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| 1. Record Nr. | UNINA990006338230403321 |
| Autore | De Medio, Alfredo |
| Titolo | Note su alcuni frammenti di Africano Interpolati / Alfredo De Medio |
| Pubbl/distr/stampa | Modena : Presso Archivio Giuridico, 1902 |
| Descrizione fisica | 41 p. ; 24 cm |
| Disciplina | 418.02 |
| Locazione | FGBC |
| Collocazione | B.SOL.BUS.4 (1) 18 |
| Lingua di pubblicazione | Non definito |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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|-------------------------|---|
| 2. Record Nr. | UNISA996466838703316 |
| Autore | Longuski Jim |
| Titolo | Introduction to orbital perturbations / / James M. Longuski, Felix R. Hoots and George E. Pollock |
| Pubbl/distr/stampa | Cham, Switzerland : , : Springer, , [2022]
©2022 |
| ISBN | 3-030-89758-3 |
| Descrizione fisica | 1 online resource (349 pages) : illustrations (some color) |
| Collana | Space Technology Library ; ; v.40 |
| Disciplina | 521.3 |
| Soggetti | Perturbation (Astronomy)
Planets - Orbits |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Intro -- Preface -- Acknowledgments -- Contents -- Nomenclature --
Coordinate Systems -- Latin Characters -- Greek Characters --
Mathematical Symbols and Operators -- Method of Averaging Symbols
-- Chapter 1. The n-Body Problem Chapter 2. General Perturbations |

Chapter 3. Evaluation of Lagranges Brackets Chapter 4. Lagranges Planetary Equations Chapter 5. Expansion of the Perturbation Function Chapter 6. The Earth-Moon System Chapter 7. Potential of an Oblate Spheroid Chapter 8. Effects of General Relativity Chapter 9. Perturbations due to Atmospheric Drag Chapter 10. Periodic Solutions in Nonlinear Oscillations

Sommario/riassunto

This textbook provides details of the derivation of Lagrange's planetary equations and of the closely related Gauss's variational equations, thereby covering a sorely needed topic in existing literature. Analytical solutions can help verify the results of numerical work, giving one confidence that his or her analysis is correct. The authors all experienced experts in astrodynamics and space mission stake on the massive derivation problem step by step in order to help readers identify and understand possible analytical solutions in their own endeavors.
