

Download Mechanical Engineering Formulas

Mechanical The complete list of mechanical engineering basic formulas for PDF download to help users to use them offline to learn or workout how to execute or solve the various calculations of material characteristics (stress, strain, elasticity & toughness), power transmission (gears & belts), mechanical power (torque, horsepower & speed), IC engines, thermal, fluid, force, velocity, acceleration & much more. Basic mechanical.html engineering math formulas and equations are listed here. Mechanical engineering calculators - formula & step by step calculations on strength of materials, fluid dynamics, statics, solid mechanics, thermodynamics, heat transfer, fuels, internal combustion engines etc. Perform, understand & verify the mechanical engineering calculations as quick as possible. Formulas Used: Aviation Gasoline weight per gallon(gw)=6.00 Jet A weight per gallon(dw)=6.84 Total Capacity (AvGas) Fuel Load Weight=(Fuel weight)*(gw)GPH=start fuel-end fuel NOTE: Be sure to take into consideration winds aloft, restricted zones, climb time and fuel for a margin of safety when calculating requirements. Be sure to check the current NOAA aviation weather for departure, along the flight plan and at the destination airport before departure.