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## DEVELOPMENT OF SHEAR AND CROSS SECTION DEFORMABLE BEAM FINITE ELEMENTS APPLIED



Trauner Verlag Mrz 2013, 2013. Taschenbuch. Book Condition: Neu. 20.8x14.6x cm. Neuware - The objective of the present thesis is the development of new beam finite elements for multibody dynamics systems that are capable of large deformations. Planar and spatial beam finite elements are presented which can reproduce axial, bending, shear and, in the three-dimensional case, torsional deformation and are based on the absolute nodal coordinate formulation (ANCF). The existing ANCF elements in the open literature showed significant problems regarding...

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- Authored by Karin Nachbagauer
- Released at 2013



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