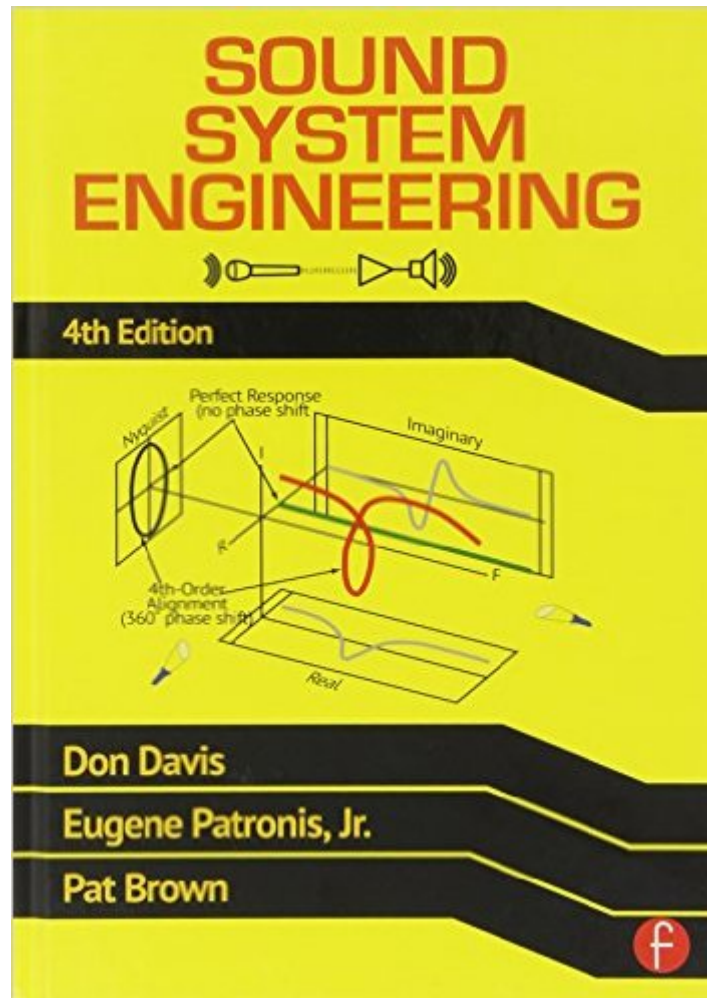


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# Sound System Engineering



## Synopsis

Long considered one of the key books on the well-informed audio engineer's shelf, *Sound System Engineering* provides an accurate, complete, and concise tool for all those involved in designing, implementing, and testing sound reinforcement systems. This new fourth edition includes eight new chapters leading the reader through both cutting-edge topics—e.g., IBM's proposed thought-controlled sound system—and solid basics, such as loudspeaker specifications, wave equations, and digital audio. Topics covered include: Psychoacoustics and how the brain processes sound Digital theory Mathematics for audio systems Using the decibel Interfacing electrical and acoustical systems Audio and acoustic measurements Large room and small room acoustics Designing for acoustic gain Designing for speech intelligibility Wave equations Microphones Loudspeakers, loudspeaker arrays, and loudspeaker directivity Power ratings for amplifiers and loudspeakers Computer-aided system design Signal delay, signal synchronization, and signal processing Sound system equalization Packed with numerous illustrations and useful appendices, this is a concentrated capsule of industry standards and knowledge that spans the complete range of sound systems, from the simplest all-analog paging systems to the largest multi-purpose digital systems.

## Book Information

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## Customer Reviews

This is a great reference book with practical information along with formulas & technical information. I made the mistake of buying the Kindle edition first, but it just reinforced that Kindle editions of

technical books that have charts, formulas, and cross references that you need to refer back and forth to are not a good idea. I then bought the hardbound edition and I love it. If you're serious about using this book to learn from and keep as a reference, then buy the hardbound version, not the Kindle version.

Seems to be very nice and different style to approach to matter. More concrete examples of practical things and calculations. Sometimes confusing with mislabeling of figures and stuff. Very good overall.

A very comprehensive book.

Excellent resource.

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