



[calculatoratoz.com](https://calculatoratoz.com)



[unitsconverters.com](https://unitsconverters.com)

## Slope Stability Analysis using Culman's Method Formulas

Calculators!

Examples!

Conversions!

Bookmark [calculatoratoz.com](https://calculatoratoz.com), [unitsconverters.com](https://unitsconverters.com)

Widest Coverage of Calculators and Growing - **30,000+ Calculators!**

Calculate With a Different Unit for Each Variable - **In built Unit Conversion!**

Widest Collection of Measurements and Units - **250+ Measurements!**

Feel free to SHARE this document with your friends!

[Please leave your feedback here...](#)



## List of 29 Slope Stability Analysis using Culman's Method Formulas

### Slope Stability Analysis using Culman's Method

#### 1) Angle of Inclination given Critical Slope Angle

$$fx \quad i = (2 \cdot \theta_{cr}) - \varphi_m$$

[Open Calculator !\[\]\(a870788d6ed9b8fd294b7654a8c8526b\_img.jpg\)](#)

$$ex \quad 64.2^\circ = (2 \cdot 52.1^\circ) - 40^\circ$$

#### 2) Angle of Internal Friction given Angle of Inclination and Slope Angle

fx

[Open Calculator !\[\]\(c50c8b7b2cc2cf9ff925edec0ee94c0d\_img.jpg\)](#)

$$\Phi_i = a \tan \left( \left( F_s - \frac{C_s}{\left( \frac{1}{2} \right) \cdot \gamma \cdot H \cdot \left( \frac{\sin \left( \frac{(\theta_i - \theta_{slope}) \cdot \pi}{180} \right)}{\sin \left( \frac{\theta_i \cdot \pi}{180} \right)} \right) \cdot \sin \left( \frac{\theta_{slope} \cdot \pi}{180} \right)} \right) \cdot \tan \left( \frac{\theta_{slope} \cdot \pi}{180} \right) \right)$$

ex

$$88.88139^\circ = a \tan \left( \left( 2.8 - \frac{5.0 \text{ kPa}}{\left( \frac{1}{2} \right) \cdot 18 \text{ kN/m}^3 \cdot 10 \text{ m} \cdot \left( \frac{\sin \left( \frac{(36.85^\circ - 36.89^\circ) \cdot \pi}{180} \right)}{\sin \left( \frac{36.85^\circ \cdot \pi}{180} \right)} \right) \cdot \sin \left( \frac{36.89^\circ \cdot \pi}{180} \right)} \right) \cdot \tan \left( \frac{36.89^\circ \cdot \pi}{180} \right) \right)$$

#### 3) Angle of Internal Friction given Effective Normal Stress

$$fx \quad \Phi_i = a \tan \left( \frac{F_s \cdot \zeta_{soil}}{\sigma_{effn}} \right)$$

[Open Calculator !\[\]\(235bfe13ebf007ce2eea9e689707fac7\_img.jpg\)](#)

$$ex \quad 76.87856^\circ = a \tan \left( \frac{2.8 \cdot 250.09 \text{ MPa}}{163.23 \text{ MPa}} \right)$$

#### 4) Angle of Mobilized Friction given Critical Slope Angle

$$fx \quad \varphi_m = (2 \cdot \theta_{cr}) - i$$

[Open Calculator !\[\]\(291e070cef6c4d5e78fefe4696ef53be\_img.jpg\)](#)

$$ex \quad 40.2^\circ = (2 \cdot 52.1^\circ) - 64^\circ$$



5) Cohesion of Soil given Angle of Inclination and Slope angle 

fx

Open Calculator 

$$C_{\text{eff}} = \left( F_s - \left( \frac{\tan\left(\frac{\varphi \cdot \pi}{180}\right)}{\tan\left(\frac{\theta \cdot \pi}{180}\right)} \right) \right) \cdot \left( \left( \frac{1}{2} \right) \cdot \gamma \cdot H \cdot \left( \frac{\sin\left(\frac{(i-\theta) \cdot \pi}{180}\right)}{\sin\left(\frac{i \cdot \pi}{180}\right)} \right) \cdot \sin\left(\frac{\theta \cdot \pi}{180}\right) \right)$$

