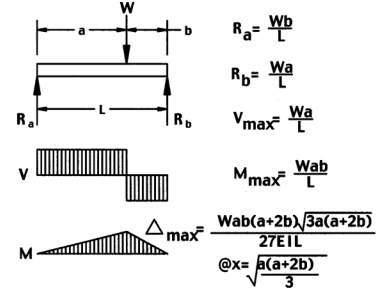
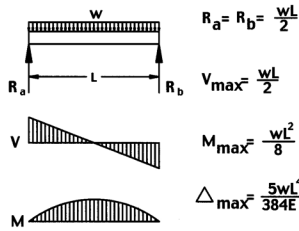
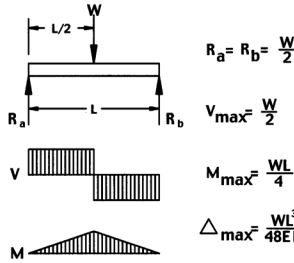


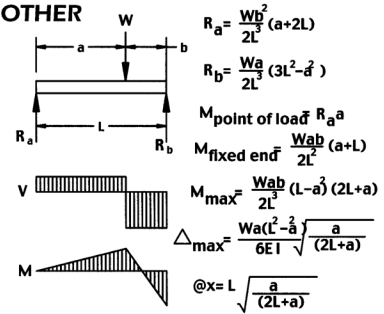
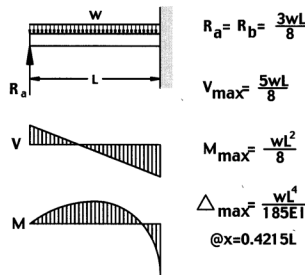
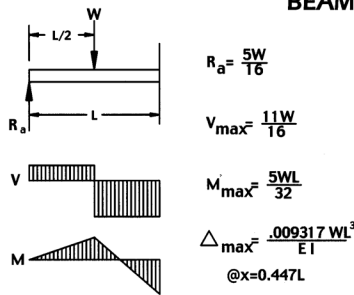
REFERENCE GUIDES

common beam loading formulas

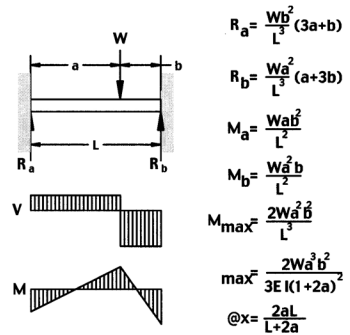
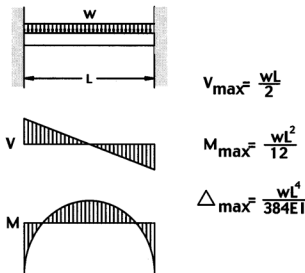
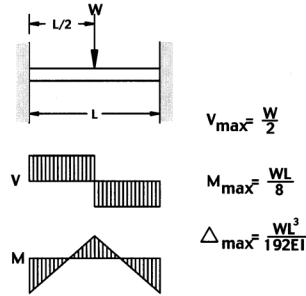
SIMPLE BEAMS



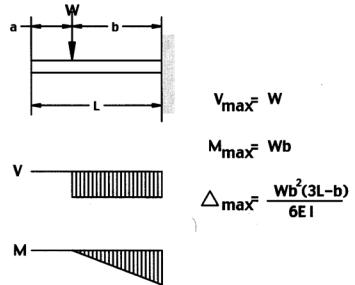
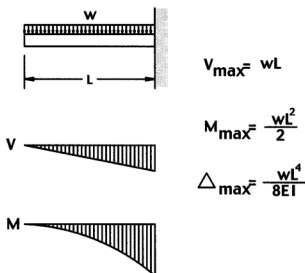
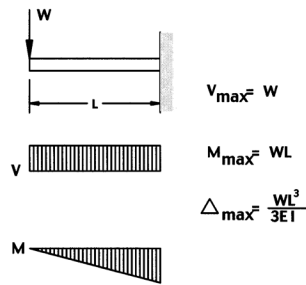
BEAM FIXED AT ONE END, SUPPORTED AT OTHER



BEAM FIXED AT BOTH ENDS



CANTILEVER BEAMS



R- Reaction
M-Moment
W-Concentrated Load

w-Uniform Load (Weight/Unit Length)
V-Shear
L-Length

Δ -Deflection
E-Modulus of Elasticity
I-Moment of Inertia