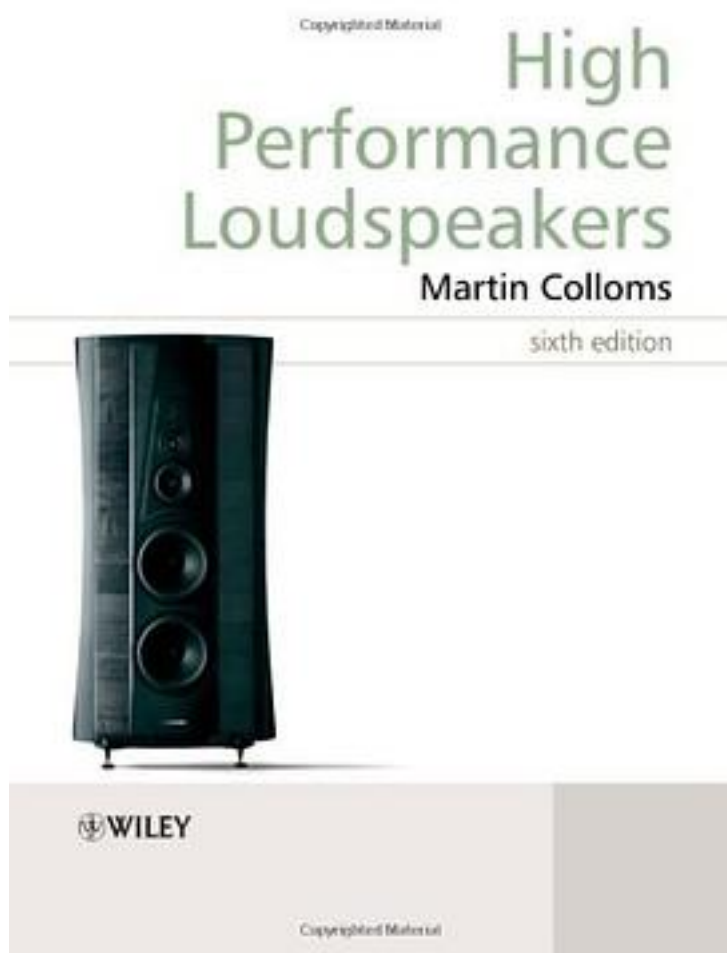


# High Performance Loudspeakers



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出版者:John Wiley & Sons Inc

出版时间:2005-11

装帧:HRD

isbn:9780470094303

"High Performance Loudspeakers, Sixth Edition" is a fully revised and updated version of the highly successful guide to the design and specifications of high quality

loudspeakers and loudspeaker systems. Each chapter has been substantially revised reflecting the many changes in the technology of loudspeakers. These revisions take the form of much new research and accompanying illustrations, with a radically new theoretical section, allied to in depth coverage of the most important advances in the art of loudspeaker design. By clearly and practically analysing these many developments the authors have produced an authoritative loudspeaker designer's bible. Key features of the Sixth Edition include radically new chapter on acoustic theory, developments in home theatre and surround systems, in speaker system design. Also crossover networks with new digital synthesis methods, and extensive reporting on CAD software. New measurement systems and techniques are complemented by recent psychoacoustic research data. Expanded material on sub sat design, 2pi and boundary speaker design, further work on optimum low frequency synthesis for improved group delay. This book features new materials technology including ceramic and diamond diaphragms, plus first publication of the theory of the BMR, a fascinating hybrid driver technology employing a synthesis of bending wave and piston action and which can approach the directivity of a point source. It includes a glossary; a valuable view of electroacoustic terms and definitions to guide all readers. Acknowledged industry wide as the definitive work on speaker design and analysis, this book is essential reading for audio engineers, speaker designers, equipment designers and students of acoustic engineering, electronics and electro acoustics. It will also prove invaluable to students of electronics, broadcasting and recording techniques, and be of interest to amateur loudspeaker builders, authors and journalists in audio.

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评论

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## 书评

不像有些人理论和实践脱节，作者能文能武，既是音响评论家，又是音响设计师。有志于音响事业的人真该看看马丁先生的书。我听过马丁设计的aura va100功放。区区66瓦特的小功放，无论音质、动态和速度都比标称100瓦的marantz好多了。人家随便玩票的评论家就超过...

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