

Celestial Mechanics The Waltz Of The Planets Springer Praxis Books English Edition By Alessandra Celletti Ettore Perozzi

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The aim of this book is to demonstrate to a wider audience, as well as to a more skilled audience, the many fascinating aspects of modern celestial mechanics. It sets out to do this without the use of mathematics. After giving the reader the technical tools needed for a basic understanding of the underlying physical phenomena (using only elementary mathematics), facts and figures are provided on historical events, modern discoveries and future applications. Contents are divided into major topics where the three "souls" of modern celestial mechanics (dynamical systems, Solar System and stellar systems, spaceflight dynamics) play a major role..

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including the determination of the dynamics of planets asteroids etc artificial satellites and the design of orbits for interplanetary travels

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alessandra celletti mathematician

May 31st, 2020 - alessandra celletti born 12 february 1962 is an italian mathematician she earned a master's degree in mathematics in 1984 at the university of rome la sapienza and a phd in 1989 at the swiss federal institute of technology in zurich under the supervision of jürgen moser and jörg waldvogel her research activity concerns dynamical systems kolmogorov arnold moser kam theory and

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unreferenced portion of a wikipedia article that said a perfectly spherical body acts exactly like a point mass in newtonian mechanics a non spherical body does not the earth s equatorial bulge has a significant effect on satellites in low earth orbit

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