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Kinematics: study of the geometry of motion. Kinematics is used to relate displacement, velocity, acceleration, and time without reference to the cause of motion, i.e. forces are not considered.

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particles offer to changes in motion, i.e., changes in speed or direction.

WebThis textbook is designed for introductory statics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments. Engineering Mechanics Combined Statics and Dynamics, R. C. Hibbeler, Apr 1, 2009, Technology & Engineering, 732 pages.

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