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Slope and Angle of Inclination
Slope Angle of Inclination

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Definition Steepness of a line Angle formed in relation to the x-axis Notation m

Computation $\frac{Y_2 - Y_1}{X_2 - X_1}$ is the angle formed between the ...

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 $AMA = \text{Actual Mechanical Advantage}$
 $D E = \text{Effort Distance}$
 $D R = \text{Resistance Distance}$
 $F E = \text{Effort Force}$
 $F R = \text{Resistance Force}$
Wedge
L Pulley Systems = N $IMA = \text{Total number of strands of a single string supporting the resistance}$
d d $IMA = \text{Wheel and Axle}$

Mechanical Engineering Formulas | Basic Math Formulas

Formulas and mathematical terms are important to solve all numerical Mechanical and quantitative aptitude Problems. This handbook contains some very important mechanical formulas list and important basic terms with detailed explanation with

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proper Drawings.

Formulas Book for Mechanical Engineering
Formula G shear stress shear strain Shear
Modulus (Rigidity) shear stress shear strain
getcalc Formula E o E stress strain Young's
Modulus (Elasticity) stress strain getcalc

Mechanical Engineering Formulas

Engineering Stress

List of All Mechanical Engineering

Formulas. Aviation Gasoline weight per

gallon (gw)=6.00 Jet A weight per gallon

(dw)=6.84 Aviation Gasoline weight per

gallon (gw)=6.00 Jet A weight per gallon

(dw)=6.84 D is the diameter of the tap used.

Time for turning=Length of...

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introduction to all courses, subjects, topics

and basic concepts - It is advisable for all

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viscosity, Pascal ' s law, Bernoulli ' s equation for incompressible fluids, only working principle of Hydraulic machines, pumps, turbines, Reciprocating pumps.

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