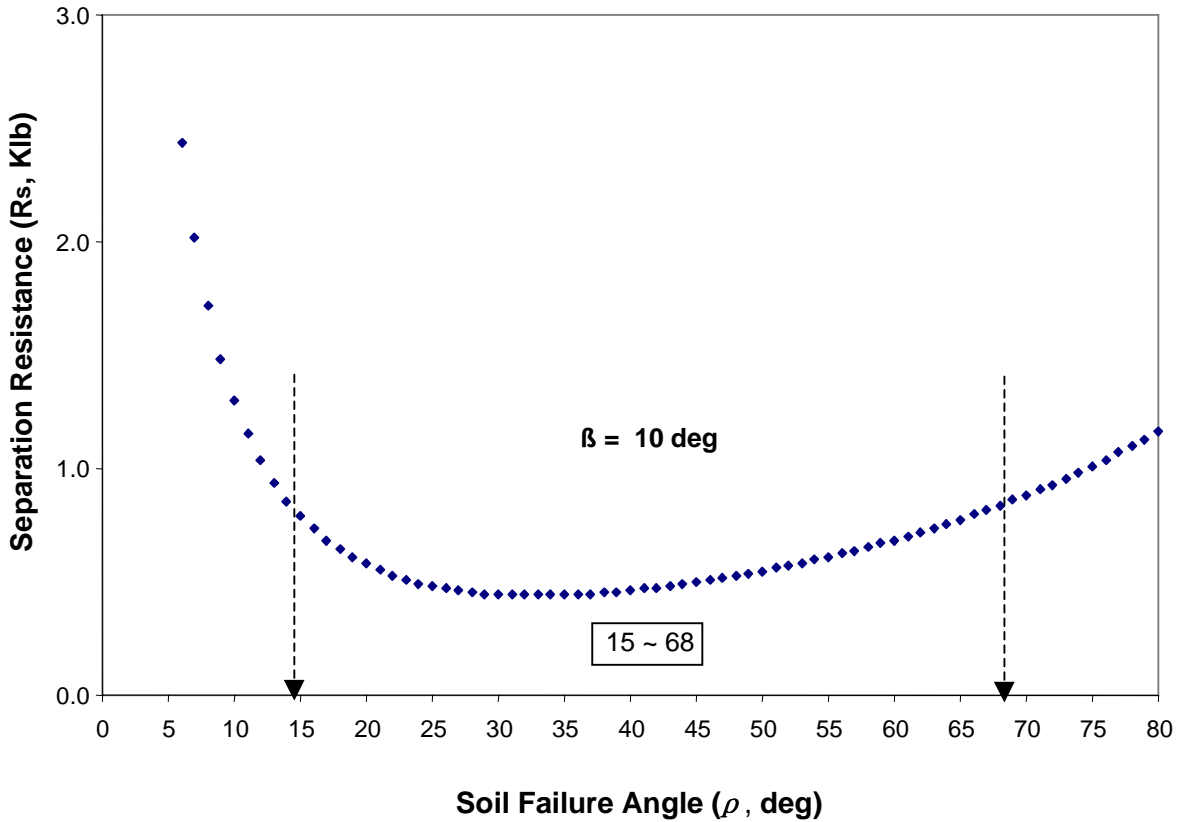


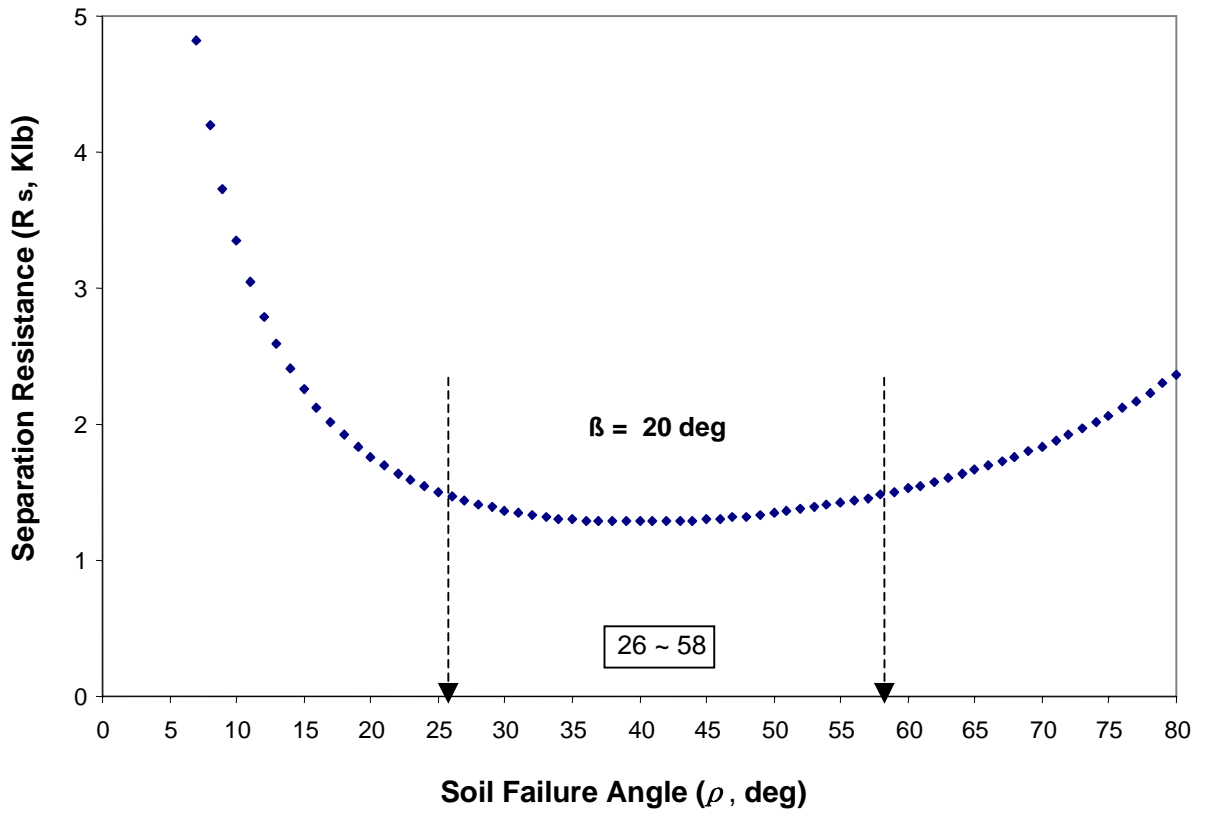
Appendix B

