## TABLE OF CONTENTS

PREFACE	VII
LIST OF PARTICIPANTS	IX
LAPLACE TRANSFORM METHODS FOR EVOLUTION EQUATIONS R. Beals	1
HYPERBOLIC DIFFERENTIAL EQUATIONS AND WAVES G. F. D. Duff	27
ULTRADISTRIBUTIONS AND HYPERBOLICITY H. Komatsu	157
SOME ASPECTS OF THE THEORY OF LINEAR EVOLUTION EQUATIONS J. L. Lions	175
TOPICS IN PARABOLIC EQUATIONS: SOME TYPICAL FREE BOUNDARY PROBLEMS E. Magenes	239
CRITERIA OF HYPERBOLICITY FOR CONSTANT COEFFICIENT POLYNOMIALS M. Münster	313
STABILITY OF MOTION FOR SEMILINEAR EQUATIONS J. Rauch	319
THE APPROXIMATION OF SEMI-GROUPS OF LINEAR OPERATORS AND THE FINITE ELEMENT METHOD T. Ushijima	351
PROPAGATION OF SINGULARITIES FOR HYPERBOLIC MIXED PROBLEMS S. Wakabayashi	363
SPECTRAL AND ASYMPTOTIC ANALYSIS OF ACOUSTIC WAVE PROPAGATION C. H. Wilcox	385