

compendium of example models representing more complex fluid dynamic phenomena.

As a description of the state-of-the-art, the book is an excellent reference, as illustrated, for example, by the high degree of capability to model the complex dynamics of bubbles in ideal situations in which the bubble is either large or small, inter-bubble interactions are weak, and the underlying flow is at most a weak shear. The book lightly treats real fluid effects on bubble dynamics, such as the effects of bubble clusters on the continuous phase, the interactions of bubbles with the shear layer in practical cases such as cavitation inception where the shear layer is smaller than the bubble size, and the effects of surfactants (and rheology).

The editors discuss in the preface the need to study two phase flows in applications. Does the book contribute to

satisfying this need? The answer is "not very well." But that is a limitation from the research, and not from the book. A tying-together of the papers in the context of what science is needed based on the applications on the one hand, and the discoveries described in this book on the other hand, would provide important added value to the book.

This is a book that can be, and deserves to be, studied. It is a book that invites rereading, especially as the understanding of the separate papers contributes synergistically to an understanding of the comprehensive subject of bubble dynamics.

Edwin P. Rood
Office of Naval Research

Book Review Errata

Shock Wave Engine Design

Helmut E. Weber, J. Wiley, New York, 1994, 223 pp., \$ 59.95

In the review of *Shock Wave Engine Design* in the May 1995 issue of *AIAA Journal*, Helmut E. Weber was incorrectly identified; he is the book's author.

AIAA regrets this error.