

Relation bw Angel of Friction and Repose

⇒ Angle of Limiting Friction (ϕ): -

An angle made by the total rxⁿ (R) with the normal rxⁿ (N) when F has reached F_{max}.

$$\tan \phi = \frac{F_{\max}}{N}$$

⇒ Angle of Repose :- (α)

The limiting angle up to which the grains (slope/rest) is called the angle of repose of the granular materials.