

CONTENTS

| | PAGE |
|---|------|
| Preface | vii |
| Introductory Chapter: | |
| I. The Problems of Celestial Mechanics | 1 |
| II. The Two-body Problem | 6 |
| Chapter I: The n -body Problem, with Special Reference to the Three-body Problem | 27 |
| Chapter II: Application of the Theory of Hamilton-Jacobi to the Three-body Problem | 52 |
| Chapter III: The Theory of Perturbations | 79 |
| Chapter IV: Supplementary Considerations | 97 |
| Chapter V: The Two-body Problem for Extended Deform- able Bodies | 105 |
| Chapter VI: The Motion of the Apsidal Line in Relativistic Mechanics | 133 |
| Index | 145 |