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Nota di contenuto	1. Exploration of star systems -- 2. Newtonian mechanics -- 3. The physics of rocketry and spaceflight -- 4. Power systems for spaceflight -- 5. Elements of astrodynamics -- 6. Special relativity -- 7. The relativistic rocket -- 8. The Photon sail -- 9. Scientific and technical requirements -- 10. Electromagnetically accelerated nano-bots -- 11. Exotic propulsion methods -- 12. The interstellar neighborhood -- 13. Will humans go to the Stars? -- 14. Solar system stability and the likelihood of earth-like planets -- 15. Life on earth and in the Universe -- 16. Appendix.
Sommario/riassunto	Gives an exposition of classical mechanics and relativity that addresses the question of whether it is possible to send probes to extrasolar systems. This book examines physics to consider the possibility of exploring the nearby interstellar environment in a similar fashion to how the solar system has been explored.