

MECHANICAL VIBRATIONS (6TH EDITION)

BY SINGIRESU S. RAO



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About the Author

SINGIRESU S. RAO, PhD, is a professor in the School of Mechanical Engineering at Purdue University. He earned his doctorate from Case Western Reserve University and has extensive teaching and research experience at Purdue, San Diego State University, Indian Institute of Technology (Kanpur), and NASA Langley Research Center. Dr. Rao has published more than 125 technical papers in internationally reputed journals and more than 100 papers in conference proceedings in the areas of engineering optimization, reliability-based design, fuzzy systems, active control of structures, concurrent design, and vibration engineering. His previous books include *Optimization: Theory and Applications*, *The Finite Element Method in Engineering*, *Mechanical Vibrations*, and *Reliability-Based Design*. Dr. Rao has edited several conference proceedings and served as the Conference Chairman and Papers Review Chairman for the ASME Design Automation Committee and as an Associate Editor for the ASME Journal of Mechanisms, Transmissions, and Automation in Design. Currently, he is on the editorial boards of *Engineering Optimization*, *Reliability Engineering & System Safety*, and *Microelectronics and Reliability*.

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