ex

$$0.400929 \text{ kPa} = \left( 2.8 - \left( \frac{\tan\left(\frac{46^\circ \cdot \pi}{180}\right)}{\tan\left(\frac{25^\circ \cdot \pi}{180}\right)} \right) \right) \cdot \left( \left( \frac{1}{2} \right) \cdot 18 \text{ kN/m}^3 \cdot 10 \text{ m} \cdot \left( \frac{\sin\left(\frac{(64^\circ - 25^\circ) \cdot \pi}{180}\right)}{\sin\left(\frac{64^\circ \cdot \pi}{180}\right)} \right) \cdot \sin\left(\frac{25^\circ \cdot \pi}{180}\right) \right)$$

6) Cohesive Force along Slip Plane 

fx

$$F_c = c_m \cdot L$$

Open Calculator 

ex

$$1.5 \text{ kN} = 0.30 \text{ kN/m}^2 \cdot 5 \text{ m}$$

7) Critical Slope Angle given Angle of Inclination 

fx

$$\theta_{\text{cr}} = \frac{i + \varphi_m}{2}$$

Open Calculator 

ex

$$52^\circ = \frac{64^\circ + 40^\circ}{2}$$

8) Factor of Safety given Angle of Mobilized Friction 

fx

$$F_s = \frac{\tan\left(\frac{\Phi_i \cdot \pi}{180}\right)}{\tan\left(\frac{\varphi_m \cdot \pi}{180}\right)}$$

Open Calculator 

ex

$$2.072088 = \frac{\tan\left(\frac{82.87^\circ \cdot \pi}{180}\right)}{\tan\left(\frac{40^\circ \cdot \pi}{180}\right)}$$

9) Factor of Safety given Length of Slip Plane 

fx

$$F_s = \left( \frac{c \cdot L}{W_{\text{wedge}} \cdot \sin\left(\frac{\theta_{\text{cr}} \cdot \pi}{180}\right)} \right) + \left( \frac{\tan\left(\frac{\varphi \cdot \pi}{180}\right)}{\tan\left(\frac{\theta_{\text{cr}} \cdot \pi}{180}\right)} \right)$$

Open Calculator 

ex

$$3.301915 = \left( \frac{2.05 \text{ Pa} \cdot 5 \text{ m}}{267 \text{ N} \cdot \sin\left(\frac{52.1^\circ \cdot \pi}{180}\right)} \right) + \left( \frac{\tan\left(\frac{46^\circ \cdot \pi}{180}\right)}{\tan\left(\frac{52.1^\circ \cdot \pi}{180}\right)} \right)$$



10) Height from Toe of Wedge to Top of Wedge 

$$\text{fx } H = \frac{h}{\frac{\sin\left(\frac{(\theta_1 - \theta) \cdot \pi}{180}\right)}{\sin\left(\frac{\theta_1 \cdot \pi}{180}\right)}}$$

Open Calculator 

$$\text{ex } 9.360035\text{m} = \frac{3.01\text{m}}{\frac{\sin\left(\frac{(36.85^\circ - 25^\circ) \cdot \pi}{180}\right)}{\sin\left(\frac{36.85^\circ \cdot \pi}{180}\right)}}$$

11) Height from Toe of Wedge to Top of Wedge given Factor of Safety 

$$\text{fx } H = \left( \frac{C_{\text{eff}}}{\left(\frac{1}{2}\right) \cdot \left(F_s - \left(\frac{\tan\left(\frac{\phi \cdot \pi}{180}\right)}{\tan\left(\frac{\theta_{\text{cr}} \cdot \pi}{180}\right)}\right)\right) \cdot \gamma \cdot \left(\frac{\sin\left(\frac{(i - \theta_{\text{cr}}) \cdot \pi}{180}\right)}{\sin\left(\frac{i \cdot \pi}{180}\right)}\right) \cdot \sin\left(\frac{\theta_{\text{cr}} \cdot \pi}{180}\right)} \right)$$

