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Sommario/riassunto

Aeroacoustics of Low Mach Number Flows, Second Edition, by Stewart Glegg and William Devenport, delves into the principles and methodologies of aeroacoustics, focusing on flows with low Mach numbers. The book provides a comprehensive exploration of the fundamental equations of fluid motion, linear acoustics, and the generation of sound by various sources. It discusses advanced topics such as Lighthill's acoustic analogy, the Ffowcs Williams and Hawkings equation, and the noise generated by propellers and rotors. The text is designed for researchers and practitioners in the field of aeroacoustics, offering detailed theoretical insights and practical measurement techniques. This edition emphasizes the latest advancements in the field and includes extensive references for further study.