



Professor Franc Kosel

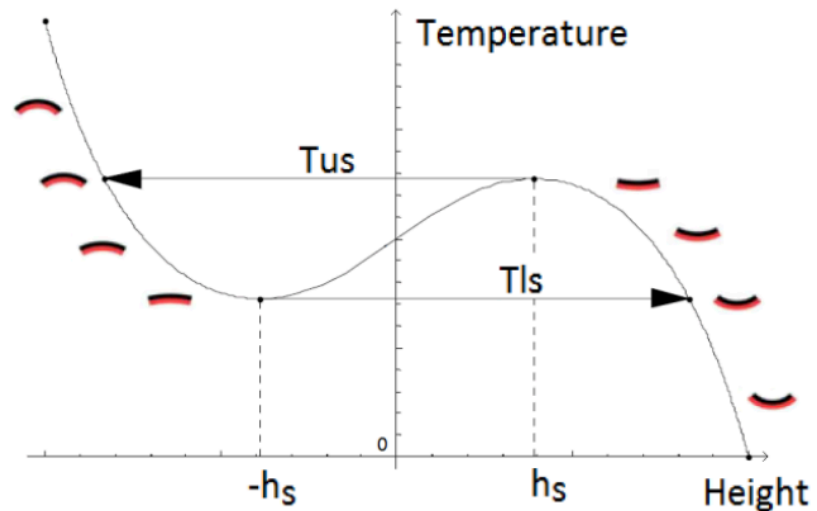


Fig. 3. Qualitative characteristic of thermo-bimetal-snap disc. Bending of the discs is exaggerated. The active steel layer is black, the passive invar layer red.

From: Ziga Gosar and Franc Kosel, "Experimental analysis of kinematics of snap-through of the shallow axisymmetric parabolic bimetallic shell", International Journal of Basic & Applied Sciences (IJBAS-IJENS), Vol 13, No. 4, August 2013

See:

http://www.researchgate.net/profile/Franc_Kosel

<http://65.54.113.26/Author/12900858/franc-kosel>

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Laboratory for Nonlinear Mechanics
Faculty of Mechanical Engineering
University of Ljubljana, Askerceva 6, SI-1000 Ljubljana, Slovenia

Selected Publications:

Ziga Gosar and Franc Kosel, "Experimental analysis of kinematics of snap-through of the shallow axisymmetric parabolic bimetallic shell", International Journal of Basic & Applied Sciences (IJBAS-IJENS), Vol 13, No. 4, August 2013

F. Kosel, M. Jakomin, M. Batista, and T. Kosel, "Snap-through of the system of open shallow axisymmetric bimetallic shell by non-linear theory," Thin-Walled Structures, vol. 44, no. 2, pp. 170–183, 2006.

F. Kosel and M. Jakomin, "Snap-through of the axi-symmetric bimetallic shell," in Proceedings of the 3rd International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, September 2007.

M. Batista and F. Kosel, "Thermoelastic stability of bimetallic shallow shells of revolution," International Journal of Solids and Structures, vol. 44, no. 2, pp. 447–464, 2007.

M. Batista and F. Kosel, "Thermoelastic stability of a double-layered spherical shell," International Journal of Non-Linear Mechanics, vol. 41, no. 9, pp. 1024–1035, 2006.

M. Jakomin, F. Kosel, and T. Kosel, "Thin double curved shallow bimetallic shell of translation in a homogenous temperature field by non-linear theory," *Thin-Walled Structures*, vol. 48, no. 3, pp. 243–259, 2010.

M. Jakomin, F. Kosel, and T. Kosel, "Buckling of a shallow rectangular bimetallic shell subjected to outer loads and temperature and supported at four opposite points," *Advances in Mechanical Engineering*, vol. 2009, Article ID 767648, 17 pages, 2009

M. Jakomin, F. Kosel, "Stability of the Shallow Axisymmetric Parabolic-Conic Bimetallic Shell by Nonlinear Theory," *Mathematical Problems in Engineering*, 2011.

Joze Stropnik and Franc Kosel, "Thermomechanical analysis of elastoplastic cyclic torsion of a tubular element", *Journal of Thermal Stresses*, Vol. 34, No. 9, pp 893-910, 2011