Open Calculator 

$$\text{ex } 6.284854\text{m} = \left( \frac{0.32\text{kPa}}{\left(\frac{1}{2}\right) \cdot \left(2.8 - \left(\frac{\tan\left(\frac{46^\circ \cdot \pi}{180}\right)}{\tan\left(\frac{52.1^\circ \cdot \pi}{180}\right)}\right)\right) \cdot 18\text{kN/m}^3 \cdot \left(\frac{\sin\left(\frac{(64^\circ - 52.1^\circ) \cdot \pi}{180}\right)}{\sin\left(\frac{64^\circ \cdot \pi}{180}\right)}\right) \cdot \sin\left(\frac{52.1^\circ \cdot \pi}{180}\right)} \right)$$

12) Height from Toe of Wedge to Top of Wedge given Weight of Wedge 

$$\text{fx } H = \frac{W_{\text{we}}}{\gamma \cdot L \cdot \left(\frac{\sin\left(\frac{(\theta_1 - \theta) \cdot \pi}{180}\right)}{2 \cdot \sin\left(\frac{\theta_1 \cdot \pi}{180}\right)}\right)}$$

Open Calculator 

$$\text{ex } 9.542467\text{m} = \frac{138.09\text{kN}}{18\text{kN/m}^3 \cdot 5\text{m} \cdot \left(\frac{\sin\left(\frac{(36.85^\circ - 25^\circ) \cdot \pi}{180}\right)}{2 \cdot \sin\left(\frac{36.85^\circ \cdot \pi}{180}\right)}\right)}$$

13) Height from Toe to Top of Wedge given Angle of Mobilized Friction 

$$\text{fx } H = \frac{C_m}{0.5 \cdot \cos ec\left(\frac{i \cdot \pi}{180}\right) \cdot \sec\left(\frac{\phi_{\text{mob}} \cdot \pi}{180}\right) \cdot \sin\left(\frac{(i - \theta) \cdot \pi}{180}\right) \cdot \sin\left(\frac{(\theta_{\text{slope}} - \phi_{\text{mob}}) \cdot \pi}{180}\right) \cdot \gamma}$$

Open Calculator 

$$\text{ex } 7.311302\text{m} = \frac{0.30\text{kN/m}^2}{0.5 \cdot \cos ec\left(\frac{64^\circ \cdot \pi}{180}\right) \cdot \sec\left(\frac{12.33^\circ \cdot \pi}{180}\right) \cdot \sin\left(\frac{(64^\circ - 25^\circ) \cdot \pi}{180}\right) \cdot \sin\left(\frac{(36.89^\circ - 12.33^\circ) \cdot \pi}{180}\right) \cdot 18\text{kN/m}^3}$$



14) Height of Wedge of Soil given Angle of Inclination and Slope angle [Open Calculator](#) 

$$\text{fx } h = \frac{H \cdot \sin\left(\frac{(\theta_i - \theta) \cdot \pi}{180}\right)}{\sin\left(\frac{\theta_i \cdot \pi}{180}\right)}$$

$$\text{ex } 3.2158\text{m} = \frac{10\text{m} \cdot \sin\left(\frac{(36.85^\circ - 25^\circ) \cdot \pi}{180}\right)}{\sin\left(\frac{36.85^\circ \cdot \pi}{180}\right)}$$

15) Height of Wedge of Soil given Weight of Wedge [Open Calculator](#) 

$$\text{fx } h = \frac{W_{we}}{\frac{L \cdot \gamma}{2}}$$

$$\text{ex } 3.068667\text{m} = \frac{138.09\text{kN}}{\frac{5\text{m} \cdot 18\text{kN/m}^3}{2}}$$

