



Engineering Noise Control: Theory and Practice, Fourth Edition

By David A. Bies, Colin H. Hansen

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The practice of engineering noise control demands a solid understanding of the fundamentals of acoustics, the practical application of current noise control technology and the underlying theoretical concepts. This fully revised and updated fourth edition provides a comprehensive explanation of these key areas clearly, yet without oversimplification. Written by experts in their field, the practical focus echoes advances in the discipline, reflected in the fourth edition's new material, including:

- completely updated coverage of sound transmission loss, mufflers and exhaust stack directivity
- a new chapter on practical numerical acoustics
- thorough explanation of the latest instruments for measurements and analysis.

Essential reading for advanced students or those already well versed in the art and science of noise control, this distinctive text can be used to solve real world problems encountered by noise and vibration consultants as well as engineers and occupational hygienists.

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Editorial Review

Review

If you don't already have Bies and Hansen and you work in the field of noise control then this should be high on your list of purchases.

?*Noise Control Engineering Journal*

About the Author

David A. Bies is now retired having served as a Reader and then Visiting Research Fellow at the University of Adelaide's School of Mechanical Engineering. He is an expert and widely published acoustics physicist who has also worked as a senior consultant in industry.

Colin H. Hansen is Professor and Head of the School of Mechanical Engineering at the University of Adelaide. With a wealth of experience in consulting, research and teaching in acoustics, he has authored numerous books, journal articles and conference proceedings on the topic.

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