



Professor Dong Ho Choi

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Selected Publications:

- Choi, D.-H., Na, H.-S., & Kim, G.-N. (2009). Modification of moment equations in the CHBDC (2000) for soil-metal box structures. *International Journal of Steel Structures*, 9(4), 343–354.
- Thai, H.T., Choi, D.H.: A refined plate theory for functionally graded plates resting on elastic foundation. *Compos. Sci. Technol.* 71, 1850–1858 (2011)
- Thai, H. T., Choi, D. H., (2012). An efficient and simple refined theory for buckling analysis of functionally graded plates. *Applied Mathematical Modelling* 36:1008–1022.
- Thai, H.T. and Choi, D.H. (2012), “A refined shear deformation theory for free vibration of functionally graded plates on elastic foundation”, *Compos. B Eng.*, 43(5), 2335-2347.
- Thai H.T., Park M., Choi D.H.: A simple refined theory for bending, buckling, and vibration of thick plates resting on elastic foundation. *Int. J. Mech. Sci.* 73, 40–52 (2013)
- Thai, H.T., Choi, D.H.: Finite element formulation of various four unknown shear deformation theories for functionally graded plates. *Finite Elem. Anal. Des.* 75, 50–61 (2013)
- Thai, H. T. and Choi, D. H. [2013] “ Size-dependent functionally graded Kirchhoff and Mindlin plate models based on a modified couple stress theory,” *Composite Structures* 95, 142–153
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- Thai, H.T., Choi, D.H.: A simple first-order shear deformation theory for laminated composite plates. *Compos. Struct.* 106, 754–763 (2013)
- Thai, H.-T., Choi, D.-H.: Analytical solutions of refined plate theory for bending buckling and vibration analyses of thick plates. *Appl. Math. Model.* 37, 8310–8323 (2013)
- Thai, H.T., Choi, D.H.: Zeroth-order shear deformation theory for functionally graded plates resting on elastic foundation. *Int. J. Mech. Sci.* 78, 35–43 (2014)
- D. H. Kim, D. H. Choi, and H. S. Kim, “Design optimization of a carbon fiber reinforced composite automotive lower arm,” *Composites Part B: Engineering*, vol. 58, pp. 400–407, 2014.

- H.-T. Thai, D.-H. Choi Improved refined plate theory accounting for effect of thickness stretching in functionally graded plates, *Composites, Part B, Eng.*, 56 (2014), pp. 705-716
- Thai, H.T. and Choi, D.H. (2014), "Finite element formulation of a refined plate theory for laminated composite plates", *J. Compos. Mater.*, 48(28), 3521-3538
- Thai, H. T. and Choi, D. H. [2014] "Levy solution for free vibration analysis of functionally graded plates based on a refined plate theory," *Proceedings of Institution of Mechanical Engineers Part C: Journal of Mechanical Engineering Science* 18(6), 1813–1824.
- Park, M., & Choi, D.-H. (2018a). A simplified first-order shear deformation theory for bending, buckling and free vibration analyses of isotropic plates on elastic foundations. *KSCE Journal of Civil Engineering*, 22(4), 1235–1249.
- Park, M., & Choi, D.-H. (2018b). A two-variable first-order shear deformation theory considering in-plane rotation for bending, buckling and free vibration analyses of isotropic plates. *Applied Mathematical Modelling*, 61, 49–71.