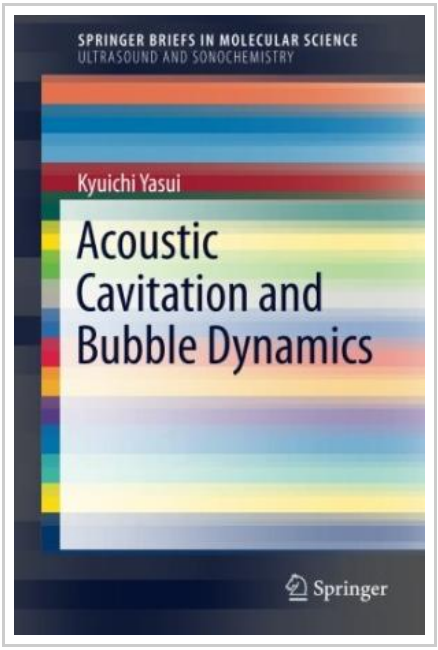

Acoustic Cavitation and Bubble Dynamics

By Kyuichi Yasui

Springer-Verlag Gmbh Nov 2017, 2017. Taschenbuch. Condition: Neu. Neuware - This brief explains in detail fundamental concepts in acoustic cavitation and bubble dynamics, and describes derivations of the fundamental equations of bubble dynamics in order to support those readers just beginning research in this field. Further, it provides an in-depth understanding of the physical basis of the phenomena. With regard to sonochemistry, the brief presents the results of numerical simulations of chemical reactions inside a bubble under ultrasound, especially for a single-bubble system and including unsolved problems. Written so as to be accessible both with and without prior knowledge of fundamental fluid dynamics, the brief offers a valuable resource for students and researchers alike, especially those who are unfamiliar with this field. A grasp of fundamental undergraduate mathematics such as partial derivative and fundamental integration is advantageous; however, even without any background in mathematics, readers can skip the e quations and still understand the fundamental physics of the phenomena using the book's wealth of illustrations and figures. As such, it is also suitable as an introduction to the field. 124 pp. Englisch.

Reviews

This pdf is wonderful. It is definitely simplified but excitement from the 50 percent in the ebook. You wont sense monotony at at any time of your time (that's what catalogues are for relating to should you request me).

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-- ***Mr. Stephan McKenzie***