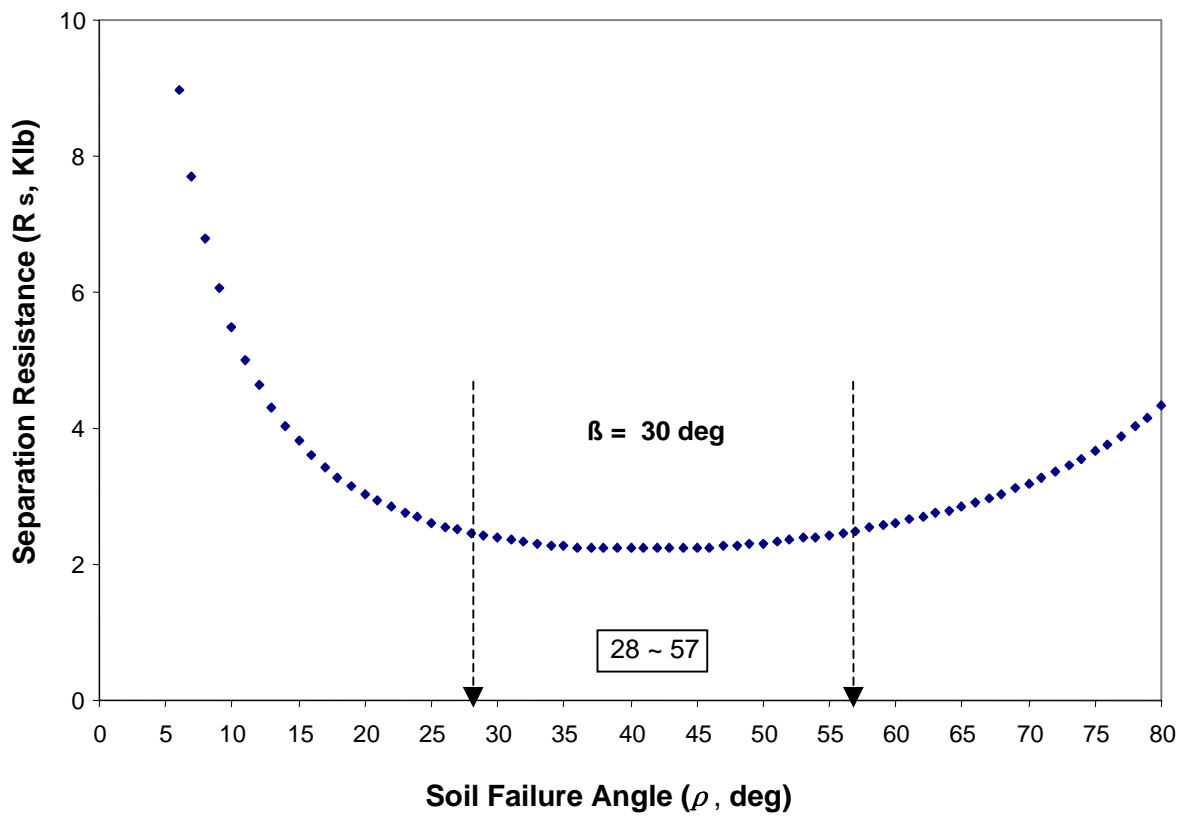
R_s (Separation Resistance)- ρ (Soil Failure Angle) Diagrams