16) Length of Slip Plane given Cohesive Force along Slip Plane [Open Calculator](#) 

$$\text{fx } L = \frac{F_c}{C_{mob}}$$

$$\text{ex } 5\text{m} = \frac{1.5\text{kN}}{0.3\text{kPa}}$$

17) Length of Slip Plane given Shear Strength along Slip Plane [Open Calculator](#) 

$$\text{fx } L = \frac{T_f - \left( W \cdot \cos\left(\frac{\theta_{slope} \cdot \pi}{180}\right) \cdot \tan\left(\frac{\phi \cdot \pi}{180}\right) \right)}{c}$$

$$\text{ex } 9.687676\text{m} = \frac{20\text{Pa} - \left( 10.01\text{kg} \cdot \cos\left(\frac{36.89^\circ \cdot \pi}{180}\right) \cdot \tan\left(\frac{46^\circ \cdot \pi}{180}\right) \right)}{2.05\text{Pa}}$$

18) Length of Slip Plane given Weight of Wedge of Soil [Open Calculator](#) 


$$\text{fx } L = \frac{W_{we}}{\frac{h \cdot \gamma}{2}}$$

$$\text{ex } 5.097453\text{m} = \frac{138.09\text{kN}}{\frac{3.01\text{m} \cdot 18\text{kN/m}^3}{2}}$$



19) Mobilized Cohesion given Angle of Mobilized Friction 

fx

Open Calculator 


$$c_m = \left( 0.5 \cdot \cos ec \left( \frac{i \cdot \pi}{180} \right) \cdot \sec \left( \frac{\varphi_{mob} \cdot \pi}{180} \right) \cdot \sin \left( \frac{(i - \theta_{slope}) \cdot \pi}{180} \right) \cdot \sin \left( \frac{(\theta_{slope} - \varphi_{mob}) \cdot \pi}{180} \right) \right)$$

ex

$$0.285231 \text{ kN/m}^2 = \left( 0.5 \cdot \cos ec \left( \frac{64^\circ \cdot \pi}{180} \right) \cdot \sec \left( \frac{12.33^\circ \cdot \pi}{180} \right) \cdot \sin \left( \frac{(64^\circ - 36.89^\circ) \cdot \pi}{180} \right) \cdot \sin \left( \frac{(36.89^\circ - 12.33^\circ) \cdot \pi}{180} \right) \right)$$

20) Mobilized Cohesion given Cohesive Force along Slip Plane 

fx

Open Calculator 

$$c_m = \frac{F_c}{L}$$

ex

$$0.3 \text{ kN/m}^2 = \frac{1.5 \text{ kN}}{5 \text{ m}}$$

21) Mobilized Cohesion given Safe Height from Toe to Top of Wedge 

fx

Open Calculator 

$$C_{mob} = \frac{H}{4 \cdot \sin \left( \frac{\theta_i \cdot \pi}{180} \right) \cdot \cos \left( \frac{\varphi_{mob} \cdot \pi}{180} \right) / \left( \gamma_w \cdot \left( 1 - \cos \left( \frac{(\theta_i - \varphi_{mob}) \cdot \pi}{180} \right) \right) \right)}$$

ex

$$0.813903 \text{ kPa} = \frac{10 \text{ m}}{4 \cdot \sin \left( \frac{36.85^\circ \cdot \pi}{180} \right) \cdot \cos \left( \frac{12.33^\circ \cdot \pi}{180} \right) / \left( 9810 \text{ N/m}^3 \cdot \left( 1 - \cos \left( \frac{(36.85^\circ - 12.33^\circ) \cdot \pi}{180} \right) \right) \right)}$$

