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Cambridge University Press

978-1-108-05031-9 - The Elementary Part of a Treatise on the Dynamics of a System of Rigid Bodies

Edward John Routh

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Theory of moving axes, Clairaut's theorem, and motion relative to the earth.

Theory of small oscillations with several degrees of freedom both about a position of equilibrium and about a state of steady motion.

Motion of a body about a fixed point under no forces.

Motion of a body under any forces.

Theory of free and forced oscillations.

Methods of Isolation and of Multipliers.

Applications of the calculus of finite differences.

Applications of the calculus of variations.

Precession and Nutation.

Motion of a string or chain.

Motion of a membrane.

The student, to whom the subject is entirely new, is advised to read *first* the following articles: Chap. I. 1—25, 33—36, 47—52. Chap. II. 66—87. Chap. III. 88—93, 98—104, 110, 112—118. Chap. IV. 130—164, 168—175, 179—186, 199. Chap. V. 214—245, 248—256, 261—269. Chap. VI. 282—285, 288—295, 299—309. Chap. VII. 332—374. Chap. VIII. 395—409. Chap. IX. 432—463, 467—476. Chap. X. 483, 488—499.

ERRATUM.

Page 190, line 25, for $\left(\frac{gt^2}{2} - a\theta\right)$ read $\left(\frac{gt^2}{2} - a\theta\right)^2$.