



**Professor Alexander V. Lopatin**

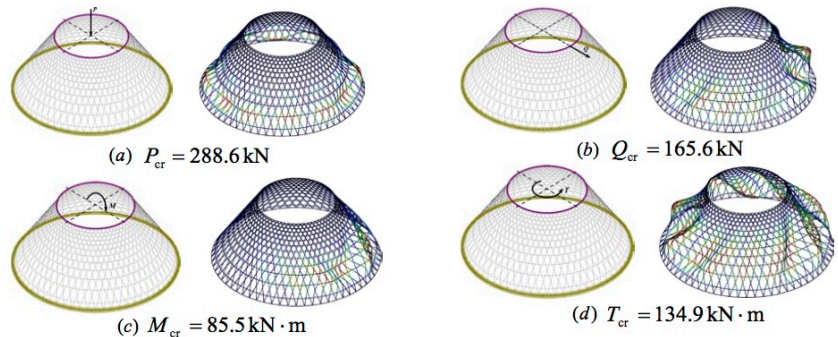


Figure 2: Buckling modes: (a) compression; (b) transverse bending; (c) pure bending; (d) torsion

From: E.V. Morozov, A.V. Lopatin and V.A. Nesterov, “Buckling analysis and design of anisogrid composite lattice conical shells”, *Composite Structures*, Vol. 93, No. 12, pp. 3150-3162, November 2011

See:

[https://www.researchgate.net/profile/Alexander\\_Lopatin](https://www.researchgate.net/profile/Alexander_Lopatin)

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#### Education:

Degree in engineering, Siberian Aerospace State University, Krasnoyarsk, 1979. Doctor of Philosophy in Structural Mechanics, Moscow Institute Aviation Technology, 1983. D Science in Mechanics of Solids, Moscow Aviation Institute, 1993

#### Career:

Professor Siberian Aerospace State University, Krasnoyarsk, Russia, 1983—1989, professor, head computational modeling department, 1993—2007. Researcher Moscow Institute Aviation Technology, 1989—1993. Scientific consultant Central Institute Special Machine, Moscow, 1989—1993, Research & Production Association Applied Mechanics, Krasnoyarsk, since 1993

#### Selected Publications:

A.V. Lopatin, Y.B. Korbut, Buckling of clamped orthotropic plate in shear, *Compos Struct*, 76 (2006), pp. 94–98

Alexander V. Lopatin and Marina A. Rutkovskaya, “Accuracy analysis of the reflective surface of the umbrella-type antenna”, *AIAA Journal of Spacecraft and Rockets*, Vol. 45, No. 1, January-February 2008

A.V. Lopatin and E.V. Morozov, “Symmetrical facing wrinkling of composite sandwich panels”, *Journal of Sandwich Structures and Materials*, Vol. 10, No. 6, pp 475-497, Nov. 2008

A.V. Lopatin and E.V. Morozov, “Buckling of the SSFF rectangular orthotropic plate under in-plane pure

bending”, *Composite Structures*, Vol.90, No. 3, October 2009, pp. 287-294

A.V. Lopatin and E.V. Morozov, “Buckling of the CCFE orthotropic rectangular plates under in-plane pure bending”, *Composite Structures*, Vol.92, No. 6, May 2010, pp. 1423-1431

E. V. Morozov, A. V. Lopatin, and V. A. Nesterov, “Finite-element modelling and buckling analysis of anisogrid composite lattice cylindrical shells,” *Composite Structures*, vol. 93, pp. 308–323, Jan. 2011.

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A.V. Lopatin, E.V. Morozov and A.V. Shatov, “Buckling of the composite anisogrid lattice plate with clamped edges under shear load”, *Composite Structures*, Vol. 159, pp 72-80, January 2017

A.V. Lopatin, E.V. Morozov and A.V. Shatov, “Buckling of uniaxially compressed composite anisogrid cylindrical panel with clamped edges”, *Composite Structures*, Vol. 160, pp 765-772, January 2017

A.V. Lopatin and E.V. Morozov, “Buckling of composite cylindrical shells with rigid end disks under hydrostatic pressure”, *Composite Structures*, Vol. 173, pp 136-143, August 2017