Professor Abdulla H. Sofiyev

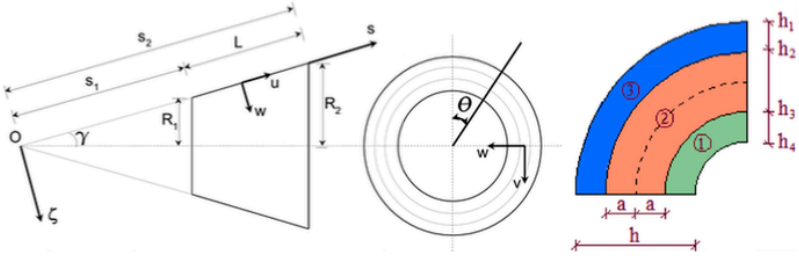

Fig. 1. The cross-section of three-layered conical shell with a FG core and nomenclature.

From: A.H. Sofiyev, et al, "Non-linear stability of conical shell structures including a functionally graded core", Acta Physica Polonica A, Vol. 125, No. 2, 2014

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Selected Publications:

- 1 Sofiyev, AH, Hui D , Haciyev VC , Erdem H , Yuan GQ , Schnack E , Gulda V The nonlinear vibration of orthotropic functionally graded cylindrical shells surrounded by an elastic foundation within first order shear deformation theory. Composites Part B Engineering, 116,170-185,2017

- 2 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
- 3 Sofiyev AH, Zerin Z, Kuruoglu N. Thermoelastic buckling of FGM conical shells under non-linear temperature rise in the framework of the shear deformation theory. Composites Part B Engineering, 108, 279-290, 2017
- 4 Sofiyev AH, Karaca Z, Zerin Z. Non-linear vibration of composite orthotropic cylindrical shells on the non-linear elastic foundations within the shear deformation theory. Composite Structures 159,53-62, 2017
- 5 Sofiyev AH, Osmancelebioglu E. The free vibration of sandwich truncated conical shells containing functionally graded layers within the shear deformation theory. Composites Part B-Engineering 120,197-211, 2017
- 6 Sofiyev AH, Pancar EB. The effect of heterogeneity on the parametric instability of axially excited orthotropic conical shells. Thin-Walled Structures 115: 240-246, 2017
- 7 Sofiyev AH. The stability analysis of shear deformable FGM sandwich conical shells under the axial load. Composite structures 176: 803-811, 2017
- 8 Sofiyev AH. Buckling of heterogeneous orthotropic composite conical shells under external pressures within the shear deformation theory, Composites Part B-Engineering 84: 175-187, 2016.
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