

1. Record Nr.	UNINA9910629298703321
Autore	Klokocnik J (Jaroslav)
Titolo	Atlas of the gravity and magnetic fields of the moon // Jaroslav Klokocnik [and four others]
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	3-031-08867-0
Descrizione fisica	1 online resource (273 pages)
Collana	Springer geophysics
Disciplina	531.14
Soggetti	Gravity Moon Gravity Moon Magnetic properties
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- Acknowledgments -- Contents -- About the Authors -- Abbreviations and Units -- Abbreviations -- Units -- 1 Introduction -- References -- 2 Notes to Theory and Data -- 2.1 Theory -- 2.2 Data-Gravity Field Models -- 2.3 Data-Magnetic Field Models -- 2.4 Data-Surface Topography Model -- 2.5 Our Figures -- References -- 3 Gravitational Field of the Moon -- 3.1 Introductory Notes -- 3.2 From Historical Models to the Present Time -- 3.3 Main Characteristics of the Gravity Field of the Moon -- References -- 4 Magnetic Field of the Moon -- 4.1 Introduction -- 4.2 Data-Magnetic Field -- 4.3 Origin of the Moon -- References -- 5 Surface Topography of the Moon -- References -- 6 Geology and Geomorphology of the Moon- A Necessary Introduction -- 6.1 Geology -- 6.2 Geomorphology -- 6.3 Earth Analogues -- References -- 7 Geophysics of the Moon- A Necessary Introduction -- 7.1 Introduction to the Geophysics of the Moon -- 7.2 Magnetic Record of Lunar Samples -- 7.3 Water on the Moon -- 7.4 Conclusion -- References -- 8 Atlas of the Moon -- 8.1 Global Views -- 8.1.1 What Do the Maps Contain? -- 8.1.2 Notes: Observations Based on Figs. 81.1 to 81.8b -- 8.2 Segments -- References -- 9 Limits and Possibilities of Interpretation -- 9.1 Introduction -- 9.2 Mascons and Ghost Craters -- 9.3 Radial Structures -- 9.4 Polygonal Structures -- 9.5 The Significance of Strike Angles --

9.6 Examples-Zooms -- 9.6.1 Introductory Notes -- 9.6.2 Copernicus  
Pair -- 9.6.3 Mare Crisium -- 9.6.4 South Pole-Aitken Basin (SPA) --  
9.6.5 Catena and Crater Michelson -- 9.6.6 Crater Schrödinger and Its  
Valleys -- 9.7 Concluding Remarks -- References.

---