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Syllabus of Elementary Dynamics, Vol. 1: With an Appendix on the Meanings of the Symbols in Physical Equations (Classic Reprint)

By Mathematical Association

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Syllabus of Elementary Dynamics, Vol. 1: With an Appendix on the Meanings of the Symbols in Physical Equations The Science of Dynamics treats of Force, Matter and Motion, their measures and mutual relations. Motion when considered in itself, apart from the physical nature of the moving object and the forces which produce the motion, forms the subject of the preliminary Science of Kinematics. Dynamics naturally divides itself into different branches, according to the greater or less simplicity of the masses or systems of matter, on and between which the forces are supposed to act. 1. The simplest case is that of a single particle, or mass of matter of insensible dimensions, and therefore such that it may be treated as a geometrical point. 2. Next in simplicity is the case of a (so-called) Rigid body, or a mass whose position (like that of a definite geometrical figure) is determined when the positions of three of its points (not in the same straight line) are determined. 3. Then follow cases of greater complexity, according to the...



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