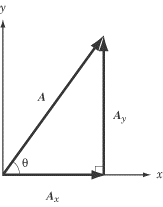
PHYS 310 Formulas

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Vectors



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Equations of Motion for Constant Acceleration

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Forces and Newton’s Laws of Motion

|  |  |
| --- | --- |
| (free fall acceleration) |  |
|  |  |
| (Gravitational Force) |  |
| (Weight) | (Static Friction) |
| (Kinetic Friction) | (Spring) |

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Oscillations and Rotational Motion

|  |  |
| --- | --- |
| (Tangential velocity) | (Centripetal acceleration) |
| (Centripetal force) |  |
|  |  |
|  | (Tangential acceleration) |
|  |  |

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