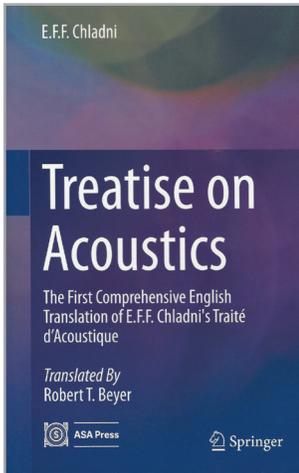


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Treatise on Acoustics

The First Comprehensive English Translation of E.F.F. Chladni's Traité d'Acoustique



Author: E.F.F. Chladni
ISBN: 9783319203614,
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This is the first comprehensive translation of the expanded French version of E.F.F. Chladni's *Traité d'Acoustique*, using Chladni's 1802 *Die Akustik* for reference and clarification. Chladni's experiments and observations with sound and vibrations profoundly influenced the development of the field of Acoustics. The famous Chladni diagrams along with other observations are contained in *Die Akustik*, published in German in 1802 and *Traité d'Acoustique*, a greatly expanded version, published in French in 1809. The present translation was undertaken by Robert T. Beyer, PhD (1920-2008), noted acoustician, Professor of Physics at Brown University, and Gold Medal recipient of the Acoustical Society of America. Along with many other projects completed over the course of his career, Dr. Beyer translated Von Neumann's seminal work, *Mathematical Foundations of Quantum Mechanics* from the original German, spent 30 years translating Russian physics treatises and journals, served as editor of the English translation of the *Soviet Journal of Experimental and Theoretical Physics*, and also authored *Sounds of our Times: Two Hundred Years of Acoustics*.

- ▶ Represents the first comprehensive English translation of a seminal work in acoustics
- ▶ Translated by a prominent acoustician, and former Gold Medal recipient of the Acoustical Society of America
- ▶ In addition to the classic experiments with glass plates and violin bows, covers topics in music, architecture, and the anatomy of human and animal hearing
- ▶ Appeals to a wide audience in physics, acoustics, and history of science

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