22) Safe Height from Toe to Top of Wedge 

fx

Open Calculator 

$$H = \frac{4 \cdot c_m \cdot \sin \left( \frac{i \cdot \pi}{180} \right) \cdot \cos \left( \frac{\varphi_{mob} \cdot \pi}{180} \right)}{\gamma \cdot \left( 1 - \cos \left( \frac{(i - \varphi_{mob}) \cdot \pi}{180} \right) \right)}$$

ex

$$10.49217 \text{ m} = \frac{4 \cdot 0.30 \text{ kN/m}^2 \cdot \sin \left( \frac{64^\circ \cdot \pi}{180} \right) \cdot \cos \left( \frac{12.33^\circ \cdot \pi}{180} \right)}{18 \text{ kN/m}^3 \cdot \left( 1 - \cos \left( \frac{(64^\circ - 12.33^\circ) \cdot \pi}{180} \right) \right)}$$

23) Shear Strength along Slip Plane 

fx

Open Calculator 

$$\zeta_{soil} = (C_s \cdot L) + \left( W \cdot \cos \left( \frac{\theta \cdot \pi}{180} \right) \cdot \tan \left( \frac{\varphi \cdot \pi}{180} \right) \right)$$

ex

$$0.025 \text{ MPa} = (5.0 \text{ kPa} \cdot 5 \text{ m}) + \left( 10.01 \text{ kg} \cdot \cos \left( \frac{25^\circ \cdot \pi}{180} \right) \cdot \tan \left( \frac{46^\circ \cdot \pi}{180} \right) \right)$$



24) Slope Angle given Shear Strength along Slip Plane Open Calculator 

$$\text{fx } \theta_{\text{slope}} = a \cos \left( \frac{\zeta_{\text{soil}} - (C_s \cdot L)}{W_{\text{wedge}} \cdot \tan \left( \frac{\phi \cdot \pi}{180} \right)} \right)$$

$$\text{ex } 90^\circ = a \cos \left( \frac{0.025 \text{MPa} - (5.0 \text{kPa} \cdot 5 \text{m})}{267 \text{N} \cdot \tan \left( \frac{46^\circ \cdot \pi}{180} \right)} \right)$$

25) Slope Angle given Shear Stress along Slip Plane Open Calculator 

$$\text{fx } \theta_{\text{slope}} = a \sin \left( \frac{\tau_s}{W_{\text{wedge}}} \right)$$

$$\text{ex } 36.81627^\circ = a \sin \left( \frac{160 \text{N/m}^2}{267 \text{N}} \right)$$

26) Unit Weight of Soil given Angle of Mobilized Friction Open Calculator 

$$\text{fx } \gamma = \frac{C_m}{0.5 \cdot \cos ec \left( \frac{i \cdot \pi}{180} \right) \cdot \sec \left( \frac{\phi_{\text{mob}} \cdot \pi}{180} \right) \cdot \sin \left( \frac{(i - \theta_{\text{slope}}) \cdot \pi}{180} \right) \cdot \sin \left( \frac{(\theta_{\text{slope}} - \phi_{\text{mob}}) \cdot \pi}{180} \right) \cdot H}$$

$$\text{ex } 18.93202 \text{kN/m}^3 = \frac{0.30 \text{kN/m}^2}{0.5 \cdot \cos ec \left( \frac{64^\circ \cdot \pi}{180} \right) \cdot \sec \left( \frac{12.33^\circ \cdot \pi}{180} \right) \cdot \sin \left( \frac{(64^\circ - 36.89^\circ) \cdot \pi}{180} \right) \cdot \sin \left( \frac{(36.89^\circ - 12.33^\circ) \cdot \pi}{180} \right) \cdot 10 \text{m}}$$

27) Unit Weight of Soil given Safe Height from Toe to Top of Wedge Open Calculator 

$$\text{fx } \gamma = \frac{4 \cdot c_m \cdot \sin \left( \frac{i \cdot \pi}{180} \right) \cdot \cos \left( \frac{\phi_{\text{mob}} \cdot \pi}{180} \right)}{H \cdot \left( 1 - \cos \left( \frac{(i - \phi_{\text{mob}}) \cdot \pi}{180} \right) \right)}$$

$$\text{ex } 18.88591 \text{kN/m}^3 = \frac{4 \cdot 0.30 \text{kN/m}^2 \cdot \sin \left( \frac{64^\circ \cdot \pi}{180} \right) \cdot \cos \left( \frac{12.33^\circ \cdot \pi}{180} \right)}{10 \text{m} \cdot \left( 1 - \cos \left( \frac{(64^\circ - 12.33^\circ) \cdot \pi}{180} \right) \right)}$$


