

Parameter Calculator

Intact UCS (MPa):

Peak Residual

Geological Strength Index:

Intact Rock Constant m_i :

Disturbance Factor:

mb:

s:

a:

Compute rock mass elastic modulus

Erm (MPa):

Method:

E_i (MPa):

MR

Define Material Properties

GRD

Name: Material Color:

Initial Element Loading: Unit Weight: (MN/m3):

Elastic Properties

Elastic Type: Poisson's Ratio:

Young's Modulus (MPa): Young's Modulus (resid) (MPa):

E_1 (MPa): E_2 (MPa): E_z (MPa):

ν_{12} : ν_{1z} : ν_{2z} :

Strength Parameters

Failure Criterion: Material Type:

Intact Comp. Strength (MPa): Dilation Parameter:

mb Parameter (peak): mb Parameter (resid):

s Parameter (peak): s Parameter (resid):

a Parameter (peak): a Parameter (resid):

Stage Properties Datum Dependent

Unsaturated Shear Strength

Phi b: Air Entry (MPa):

Show only properties used in model