Book Review


This book deals with effect of various complicating effects of the vibrations of structures. These additional effects are, for example, the effect of rotary inertia and shear force, effect of the axial load, generic nonlinearity, elastic foundation, optimal design etc. Authors state that their “intent is to provide information that is not available in current handbooks and to provide solutions for the eigenvalues and eigenfunctions.

Problems that engineers and researchers use for the advanced analysis of dynamical behavior of beams and arches”. They add: “The majority of the sources consulted have been published in the USA, Canada, England, Russia, Germany, Japan, Israel, and Netherlands over the past 40 years”.

Authors should be congratulated with the excellent accomplishment of their enormous task. This book will be an indispensable reference to anyone whoever deals with vibrations. It ought to be in the library of every self-respecting organization dealing with engineering.


Professor Karnovsky and Lebed: Continue your work; we all need you.

Professor Isaac Elishakoff
Department of Mechanical Engineering
Florida Atlantic University
Boca Raton, FL 33431-0991, USA
E-mail: elishako@fau.edu