







Cidge nössische Technische Hochschule Zünich Swiss. Federall Institute af Technology Zunich

Mathematical Modeling of Physical Systems

The Thermo-Bond Graph Connectors II

• Like in the case of the general bond-graph library, also the thermo-bond-graph library offers *causal* next to *a-causal* bonds.













































































ETH Mathematical Modeling of Physical Systems Eidgenössische Technische Hochschule Zünich Swiss, Referall Institute of Technology Zusich The Water Serpentine III - IOI X We are now ready to simulate this system. ٠ stion Dislog Error Simulation Translation of The DAE having 4957 Ъ. 10 STATISTICS 1 12 Original Model Number of components: 3 Vasiables: 4706 Donstants: 1 (1 scalars) Parameters: 244 (780 sc Unknowns: 4461 (4857) order 296 KAL VF K 0 0 ዥ 8 5**5** ~~~ TF ~~~ 1 (m> R 5 3 ዥ nstants: 702 scala 0 :61 Ŧ 8 1 . ₩-1 ₩-> R ∎Ω≨ <u>ି</u>କ୍ଲ୍ 🕯 one 17.7.7.7 2 2 2 n of the linear a ŝ November 22, 2012 Start Presentation $\langle \downarrow \rangle$ © Prof. Dr. François E. Cellier







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