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BAFFLE [1,2]; 7.9 ACOUSTICAL CIRCUIT; 9.9 INFINITE PARABOLIC HORN [11]; 10.9 TOTAL STEADY SOUND-PRESSURE LEVEL; 12.5 RADIATION FROM A POINT SOURCE ON A SPHERE; 12.9 RADIATION FROM AN OSCILLATING CONVEX DOME IN AN INFINITE BAFFLE; 13.6 REFLECTION OF A POINT SOURCE FROM A PLANE; 13.9 RADIATION FROM A RESILIENT DISK IN AN INFINITE BAFFLE [19]; 14.7 WORKED EXAMPLE NO. 1: LOUDSPEAKER IN AN ENCLOSURE WITH A BASS-REFLEX PORT; 12.7 RADIATION FROM A RECTANGULAR CAP IN A SPHERE; 14.9 FAR-FIELD ON-AXIS PRESSURE; Index

Sommario/riassunto

Acoustics: Sound Fields and Transducers is a thoroughly updated version of Leo Beranek's classic 1954 book that retains and expands on the original's detailed acoustical fundamentals while adding practical formulas and simulation methods. Serving both as a text for students in engineering departments and as a reference for practicing engineers, this book focuses on electroacoustics, analyzing the behavior of transducers with the aid of electro-mechano-acoustical circuits. Assuming knowledge of electrical circuit theory, it starts by guiding readers through the basics of sound
