



## Professor Gennady M. Kulikov

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<http://scholar.google.com/citations?user=Q7gww7sAAAAJ&hl=en>

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### Selected Publications:

Exact Geometry Piezoelectric Solid-Shell Element Based on the 7Parameter Model, G. M. Kulikov, S. V. Plotnikova, *Mechanics of Advanced Materials and Structures*, vol. 18, no. 2, pp. 133-146, 2011

Contact interaction of composite shells, subjected to follower loads, with a rigid convex foundation, G. M. Kulikov, S. V. Plotnikova, *Mechanics of Composite Materials* vol. 46, no. 1, pp. 43-56, 2010

Solution of a coupled problem of thermopiezoelectricity based on a geometrically exact shell element, G. M. Kulikov, V. Plotnikova, *Mechanics of Composite Materials*, vol. 46, no. 4, pp. 349-364, 2010

A family of ANS four-node exact geometry shell elements in general convected curvilinear coordinates, G. M. Kulikov, S. V. Plotnikova, *International Journal for Numerical Methods in Engineering*, 2010

Calculation of composite structures subjected to follower loads by using a geometrically exact shell element, G. M. Kulikov, S. V. Plotnikova, *Mechanics of Composite Materials*, vol. 45, no. 6, pp. 545-556, 2009

Kulikov G.M., Carrera E. (2008): 'Finite deformation higher-order shell models and rigid-body motions', *International Journal of Solids and Structures*, 45, pp.3153–3172

Kulikov, G. M.; Plotnikova, S. V.: Simple and effective elements based upon timoshenko-mindlin shell theory. *Computer Methods in Applied Mechanics and Engineering*, 191, (2002), 1173–1187.

Grigolyuk, E.I, Kulikov, G.M., 1988, *Multilayer Reinforced Shells: Calculation of Pneumatic Tires*. Moscow: Mashinostroenie, 288 p. [in Russian].

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