

1. Karimiasl M., Ebrahimi F. Large amplitude vibration of viscoelastically damped multiscale composite doubly curved sandwich shell with flexible core and MR layers. *Thin-Walled Structures*. 2019. V.144. 106128. <https://doi.org/10.1016/j.tws.2019.04.020>
2. Karimiasla M., Ebrahimia F., Maheshb V. Nonlinear forced vibration of smart multiscale sandwich composite doubly curved porous shell. *Thin-Walled Structures*. 2019. V.143. 106152. <https://doi.org/10.1016/j.tws.2019.04.044>
3. Cong P. H., Khanh N. D., Khoa N. D., Duc N. D. New approach to investigate nonlinear dynamic response of sandwich auxetic double curves shallow shells using TSDT. *Composite Structures*. 2018. V.185. 455–465. <https://doi.org/10.1016/j.compstruct.2017.11.047>
4. Yadav A., Amabili M., Panda S. K., Dey T., Kumar R. Forced nonlinear vibrations of circular cylindrical sandwich shells with cellular core using higher-order shear and thickness deformation theory. *Journal of Sound and Vibration*. 2021. V. 510. 116283. <https://doi.org/10.1016/j.jsv.2021.116283>
5. Van Quyen N., Thanh N. V., Quan T. Q., Duc N. D. Nonlinear forced vibration of sandwich cylindrical panel with negative Poisson's ratio auxetic honeycombs core and CNTRC face sheets. *Thin-Walled Structures*. 2021. V. 162. 107571. <https://doi.org/10.1016/j.tws.2021.107571>
6. Zhang Y., Li Y. Nonlinear dynamic analysis of a double curvature honeycomb sandwich shell with simply supported boundaries by the homotopy analysis method. *Composite Structures*. 2019. V. 221. 110884. <https://doi.org/10.1016/j.compstruct.2019.04.056>
7. Naidu N. V. S., Sinha P. K. Nonlinear free vibration analysis of laminated composite shells in hygrothermal environments. *Composite Structures*. 2007. 77. P. 475–483. <https://doi.org/10.1016/j.compstruct.2005.08.002>
8. Li C., Shen H.-S., Wang H., Yu Z. Large amplitude vibration of sandwich plates with functionally graded auxetic 3D lattice core. *International Journal of Mechanical Sciences*. 2020. V. 174. 105472. <https://doi.org/10.1016/j.ijmecsci.2020.105472>
9. , 1991. 176 .
10. , 2017. 492 .
11. , 2021. 2. . 100–106. <https://doi.org/10.15407/itm2021.02.100>
12. Catapano A., Montemurro M. A multi-scale approach for the optimum design of sandwich plates with honeycomb core. Part I: homogenisation of core properties. *Comp. Struct*. 2014. V. 118. P. 664–676. <https://doi.org/10.1016/j.compstruct.2014.07.057>

13. *Grediac M.* A finite element study of the transverse shear in honeycomb cores. *Int. J. of Solids and Struc.* 1993. V. 30. P. 1777–1788. [https://doi.org/10.1016/0020-7683\(93\)90233-W](https://doi.org/10.1016/0020-7683(93)90233-W)
14. , 1948. 211 c.
15. *Bakhtiari M., Lakis A. A., Kerboua Y.* Nonlinear supersonic flutter of truncated conical shells. *Journal of Mechanical Science and Technology.* 2020. V. 34 (4). P. 1375–1388. <https://doi.org/10.1007/s12206-020-0301-6>
16. *Meirovitch L.* *Fundamentals of Vibrations.* Mc Graw Hill. 2001. 826 p.
17. *Amabili M.* *Nonlinear Mechanics of Shells and Plates in Composite, Soft and Biological Materials:* Cambridge University Press; 2018. <https://doi.org/10.1017/9781316422892>
18. ”, 2010. 704 . . . 1. , , ,
19. FDM . 2021. 1. . 92–100. <https://doi.org/10.15407/itm2021.01.092>

26.01.2022,
21.06.2022