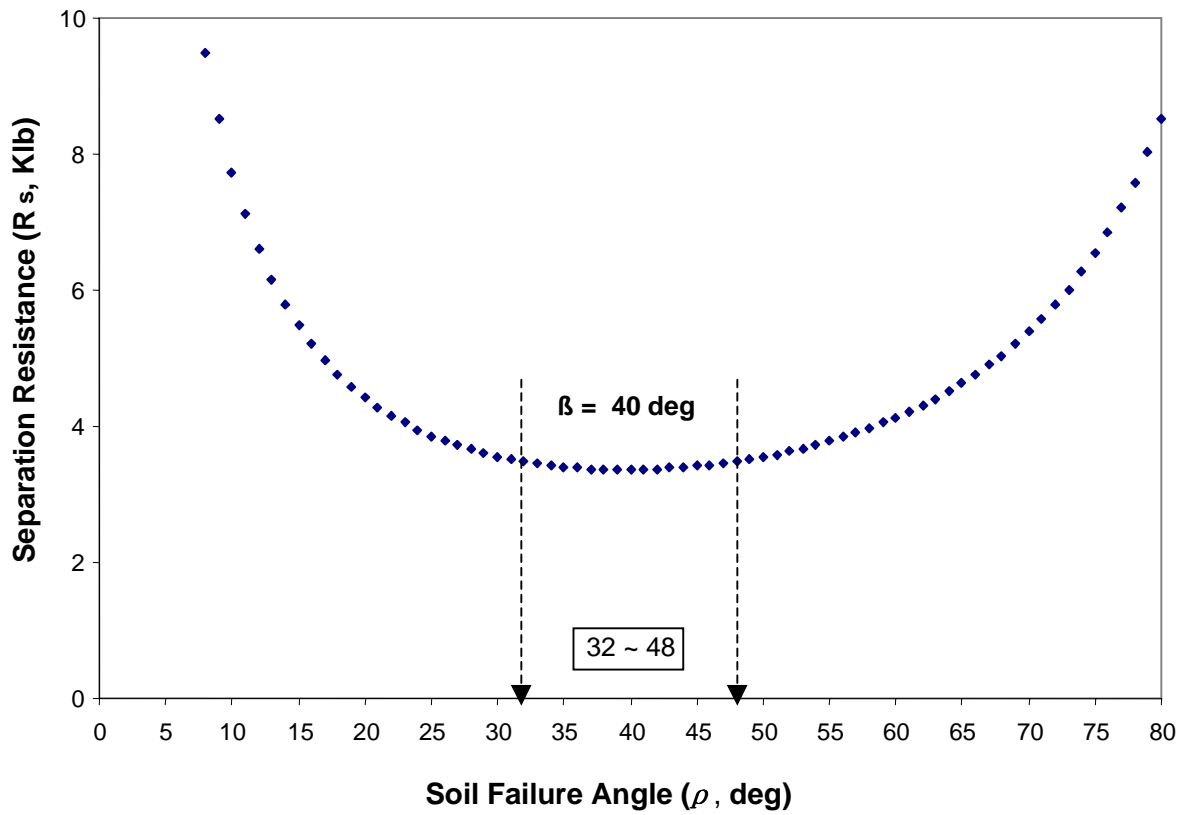
Soil Properties	
Φ (deg)	30
δ (deg)	15
c (psi)	2
ca (psi)	1
γ (lb/in ³)	0.05787037
