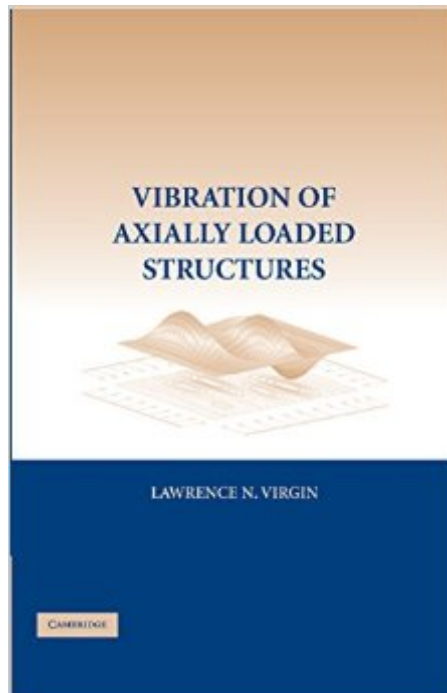


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# Vibration Of Axially-Loaded Structures



## Synopsis

This 2007 book concerns the vibration and the stability of slender structural components. The loss of stability of structures is an important aspect of structural mechanics and is presented here in terms of dynamic behavior. A variety of structural components are analyzed with a view to predicting their response to various (primarily axial) loading conditions. A number of different techniques are presented, with experimental verification from the laboratory. Practical applications are widespread, ranging from cables to space structures. The book presents methods by which the combined effects of vibration and buckling on various structures can be assessed. Vibrations and buckling are usually treated separately, but in this book their influence on each other is examined together, with examples when a combined approach is necessary. The avoidance of instability is the primary goal of this material.

## Book Information

File Size: 14593 KB

Print Length: 376 pages

Simultaneous Device Usage: Up to 4 simultaneous devices, per publisher limits

Publisher: Cambridge University Press; 1 edition (September 24, 2007)

Publication Date: September 24, 2007

Sold by: Digital Services LLC

Language: English

ASIN: B01DM26PI8

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,493,106 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #116

in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural

Dynamics #256 in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Dynamics

#1472 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural

## Customer Reviews

This book is the best book I have read on the combined stability and dynamics. Actually, the stability and dynamics are both eigen oriented problem, while people normally treat them separately. With

this book, you will get both theoretical and practical knowledge about the problem. I recommend to read that !!

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