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... $U_{1-2} = F \cos \alpha \Delta x$. Work of the weight. $U_{1-2} = -W \Delta y = -W(y_2 - y_1)$ Work of the force exerted by a spring. (x is the deformed distance) $U_{1-2} = \frac{1}{2} k x_1^2 - \frac{1}{2} k x_2^2$. Work of a gravitational force $U_{1-2} = GMm \left(\frac{1}{r_1} - \frac{1}{r_2} \right)$. PRINCIPLE OF WORK AND ENERGY: $T_1 + U_{1-2} = T_2$. $\sum \mathbf{F} = m \mathbf{a}$ Academia.edu is a platform for academics to share research papers. (PDF) Dynamics Formula Sheet | Maria Ma - Academia.edu Formula Sheet book " Hibbeler: Benelux Dynamics Mastering Pack 2014", Hibbeler - Kinematics, Kinetics and Moments of Inertia. Universiteit / hogeschool. Technische Universiteit Delft. Vak. Dynamica (WB1135) Academisch jaar. 2014/2015 Formula Sheet book " Hibbeler: Benelux Dynamics Mastering ... Learn by viewing, master by doing www.virtuallypassed.com In this video I cover some of the main formulas used for a standard dynamics course: 1) Plane motion 2) Projectile motion 3) Circular ... Dynamics Formula Sheet Thin

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