K_o	1

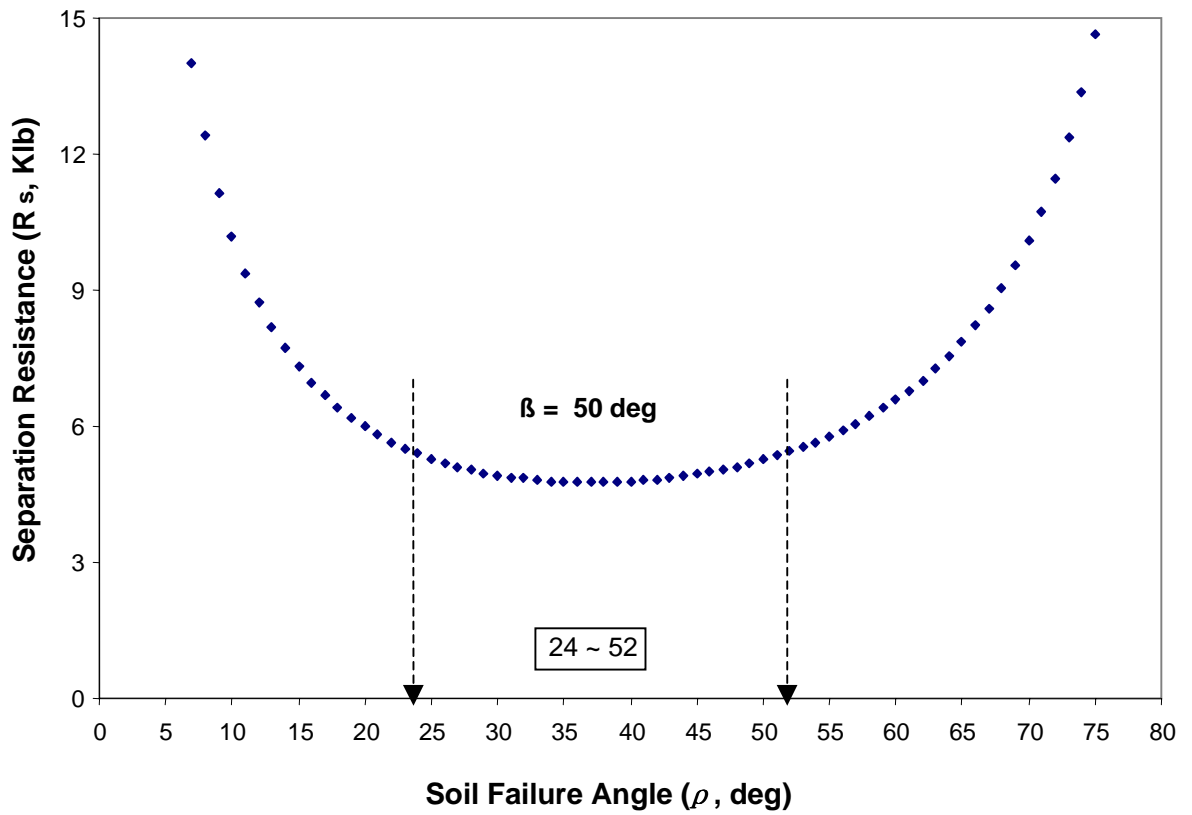


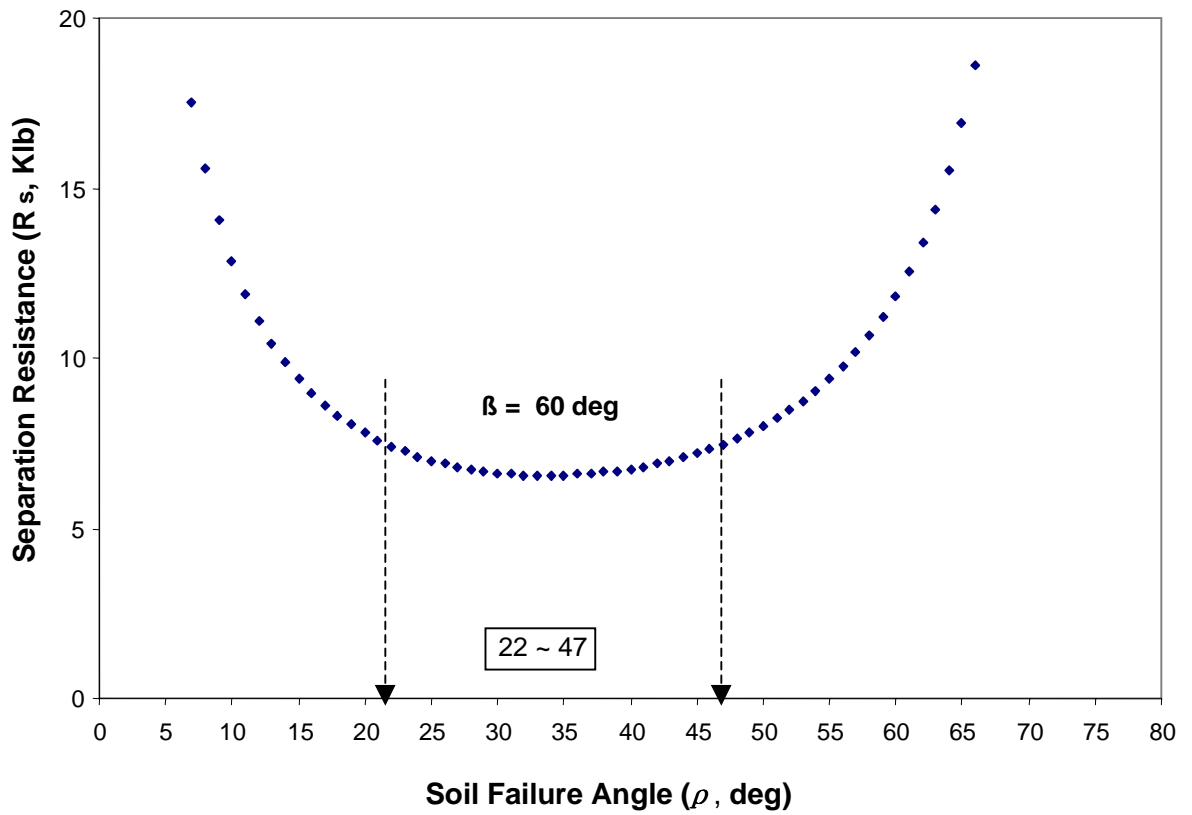
Soil Wedge Dimensions	
