

Rotating Hydraulic Control

The Woods Hole Oceanographic Institution

Program of Summer Study in Geophysical Fluid Dynamics

June 16 to August 22, 1997

The thirty-ninth year (1997) of the GFD summer program at WHOI has as its central theme processes that control flow in rotating, usually stratified, fluid as the fluid encounters large rates of convergence or divergence produced by topography or other means. The subject has numerous applications in oceanography, meteorology, geophysics and astrophysics.

The program will bring together researchers with backgrounds in theory, experimentation and observation who will present a broad view of the current state of knowledge about critical states in rotating fluids, criteria for their formation, and their use in the determination of upstream conditions. The aim is to provide students and other interested researchers with an up-to-date review of the subject and an exposure to applications in several disciplines in order to stimulate further research in this area. The main components of the summer program will be a series of principal lectures, a set of supplementary research seminars, and research projects conducted by the student fellows with the active support of the staff. In addition to their research projects, the fellows will assist in preparing notes summarizing the principal lectures.

Up to ten pre- or post-doctoral fellowships are available with stipends of \$3,900 for the ten-week period and an allowance for travel expenses within the United States. Fellows are expected to be in residence for the full ten weeks of the program. The final date for fellowship applications is February 28th, 1997. Awards will be announced by April 15th, 1997. We particularly encourage applications from women and members of underrepresented racial and ethnic groups. Applications may be obtained from:

Academic Programs Office, Clark, MS #31

Fellowship Committee

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