The Earth's Motion of Rotation: Including the Theory of Precession and Nutation (Classic Reprint)

Reviews

A whole new e-book with a brand new perspective. Indeed, it is enjoy, continue to an interesting and amazing literature. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Ebba Hilli)
In offering to the student a treatment of the Problem of the Earth’s rotation somewhat different from that which has been usually given in elementary text-books, a few words of explanation are necessary. The first part consists of an application of the method of the variation of elements to the general problem of rotation. That the formulas for calculating these elements are identical in the motions both of translation and rotation, appeared so remarkable, that it might be well to present the latter in a form easily accessible. As far as I am aware, an elementary investigation of these formulae has not yet been given: in attempting to supply this, I have adopted a method somewhat similar to that which I have given for the corresponding equations of the motion of translation, in an Elementary Treatise on the Planetary Theory. The striking analogy, thus developed, between the solutions of problems, in appearance so dissimilar, may, I hope, lead to a more complete study of Lagrange’s beautiful theory of the variation of arbitrary constants. In the Second Part the general rotation-formulae are applied to the particular case of the Earth. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at this book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We...