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Selected Publications:

Sofiyev AH, Kuruoglu N. Combined effects of transverse shear stresses and nonlinear elastic foundations on the nonlinear dynamic response of heterogeneous orthotropic cylindrical shells. *Composite Structures* 166, 153-162, 2017

Sofiyev AH, Kuruoglu N. Combined effects of elastic foundations and shear stresses on the stability behavior of functionally graded truncated conical shells subjected to uniform external pressures. *Thin-Walled Structures* 102, 68-79, 2016

Sofiyev AH, Kuruoglu N. The stability of FGM truncated conical shells under combined axial and external mechanical loads in the framework of the shear deformation theory. *Composites Part B-Engineering* 92: 463-476, 2016

Sofiyev AH, Kuruoglu N, On a problem of the vibration of functionally graded conical shells with mixed boundary conditions, *Composites Part B-Engineering*, 70, 122-130, 2015.

Sofiyev AH, Kuruoglu N. Dynamic instability of three-layered cylindrical shells containing an FGM interlayer, *Thin Walled Structures* 93:10-21, 2015.

Sofiyev AH, Kuruoglu N, On the solution of the buckling problem of functionally graded truncated conical shells with mixed boundary conditions, *Composite Structures*, 123, 282-291, 2015.

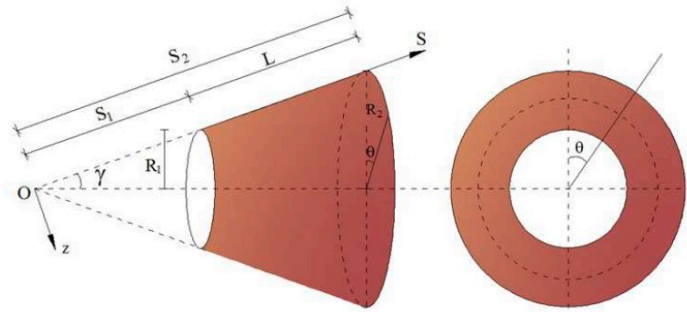


FIG. 1. The geometry of heterogeneous orthotropic truncated conical shell and notations.

From: Sofiyev AH, Huseynov SE, Kuruoglu N, Influence of mixed boundary conditions and heterogeneity on the vibration behavior of orthotropic truncated conical shells, *Archives of Mechanics*, 67, 331-348, 2015

Sofiyev AH, Kuruoglu N, Combined effects of heterogeneity and non-linearity on the critical time parameters of orthotropic conical shells, *Composite Structures*, 130, 163-173, 2015.

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Sofiyev A.H., Kuruoglu N., Parametric instability of shear deformable sandwich cylindrical shells containing an FGM core under static and time dependent periodic axial loads. *International Journal of Mechanical Sciences*, 101-102, 114-123, 2015.

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Najafov AM, Sofiyev AH, Kuruoglu N, Vibration analysis of nonhomogeneous orthotropic cylindrical shells including combined effect of shear deformation and rotary inertia. *Meccanica*, 49, 2491-2502, 2014.

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Sofiyev AH, Schnack E, Hacıyev VC, Kuruoglu N, Effect of the two-parameter elastic foundation on the critical parameters of non-homogeneous orthotropic shells, *International Journal of Structural Stability and Dynamics*, 12, 24 pages, 2012.

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Alizada AN, Sofiyev AH, Kuruoglu N, Stress analysis of a substrate coated by nanomaterials with vacancies subjected to uniform extension load, *Acta Mechanica*, 223, 1371-1383, 2012.

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