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Selected Publications:

Kriegesmann, B. and Rolfes, R. and Hühne, Christian and Teßmer, Jan and Arbocz, J. (2010) Probabilistic Design of Axially Compressed Composite Cylinders with Geometric Imperfections and Loading. *International Journal of Structural Stability and Dynamics*, 10 (4) , pages 623-645. Imperial College Press. ISSN 0219-4554.

Kriegesmann, Benedict and Hühne, Christian and Rolfes, Raymond and Teflmer, Jan (2008) Imperfection Measurement and Analysis for Cylindrical Shells made of six composite. DLR Internal Report. DLR-IB 131-2008/26, 53 pp.

Hühne, Christian and Rolfes, Raymond and Breitbach, Elmar and Teßmer, Jan (2007) Robust design of composite cylindrical shells under axial compression -. Simulation and validation Thin-Walled Structures, 86 (7-9), pp. 947-962. Elsevier Ltd. .. DOI: doi: 10.1016/j.tws.2008.01.043.

Christian Huehne, Raimund Rolfes and Jan Tessmer, "A new approach for robust design of composite cylindrical shells under axial compression", Proceedings of the European Conference on Spacecraft Structures, Materials and Mechanical Testing 2005 (ESA SP-581). 10-12 May 2005, Noordwijk, The Netherlands. Edited by Karen Fletcher. Published on CD-Rom, #141.1, doi: 2005ESASP.581E.141H

Hühne, Christian (2005) Robust design beulgef%ohrdeter, unstiffened cylindrical shells made of fiber composite material. dissertation, Technical University of Braunschweig

Hühne, Christian (2004) An improved approach for determining the material parameters of thin-walled, lack of stability structures of fiber composite material. DLR Internal Report. DLR-IB 131-2004/44, 32 pp.

R. Rolfes, C. Hühne, A. Kling, H. Temmen, B. Geier, H. Klein, J. Tessmer, R. Zimmermann (Institute of Structural Mechanics, DLR, Braunschweig, Germany), "Advances in computational stability analysis of thin-walled aerospace structures regarding postbuckling, robust design and dynamic loading", in Thin-Walled Structures: Advances in Research, Design and Manufacturing ... edited by J. Loughlan, Fourth International Conference on Thin-Walled Structures, 2004, IOP Publishing Ltd.

Kares, Sebastian and Hühne, Christian (2003) Relationship Between Membrane Imperfektionsempfindlichkeit And Stiffness Reduction Of The Anisotropic Circular Cylinder Shells. DLR Internal Report. DLR-IB 131-2003/25, 111 pp.

Christian Huehne, Rolf Zimmermann, Raimund Rolfes, and Bodo Geier, DLR Braunschweig, Institute of Structural Mechanics, Germany, "Sensitivities to geometrical and loading imperfections on buckling of composite cylindrical shells", (no publisher or date given, but the most recent reference listed at the end of the paper is 2002