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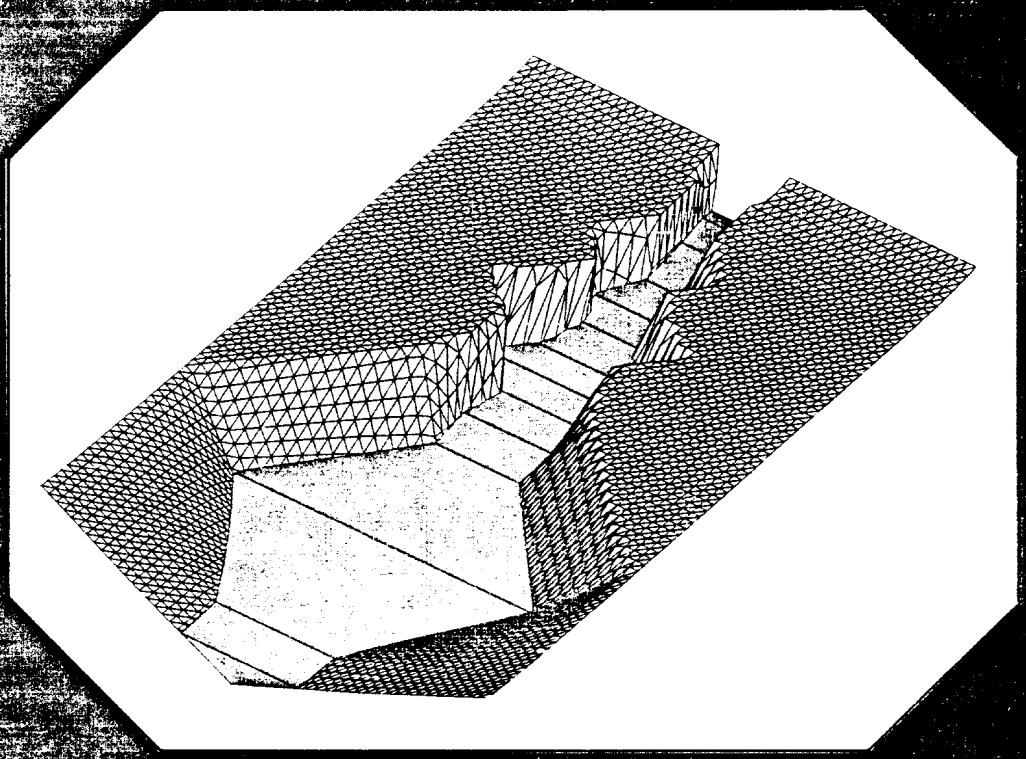
Hydraulic Engineering Software Applications

EDITORS: W.R. Blain and D. Ouazar



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This volume contains edited papers from the 3rd International Conference on Hydraulic Engineering Software held by the Wessex Institute of Technology at Lowell, Massachusetts, USA, in April 1990. The papers relate to general hydraulic software used in the engineering field and cover such topics as hydrodynamic and environmental modelling, pressure flow, open channel flow, dam breaking, hydrology, data acquisition and expert systems.

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PREFACE

Computational techniques and environmental software developments associated with hydraulic engineering are becoming more and more sophisticated and complex.

Now, more than ever, hydraulic engineers have to be aware of the latest developments and trends in hydraulic engineering computations and the software environment, as this has become an essential part of the overall hydraulic design process.

This book contains the edited papers submitted to the 3rd International Conference on Hydraulic Engineering Software, organised by the Wessex Institute of Technology, and held at Lowell, Massachusetts, USA, from 3rd to the 5th of April 1990. The contents of the book has been subdivided into the following sections:

Section 1: Hydrodynamic and Environmental Modelling
Section 2: Pressure Flow
Section 3: Open Channel Flow and Dam Breaking
Section 4: Hydrology and Groundwater Flow
Section 5: Data Acquisition, Monitoring of Experiments
Section 6: Hydraulic Software and Expert Systems

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The Editors