28) Unit Weight of Soil given Weight of Wedge Open Calculator 


$$\text{fx } \gamma = \frac{W_{\text{we}}}{\frac{L \cdot h}{2}}$$

$$\text{ex } 18.35083 \text{kN/m}^3 = \frac{138.09 \text{kN}}{\frac{5 \text{m} \cdot 3.01 \text{m}}{2}}$$



29) Weight of Wedge of Soil [Open Calculator](#) 

 
$$W_{we} = \frac{L \cdot h \cdot \gamma}{2}$$

 
$$135.45\text{kN} = \frac{5\text{m} \cdot 3.01\text{m} \cdot 18\text{kN/m}^3}{2}$$










## Variables Used

- **c** Cohesion in Soil (Pascal)
- **C<sub>eff</sub>** Effective Cohesion in Geotech as Kilopascal (Kilopascal)
- **c<sub>m</sub>** Mobilized Cohesion in Soil Mechanics (Kilonewton per Square Meter)
- **C<sub>mob</sub>** Mobilized Cohesion in Kilopascal (Kilopascal)
- **C<sub>s</sub>** Cohesion of Soil (Kilopascal)
- **F<sub>c</sub>** Cohesive Force in KN (Kilonewton)
- **F<sub>s</sub>** Factor of Safety in Soil Mechanics
- **h** Height of Wedge (Meter)
- **H** Height from Toe of Wedge to Top of Wedge (Meter)
- **i** Angle of Inclination to Horizontal in Soil (Degree)
- **L** Length of Slip Plane (Meter)
- **T<sub>f</sub>** Shear Strength of Soil (Pascal)
- **W** Weight of Wedge (Kilogram)
- **W<sub>we</sub>** Weight of Wedge in Kilonewton (Kilonewton)
- **W<sub>wedge</sub>** Weight of Wedge in Newton (Newton)
- **γ** Unit Weight of Soil (Kilonewton per Cubic Meter)
- **γ<sub>w</sub>** Unit Weight of Water in Soil Mechanics (Newton per Cubic Meter)
- **ζ<sub>soil</sub>** Shear Strength (Megapascal)
- **ζ<sub>soil</sub>** Shear Stress of Soil in Megapascal (Megapascal)
- **θ** Slope Angle (Degree)
- **θ<sub>cr</sub>** Critical Slope Angle in Soil Mechanics (Degree)
- **θ<sub>i</sub>** Angle of Inclination in Soil Mechanics (Degree)
- **θ<sub>slope</sub>** Slope Angle in Soil Mechanics (Degree)
- **σ<sub>effn</sub>** Effective Normal Stress of Soil in Megapascal (Megapascal)
- **τ<sub>s</sub>** Average Shear Stress on Shear Plane in Soil Mech (Newton per Square Meter)
- **φ** Angle of Internal Friction (Degree)
- **Φ<sub>i</sub>** Angle of Internal Friction of Soil (Degree)
- **Φ<sub>m</sub>** Angle of Mobilized Friction (Degree)
- **Φ<sub>mob</sub>** Angle of Mobilized Friction in Soil Mechanics (Degree)






















