



An Introduction to the Theory and Practice of Mechanics In Five Books, for the Use of Schools, Illustrated by Examples

By William Marrat

General Books. Paperback. Book Condition: New. This item is printed on demand. Paperback. 116 pages. Dimensions: 9.7in. x 7.4in. x 0.2in. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1810. Excerpt: . . . STATICS. BOOK I 1. definitions. The term mechanics denotes the science which treats of the motion and equilibrium of bodies; its object is to instruct us how to move any given weight with a given power, by the assistance of machines, or otherwise. 2. Matter denotes the substance of which bodies are made. Body signifies a quantity of matter collected into one mass. 4. Space may be considered as extension without bounds; it is immoveable, but penetrable by matter: this is absolute space. Relative space may be considered as the distance between two bodies, or as the portion of absolute space which a body fills. 5. Place signifies that part of absolute space which a body possesses: this is absolute place. Relative place is the space which a body occupies when considered with relation to surrounding objects. 6. When a body continues in the same...



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