
Contents

1	Fundamentals	1
	M. Möser and G. Müller	
2	Acoustic Measurements	23
	M. Vorländer	
3	Numerical Acoustics	53
	Björn A.T. Petersson	
4	The Effects of Sound on Humans	69
	C. Maschke and U. Widmann	
5	Noise Emission Assessment	87
	G. Hübner and E. Schorer	
6	Sound Propagation Outdoors	125
	L. Schreiber and T. Beckenbauer	
7	Sound Insulation in Buildings	137
	K. Gösele and E. Schröder	
8	Sound Absorbers	165
	H.V. Fuchs and M. Möser	
9	Structure-Borne Sound, Insulation and Damping	215
	G. Müller	
10	Room Acoustics	239
	Heinrich Kuttruff and Eckard Mommertz	
11	Silencers	269
	U. Kurze and E. Riedel	
12	Active Control of Sound and Vibrations	301
	Joachim Scheuren	
13	Sound Reinforcement	335
	Harald Frisch	
14	Sources of Sound	353
	Ulrich Kurze	
15	Road Traffic Noise	367
	Thomas Beckenbauer	

16	Noise and Vibration from Railroad Traffic	393
	Rüdiger G. Wettschureck, Günther Hauck, Rolf J. Diehl, and Ludger Willenbrink	
17	Aircraft Noise	489
	Ulf Michel, Werner Dobrzynski, Wolf Splettstoesser, Jan Delfs, Ullrich Isermann, and Frank Obermeier	
18	Construction Noise	539
	Achim Böhm, Olaf-Tobias Strachotta, and Volker Irmer	
19	Urban Noise Protection	557
	Michael Jäcker-Cüppers	
20	Flow Noise	577
	K.R. Fritz, C.-C. Hantschk, S. Heim, H. Nürnberger, E. Schorer, B. Stüber, and D. Vortmeyer	
21	Ultrasound	637
	H. Kuttruff	
22	Vibrations	651
	Johannes Guggenberger and Gerhard Müller	
	Index	691