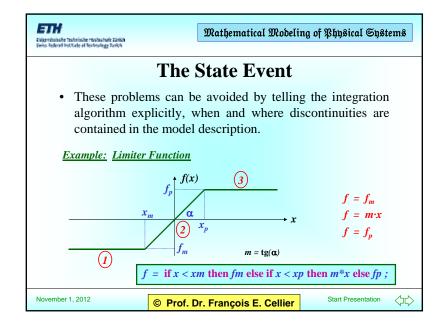


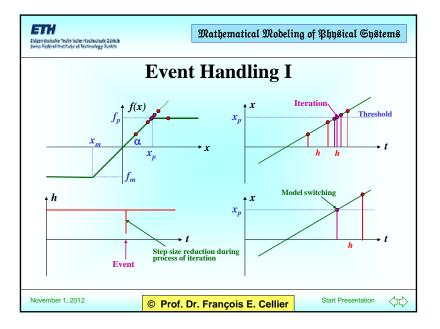


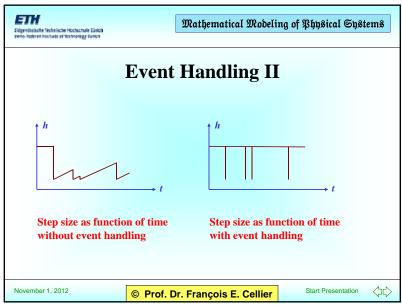


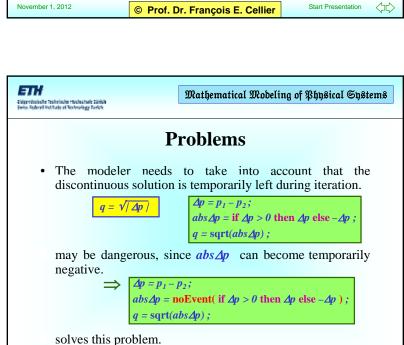








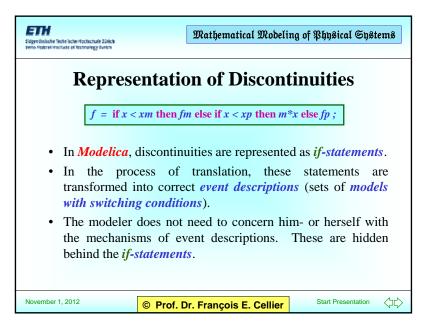


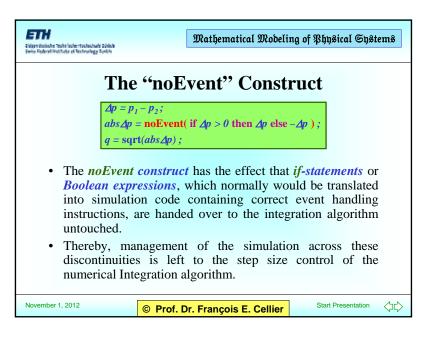


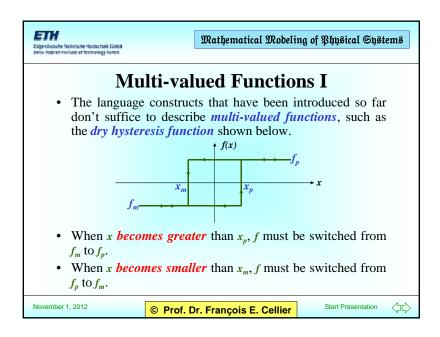
© Prof. Dr. François E. Cellier

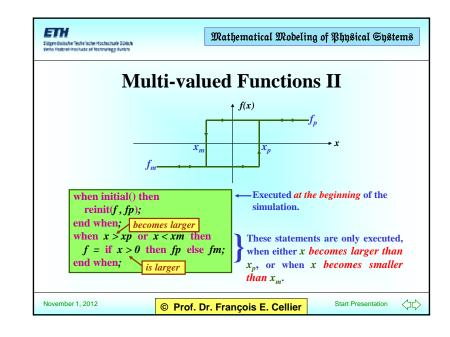
Start Presentation

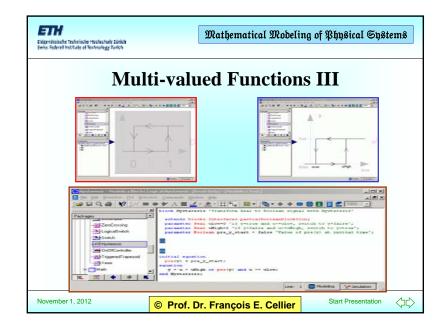
November 1, 2012

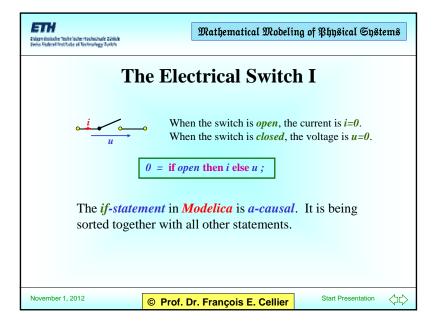


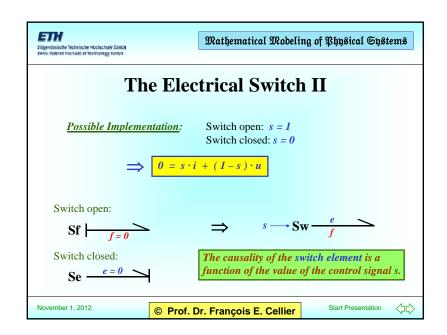


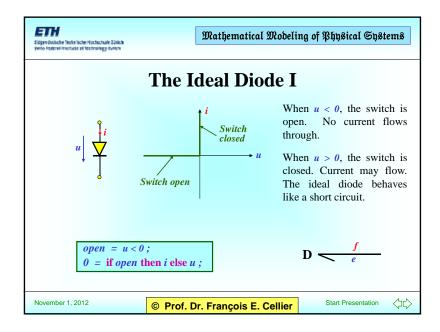


