

CONTENTS

<i>Contributors</i>	<i>vii</i>
<i>Preface</i>	<i>ix</i>
1. Asymptotic Theory for Rayleigh and Rayleigh-Type Waves	1
Julius Kaplunov and Danila A. Prikazchikov	
1. Introduction	2
2. Time-Harmonic Rayleigh Wave on an Elastic Half-Space	4
3. Rayleigh-Type Interfacial and Edge Elastic Waves	12
4. Hyperbolic–Elliptic Model for the Rayleigh Wave Induced by Surface Stresses	19
5. Generalizations of the Hyperbolic–Elliptic Model	37
6. Moving Load Problems	53
7. Parabolic–Elliptic Model for a Bending Edge Wave on a Thin Plate	81
8. Conclusion	96
Acknowledgments	97
Appendix A. Near-Resonant Behavior of a Single Degree of Freedom Linear Oscillator	97
Appendix B. Exact Analysis of Plane Moving Load Problems	98
References	101
<i>Index</i>	<i>107</i>