



Professor Abbas Heydari

See:

https://www.researchgate.net/profile/Abbas_Heydari4

Structural Engineering
Islamic Azad University, Ardabil, Iran

Formerly:

Sharif University of Technology, Tehran, Iran

Selected Publications:

Heydari, A. and Kazemi, M.T. (2009), "Elasto-plastic analysis of thick-walled FG reservoirs subjected to internal pressure", *Int. J. Adv. Des. Manufact. Technol.*, 3(1), 11-18.

Heydari, A. (2011), "Buckling of functionally graded beams with rectangular and annular sections subjected to axial compression", *Int. J. Adv. Des. Manufact. Technol.*, 5(1), 25-31.

Heydari, A. (2013), "Analytical solutions for buckling of functionally graded circular plates under uniform radial compression using Bessel function", *Int. J. Adv. Des. Manufact. Technol.*, 6(4), 41-47.

Heydari, A. (2015), "Spreading of plastic zones in functionally graded spherical tanks subjected to internal pressure and temperature gradient combinations", *Iran. J. Mech. Eng. Trans. ISME*, 16(2), 5-25.

Heydari, A. and Kazemi, M.T. (2015), "Thermo-elasto-plastic analysis of functionally graded spherical reservoirs subjected to temperature gradient", *Proceedings of the 10th International Congress on Civil Engineering*, University of Tabriz, Iran.

Heydari, A. (2017), "A new scheme for buckling analysis of bidirectional functionally graded Euler beam having arbitrary thickness variation rested on Hetenyi elastic foundation", *Modar. Mech. Eng.*, 17(1), 47-55.

Heydari, A., Jalali, A. and Nemati, A. (2017), "Buckling analysis of circular functionally graded plate under uniform radial compression including shear deformation with linear and quadratic thickness variation on the Pasternak elastic foundation", *Appl. Math. Modell.*, 41, 494-507.

Heydari, A. and Shariati, M. (2018), "Buckling analysis of tapered BDFGM nano-beam under variable axial compression resting on elastic medium", *Struct. Eng. Mech.*, 66(6), 737-748.

Abbas Heydari, "Size-dependent damped vibration and buckling analyses of bidirectional functionally graded solid circular nano-plate with arbitrary thickness variation", *Structural Engineering and Mechanics*, Volume 68, Number 2, October 25 2018, pages 171-182

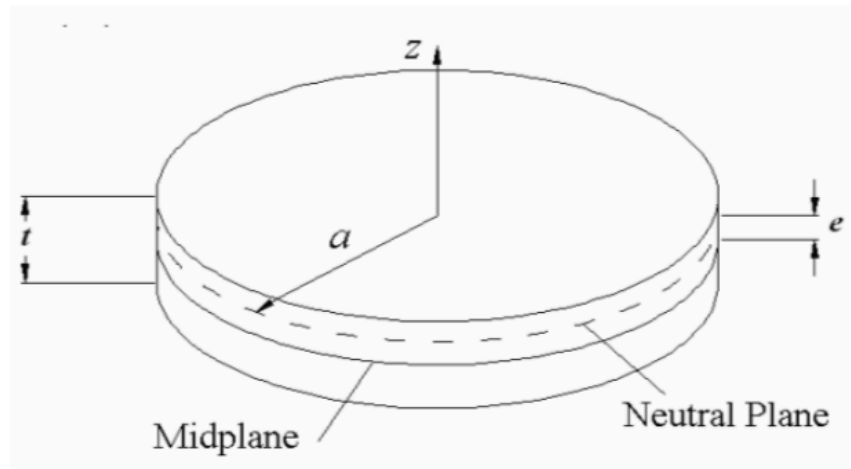


Fig. 1 Origin of z-coordinate

From: Heydari, A. (2013), "Analytical solutions for buckling of functionally graded circular plates under uniform radial compression using Bessel function", *Int. J. Adv. Des. Manufact. Technol.*, 6(4), 41-47.

A. Heydari, "Elastoplastic analysis of thick-walled vessels with isotropic strain hardening behavior using nonlinear compatibility relation", International Conference on Civil Engineering, Architecture and Urban Economy Development, November 2018

Abbas Heydari, "Buckling analysis of multistory axisymmetric functionally graded bending frames with semi-rigid connections", International Conference on Civil Engineering, Architecture and Urban Economy Development, November 2018

Abbas Heydari and Mostafa G. Ghadimi, "The effect of attached lumped mass position on the frequency reduction of the radially graded tube", 6th National Conference on Applied Research in Civil Engineering, Architecture and Urban Management, perhaps in Tehran, Iran, 2019

Abbas Heydari, "Elastic buckling analysis of multistory functionally graded sway bending frame via finite element method", Second International Conference on Innovation and Research in Engineering Science (ICIRES 2019), Tbilisi, Georgia

Abbas Heydari, "Elasto-plastic analysis of cylindrical vessel with arbitrary material gradation subjected to thermo-mechanical loading via DTM", Arabian Journal for Science and Engineering, May 2019, DOI 10.1007/s13369-019-03910-x