

Engineering Mechanics Statics

I. Basic Principles

1.) Forces in equilibrium

$$\begin{aligned}\sum F_x &= 0 \\ \sum F_y &= 0 \\ \sum M &= 0\end{aligned}$$



2.) Forces in equilibrium from a closed polygon when connected tail of one to head of another



3.) Tension on continuous cable running around a frictionless pulley is constant.



Lecture Notes Engineering Mechanics Dynamics

R Sandford



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