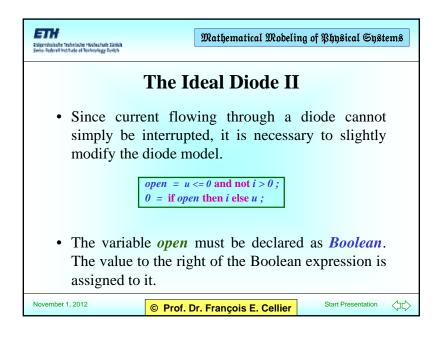


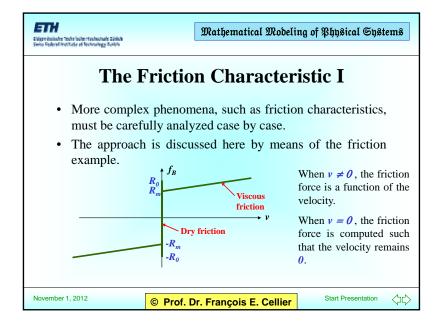


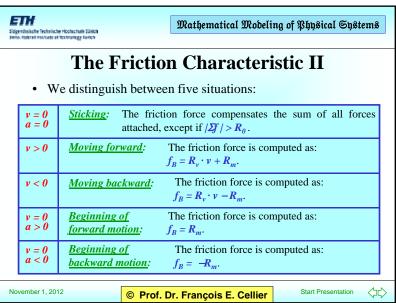


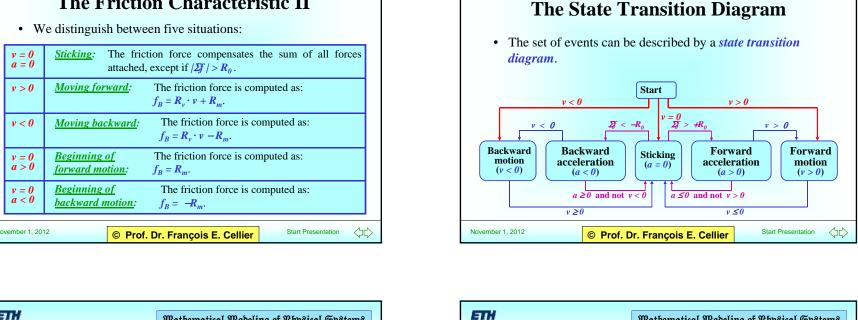






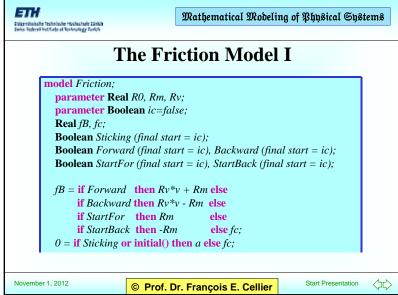


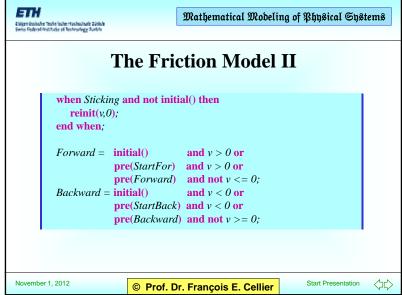




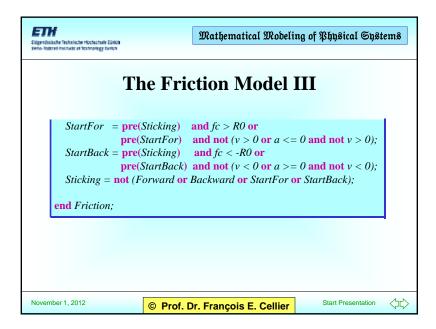
ETH

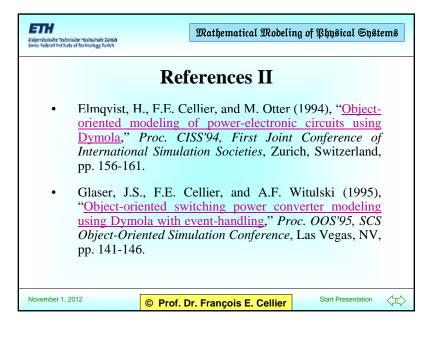
Sidgen össische Techn ische Hochschule Zünich Swiss Pederal Inschule all Technology Zunich

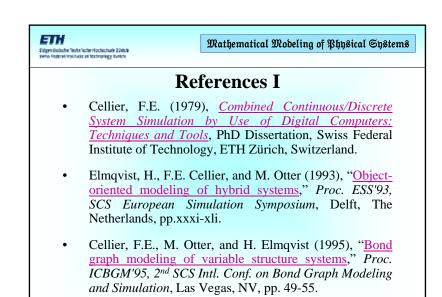




Mathematical Modeling of Physical Systems







© Prof. Dr. François E. Cellier

Start Presentation

November 1, 2012