



## Poincaré and the Three Body Problem (annotated edition)

By June Barrow-Green

American Mathematical Society. Paperback. Book Condition: new. BRAND NEW, Poincaré and the Three Body Problem (annotated edition), June Barrow-Green, The idea of chaos figures prominently in mathematics today. It arose in the work of one of the greatest mathematicians of the late 19th century, Henri Poincaré, on a problem in celestial mechanics: the three body problem. This ancient problem - to describe the paths of three bodies in mutual gravitational interaction - is one of those which is simple to pose but impossible to solve precisely. Poincaré's famous memoir on the three body problem arose from his entry in the competition celebrating the 60th birthday of King Oscar of Sweden and Norway. His essay won the prize and was set up in print as a paper in Acta Mathematica when it was found to contain a deep and critical error. In correcting this error Poincaré discovered mathematical chaos, as is now clear from Barrow-Green's pioneering study of a copy of the original memoir annotated by Poincaré himself, recently discovered in the Institut Mittag-Leffler in Stockholm. "Poincaré and the Three Body Problem" opens with a discussion of the development of the three body problem itself and Poincaré's related earlier work. The book...



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