

CONTENTS

	<i>Foreword</i>	<i>ix</i>
	<i>Note on the expression of planetary masses</i>	<i>xi</i>
1	Introduction	1
2	The internal structure of the Earth	16
3	Methods for the determination of the dynamical properties of planets	51
4	Equations of state of terrestrial materials	88
5	The Moon	132
6	Mars, Venus and Mercury	171
7	High pressure metals	199
8	Jupiter and Saturn, Uranus and Neptune	237
9	Departures from the hydrostatic state	273
10	Conclusion	302
	Appendix 1 <i>Limits and conditions on planetary models</i>	309
	Appendix 2 <i>Combination of effects of small departures from a uniform distribution of density</i>	318
	Appendix 3 <i>The physical librations of the Moon</i>	319
	<i>References</i>	324
	<i>Index</i>	343