## Constants, Functions, Measurements used

- **Constant:**  $\pi$ , 3.14159265358979323846264338327950288  
Archimedes' constant
- **Function:** **acos**,  $\text{acos}(\text{Number})$   
The inverse cosine function, is the inverse function of the cosine function. It is the function that takes a ratio as an input and returns the angle whose cosine is equal to that ratio.
- **Function:** **asin**,  $\text{asin}(\text{Number})$   
The inverse sine function, is a trigonometric function that takes a ratio of two sides of a right triangle and outputs the angle opposite the side with the given ratio.
- **Function:** **atan**,  $\text{atan}(\text{Number})$   
Inverse tan is used to calculate the angle by applying the tangent ratio of the angle, which is the opposite side divided by the adjacent side of the right triangle.
- **Function:** **cos**,  $\text{cos}(\text{Angle})$   
Cosine of an angle is the ratio of the side adjacent to the angle to the hypotenuse of the triangle.
- **Function:** **cosec**,  $\text{cosec}(\text{Angle})$   
The cosecant function is a trigonometric function that is the reciprocal of the sine function.
- **Function:** **sec**,  $\text{sec}(\text{Angle})$   
Secant is a trigonometric function that is defined ratio of the hypotenuse to the shorter side adjacent to an acute angle (in a right-angled triangle); the reciprocal of a cosine.
- **Function:** **sin**,  $\text{sin}(\text{Angle})$   
Sine is a trigonometric function that describes the ratio of the length of the opposite side of a right triangle to the length of the hypotenuse.
- **Function:** **tan**,  $\text{tan}(\text{Angle})$   
The tangent of an angle is a trigonometric ratio of the length of the side opposite an angle to the length of the side adjacent to an angle in a right triangle.
- **Measurement:** **Length** in Meter (m)  
Length Unit Conversion 
- **Measurement:** **Weight** in Kilogram (kg)  
Weight Unit Conversion 
- **Measurement:** **Pressure** in Kilopascal (kPa), Megapascal (MPa), Kilonewton per Square Meter (kN/m<sup>2</sup>), Pascal (Pa), Newton per Square Meter (N/m<sup>2</sup>)  
Pressure Unit Conversion 
- **Measurement:** **Force** in Kilonewton (kN), Newton (N)  
Force Unit Conversion 
- **Measurement:** **Angle** in Degree (°)  
Angle Unit Conversion 
- **Measurement:** **Specific Weight** in Kilonewton per Cubic Meter (kN/m<sup>3</sup>), Newton per Cubic Meter (N/m<sup>3</sup>)  
Specific Weight Unit Conversion 
- **Measurement:** **Stress** in Megapascal (MPa), Kilopascal (kPa)  
Stress Unit Conversion 



## Check other formula lists

- [Bearing Capacity for Strip Footing for C- \$\Phi\$  Soils Formulas](#) 
- [Bearing Capacity of Cohesive Soil Formulas](#) 
- [Bearing Capacity of Non-cohesive Soil Formulas](#) 
- [Bearing Capacity of Soils Formulas](#) 
- [Bearing Capacity of Soils: Meyerhof's Analysis Formulas](#) 
- [Foundation Stability Analysis Formulas](#) 
- [Atterberg Limits Formulas](#) 
- [Bearing Capacity of Soil: Terzaghi's Analysis Formulas](#) 
- [Compaction of Soil Formulas](#) 
- [Earth Moving Formulas](#) 
- [Lateral Pressure for Cohesive and Non Cohesive Soil Formulas](#) 
- [Minimum Depth of Foundation by Rankine's Analysis Formulas](#) 
- [Pile Foundations Formulas](#) 
- [Scraper Production Formulas](#) 
- [Seepage Analysis Formulas](#) 
- [Slope Stability Analysis using Bishops Method Formulas](#) 
- [Slope Stability Analysis using Culman's Method Formulas](#) 
- [Soil Origin and Its Properties Formulas](#) 
- [Specific Gravity of Soil Formulas](#) 
- [Stability Analysis of Infinite Slopes in Prism Formulas](#) 
- [Vibration Control in Blasting Formulas](#) 
- [Void Ratio of Soil Sample Formulas](#) 
- [Water Content of Soil and Related Formulas](#) 

Feel free to SHARE this document with your friends!

## PDF Available in

[English](#) [Spanish](#) [French](#) [German](#) [Russian](#) [Italian](#) [Portuguese](#) [Polish](#) [Dutch](#)

7/8/2024 | 7:54:36 AM UTC

[Please leave your feedback here...](#)

