

Art of Modelling Contact Problems in Multibody Dynamics

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ABSTRACT

This talk focuses on the main ingredients associated the art of modelling contact problems in multibody dynamics, covering the different methods to handle frictional collisions, namely the piecewise and continuous analysis. Special attention is given to the numerical aspects related to modelling and simulation of contact-impact events. Several examples of application will be considered to discuss the key features related to the modelling process of frictional contacts in dynamics systems.