

CONTENTS

Preface	ix
Chapter 1	
The boundary element method for Reissner plates resting on elastic foundations <i>Y. F. Rashed, M. H. Aliabadi, C. A. Brebbia</i>	1
Chapter 2	
Boundary element analysis of thick Reissner plates in bending <i>A. El Zafrany</i>	49
Chapter 3	
Elastoplastic analysis of Reissner's plates using the boundary element method <i>G. O. Ribeiro, W. S. Venturini</i>	101
Chapter 4	
Nonlinear material analysis of Reissner's plates <i>J. C. F. Telles, V. J. Karam</i>	127
Chapter 5	
Stress resultant based integral equation formulation for plate bending analysis <i>Y. F. Rashed, M. H. Aliabadi, C. A. Brebbia</i>	165
Chapter 6	
Fracture analysis of plate bending problems using the boundary element method <i>J. L. Wearing, S. Y. Ahmadi-Brooghani</i>	199
Chapter 7	
Adaptive boundary element formulations for plate bending analysis <i>J. Sawaki, N. Kamiya</i>	225
Chapter 8	
Nonlinear analysis of plate bending by boundary element method <i>Qing Hua Qin</i>	249
Chapter 9	
Analysis of plates with variable thickness. An analog equation solution <i>M. S. Nerantzaki, J. T. Katsikadelis</i>	275
Chapter 10	
Stability <i>S. Syngellakis</i>	309