**DESCRIPTION**

*Noise and Vibration Analysis* is a complete and practical guide that combines both signal processing and modal analysis theory with their practical application in noise and vibration analysis. It provides an invaluable, integrated guide for practicing engineers as well as a suitable introduction for students new to the topic of noise and vibration. Taking a practical learning approach, Brandt includes exercises that allow the content to be developed in an academic course framework or as supplementary material for private and further study.

- Addresses the theory and application of signal analysis procedures as they are applied in modern instruments and software for noise and vibration analysis
- Features numerous line diagrams and illustrations
- Accompanied by a web site at www.wiley.com/go/brandt with numerous MATLAB tools and examples.

*Noise and Vibration Analysis* provides an excellent resource for researchers and engineers from automotive, aerospace, mechanical, or electronics industries who work with experimental or analytical vibration analysis and/or acoustics. It will also appeal to graduate students enrolled in vibration analysis, experimental structural dynamics, or applied signal analysis courses.
ABOUT THE AUTHOR

Anders Brandt is an independent consultant based in Sweden. He has 20 years of experience in noise and vibration analysis with universities and industry. Brandt received an MSc degree in Electrical Engineering from Chalmers University of Technology, Göteborg, Sweden, in 1986, and a Licentiate of Engineering Degree (Dr. Ing.) in Medical Electronics, from the same university in 1989. In 1996 Brandt was a co-founder of Axiom EduTech, a company offering education and software for vibration analysis worldwide. Brandt is a well-known and appreciated teacher of applied signal analysis and vibration analysis. He also has many years' experience with different commercial measurement systems for vibration analysis and modal analysis.

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