



# CONTENTS

<i>Preface</i> . . . . .	v
<i>List of Contributors</i> . . . . .	ix
1. Advanced Implementation of Boundary Element Methods for Three-Dimensional Problems of Elastoplasticity and Visco- plasticity . . . . .	1
P. K. BANERJEE and T. G. DAVIES	
2. Boundary Element Formulations for Large Strain–Large Deformation Problems of Plasticity and Viscoplasticity . . . . .	27
S. MUKHERJEE and A. CHANDRA	
3. Elastoplastic Analysis by Indirect Methods . . . . .	59
N. NISHIMURA and S. KOBAYASHI	
4. Non-Linear Problems of Fracture Mechanics . . . . .	87
S. MUKHERJEE and V. BANTHIA	
5. Large Deflection Analysis of Thin Elastic Plates . . . . .	115
M. TANAKA	
6. Problems of Time-Dependent Navier–Stokes Flow . . . . .	137
J. C. WU, Y. M. RIZK and N. L. SANKAR	

7. Boundary Element Formulations and Solutions for Some Non-Linear Water Wave Problems . . . . .	171
P. L.-F. LIU and J. A. LIGGETT	
8. Boundary Element Analysis of Non-Linear Sloshing Problems . . . . .	191
T. NAKAYAMA and the late K. WASHIZU	
9. Advanced Integration Schemes over Boundary Elements and Volume Cells for Two- and Three-Dimensional Non-Linear Analysis . . . . .	213
G. G. W. MUSTOE	
10. Some Linear and Non-Linear Problems in Aero- and Hydrodynamics . . . . .	271
T. S. LUU and G. COULMY	
<i>Index</i> . . . . .	309

