Principles of Physical Chemistry

Classical Mechanics

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Objective

(Re)vise core physics material required to understand the chemistry course.

Online

www.markwallace.org

tinyurl.com/MITPhysics (Lewin MIT '99)

Books

Foundations of Physics for Chemists, Ritchie & Sivia

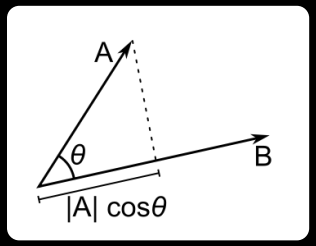
Physics, Alonso & Finn

University physics, Benson

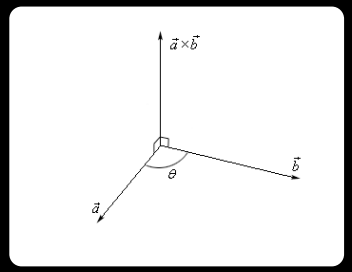
Newton's laws

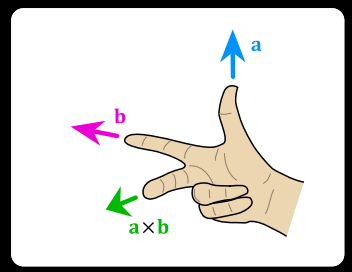
1. An object in motion will remain in motion unless acted upon by a net force.
2. F = ma
3. To every action there is an equal and opposite reaction.

Scalar (Dot) Product



Vector (Cross) Product





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