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on shear deformation theories of composite laminates (which bear his name as the Reddy third-order theory and the Reddy layerwise theory), penalty finite element models of flows of viscous fluids, and finite element models of non-Newtonian fluids have been incorporated into commercial software packages ABAQUS, NISA and HyperXtrude (respectively).

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J. N. Reddy is a University Distinguished Professor and the Holder of the Oscar S. Wyatt Endowed Chair in the Department of Mechanical Engineering at Texas A&M University, College Station, Texas. Dr. Reddy is internationally known for his contributions to theoretical and applied mechanics and computational mechanics.

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**TAMU Mechanics**

Kim, Jinseok and Reddy, J. N. 2015. A general third-order theory of functionally graded plates with modified couple stress effect and the von Kármán nonlinearity: theory and finite element analysis. Acta Mechanica, Vol. 226, Issue. 9, p. 2973.

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J. N. Reddy, "Energy Principles and Variational Methods in Applied Mechanics," 2nd Edition, John Wiley, New York, 2002. - References - Scientific Research Publishing.

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J. N. Reddy, Mechanics of Laminated Composite Plates and Shells: Theory and Analysis, CRC Press, Second Edition, Boca Raton, FL, 2004. 7. J. N. Reddy, An Introduction to Nonlinear Finite Element Analysis, Oxford University Press, Oxford, UK, 2004. The computer problems FEM1D and FEM2D can be readily modified to solve new types of field problems.



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8.10(w) x 10.10(h) x 1.80(d) About the Author. J. N. Reddy, Ph.D. is an ISI Highly Cited Researcher and the author of over 650 journal papers and 21 books. He is a Life Fellow and ASME Medalist of the American Society of Mechanical Engineers (ASME), and a Fellow of all major professional societies of engineering.

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