

# 1980 Journal of Hydraulics Index

*Note:* Beginning this year, each of the journals published by AIAA will contain its own Index in the final issue of the year. In addition, a Combined Index, referencing all of the papers published during 1980 in the six AIAA journals and the *Progress in Astronautics and Aeronautics* books, will be offered for sale early in 1981 as the start of a new service that not only will combine the several indexes but also will cumulate them from year to year.

## How to Use the Index

In the Subject Index, pages 127-128, each technical paper is listed under a maximum of three appropriate headings. Note the number in boldface type following each paper title, and use that number to locate the paper in the Chronological Index. The Author Index, page 128, lists all authors associated with a given technical paper. The locating numbers are identical to those in the Subject Index. The Chronological Index, page 128, lists all papers by their unique code numbers. This listing contains titles, authors and their affiliations, and volume, issue number, and page where the paper appeared. It also gives the AIAA paper number, if any, on which the article was based, as well as the "CP" or conference volume number if the paper was published in a bound collection of meetings papers. Comments, Replies, and Errata are listed directly beneath the paper to which they refer. If the paper to which they refer was published prior to 1980, that paper also will appear in both the Subject and Chronological Indexes. Authors of Comments also are listed in the Author Index.

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**H80-002 Comparative Performance Study of Paddle- and Wedge-Type Wave Generators.** M. H. Patel and P. A. Ionnaou, *University College London* (JH 14, 1, p. 5) Article

**H80-003 Response of an Inflatable Offshore Platform to Surface Wave Excitations.** V. J. Modi, *The University of British Columbia*; and A. K. Misra, *McGill University* (JH 14, 1, p. 10) Article based on AIAA Paper 79-0833 CP794

**H80-004 Multiple Body Six Degrees of Freedom Potential Flow Pressure Equation.** O. Burgdorf Jr., *Westinghouse Electric Corporation* (JH 14, 1, p. 19) Article

**H80-005 Collapse of Turbulent Wakes in Stably Stratified Media.** Samuel Hassid, *The Pennsylvania State University* (JH 14, 1, p. 25) Article

**H80-006 Re-Evaluation of the Planing Hull Form.** Daniel Savitsky, *Stevens Institute of Technology*; and Jerry L. Gore, *David W. Taylor Naval Ship Research and Development Center* (JH 14, 2, p. 34) Survey Paper based on AIAA Paper 79-2028 CP7912

**H80-007 Flow Control of Centrifugal Jet-Flap Blowers for Air-Cushion Vehicles.** Fabio R. Goldschmied, *Westinghouse Electric Corporation* (JH 14, 2, p. 48) Article based on AIAA Paper 79-2006 CP7912

**H80-008 Foilborne Hydrodynamic Performance of Jetfoil.** A. E. Noreen, P. R. Gill and W. M. Feifel, *Boeing Marine Systems* (JH 14, 2, p. 56) Article based on AIAA Paper 79-2004 CP7912

**H80-009 Impact of a Rigid Plate on a Half-Strip of Incompressible Liquid.** D. S. Tselnik, *Stevens Institute of Technology* (JH 14, 2, p. 63) Engineering Note

**H80-010 Historical Review of WIG Vehicles.** Richard G. Ollila, *Battelle's Columbus Laboratories* (JH 14, 3, p. 65) Survey Paper based on AIAA Paper 79-2033 CP7912

**H80-011 Steady-State Configuration of an Underwater Suspended Bipod Cable System.** J. J. Mariano, *Bell Telephone Laboratories* (JH 14, 3, p. 77) Article

**H80-012 Predicting the Effects of Surface Roughness on Laminar-Turbulent Transition for Axisymmetric Bodies.** M. J. Casarella, *Catholic University*; and J. M. Niedzwecki, *Texas A&M University* (JH 14, 3, p. 83) Article

**H80-013 Inviscid Parallel Flow Stability with Mean Profile Distortion.** Wilson C. Chin, *Massachusetts Institute of Technology* (JH 14, 3, p. 91) Engineering Note

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**H80-016 Potential Hydroelastic Instability of Profiled Underwater Structures.** L. E. Ericsson and J. P. Reding, *Lockheed Missiles & Space Company, Incorporated* (JH 14, 4, p. 97) Article based on AIAA Paper 79-2002

**H80-017 Hydrodynamic Coefficients of an Oscillating Ellipsoid Moving in the Free Surface.** R. B. Inglis and W. G. Price, *University College* (JH 14, 4, p. 105) Article

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**H80-020 Wedge Effect on Planing Hulls.** Chun-Tsung Wang, *National Taiwan University* (JH 14, 4, p. 122) Engineering Note

**H80-021 Spread of Oil Slicks on a Natural Body of Water.** T. R. Sundaram, *T. S. Associates, Incorporated* (JH 14, 4, p. 124) Engineering Note