

ANNOUNCEMENT

INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELS FOR ENVIRONMENTAL PROBLEMS

University of Southampton
8-12 September 1975

IN RECENT years analysts have worked on an increasing variety of complex computer engineering models, partly because simulation techniques are replacing and exceeding the potentialities of physical models.

It now seems timely to hold a Conference to review mathematical modelling techniques, showing their applications and determining their predominant trends. The Conference will be concerned with the application of these techniques to environmental problems of relationship between engineering and the environment in such fields as hydraulics, energy resources, ecology, pollution, water resources, etc. Both the modelling of the problems themselves as well as the different techniques involved will be discussed. There will be special sessions on optimization, computer techniques and stochastic methods. In addition the important topics of obtaining the appropriate data and testing the models will be examined.

Papers in English are invited on each of the above topics. Intending authors must submit a summary of no more than

300 words to the Conference organizers, before 1 November 1974. Notification of acceptance will be given by January 1975, and final manuscripts must be received by 1 April 1975. Papers and discussions where appropriate, will be published in book form.

Accommodation and meals will be provided at the Halls of Residence of the University.

Further information can be obtained from:

Dr. C. A. Brebbia,
University of Southampton,
Southampton SO9 5NH,
U.K.

Professor J. J. Connor,
M.I.T.,
Cambridge,
Massachusetts, 02139
U.S.A.

ERRATUM

H. K. YANG and C. P. YU, Combined forced and free convection MHD channel flow in entrance region, *Int. J. Heat Mass Transfer* 17(6), 681-691 (1974).

On p. 684, equations (19), (20) and (24) should read:

$$\left[\frac{N}{2} u_{i',j} - N^2 \right] v_{i+1,j} + \left[2N^2 + \frac{v_{i',j}}{\Delta y} + M^2 \right] v_{i,j} - \left[\frac{N}{2} u_{i',j} + N^2 \right] v_{i-1,j} + \left[\frac{1}{\Delta y} \right] P_j = \left[\frac{v_{i',j} v_{i,j-1}}{\Delta y} + \frac{P_{j-1}}{\Delta y} + \frac{Gr}{Re} \theta_{i',j} + M^2 e \right] \quad (19)$$

$$\left[\frac{N}{2} u_{i',j} - \frac{N^2}{Pr} \right] \theta_{i+1,j} + \left[\frac{v_{i',j}}{\Delta y} + \frac{2N^2}{Pr} \right] \theta_{i,j} - \left[\frac{N}{2} u_{i',j} + \frac{N^2}{Pr} \right] \theta_{i-1,j} = \left[\frac{1}{\Delta y} v_{i',j} \theta_{i,j-1} + M^2 E_c (e - v_{i',j})^2 + \frac{E_c N^2}{4} (v_{i+1,j} - v_{i-1,j})^2 \right] \quad (20)$$

$$u_{i,1} = 0, \quad \theta_{i,1} = 0, \quad p_1 = 0 \quad (24)$$

where the prime "' sign indicates the previous iteration value.