

Book Review

Annual review of fluid mechanics, Volume 2, 1970, edited by M. van Dyke, W. G. Vincenti and J. V. Wehausen. Annual Reviews, Inc., Palo Alto, Calif., USA. 461 pages, price \$10,50.

This is the second volume of the new series of Annual Reviews of Fluid Mechanics which started in 1969. The high level and rich variety demonstrated by Volume 1 is maintained in this second volume. Especially it is to be noted that all contributions are very up-to-date: nearly all lists of references contain some papers published in 1969 and some even refer to papers published in 1970. All contributions have the character of review papers and have been written by experts in the respective fields of fluid mechanics.

The contents are:

The development of boundary layer theory in the USSR, by L. G. Loitsianskii,
Critique of numerical modeling of fluid-mechanics phenomena, by H. W. Emmons,
The analogy between rotating and stratified fluids, by G. Veronis,
Applications of slender-body theory in ship hydrodynamics, J. N. Newman,
The turbulent boundary layer, by L. S. G. Kovasznay,
Nonlinear wave propagation in fluids, by W. Lick,
Rheology of two-phase systems, by H. Benner,
Flow in porous media, by J. R. Philip,
Tides, by M. Hendershott and W. Munk,
The atmospheric boundary layer, by A. S. Monin,
Models for weather prediction, by N. A. Philips,
Boundary layers in ocean circulation models, by A. R. Robinson,
Solar-wind flow past objects in the solar system, by J. R. Spreiter and A. Y. Alksne,
Vibrational relaxation in gas-dynamic flows, by J. W. Rich and C. E. Treanor,
Dynamics of dusty gases, F. E. Marble.

This series of Annual Reviews is of indispensable value for all working in fluid mechanics.

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