B (Blade width: in)	35
L (Soil-Contact Length: in)	22.2
D (Blade Depth: in = $L * \sin\beta$)	22.2
α (Slope Angle: deg)	0
z (Centroid of A2 from the Wedge Top: in)	7.4

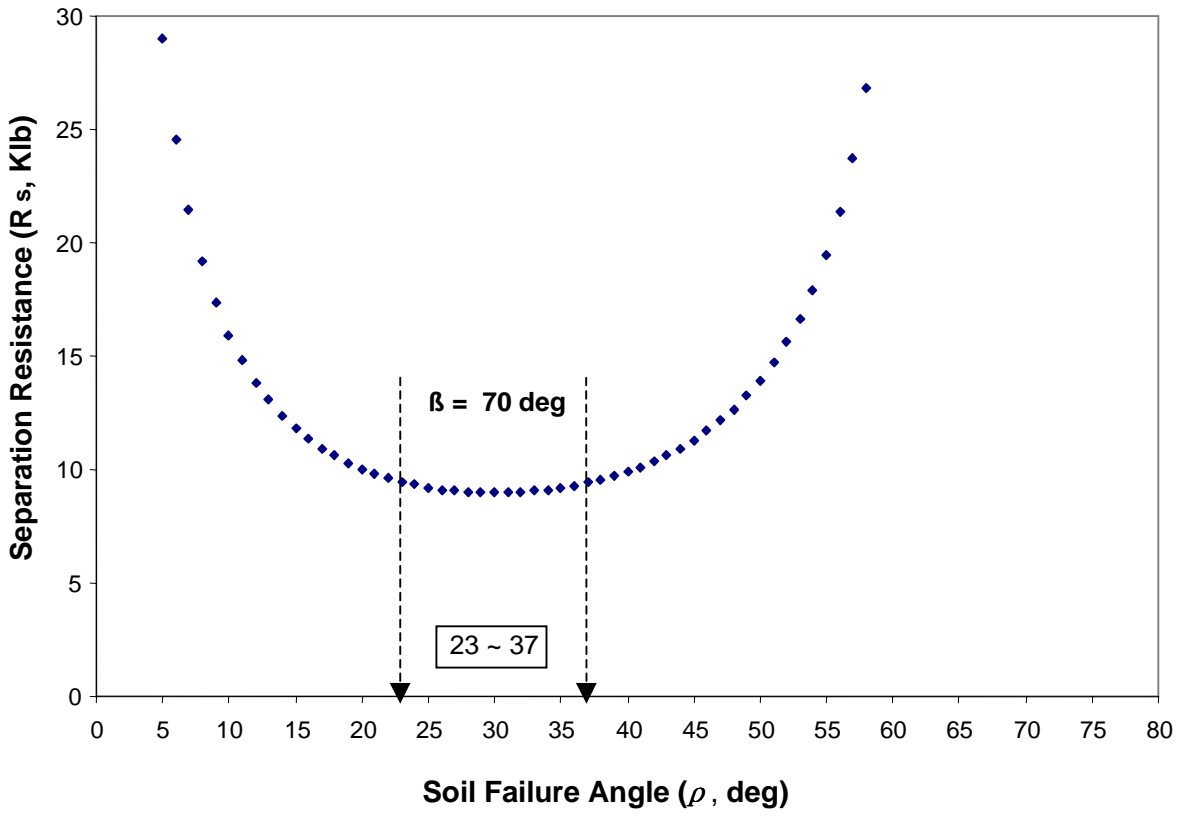


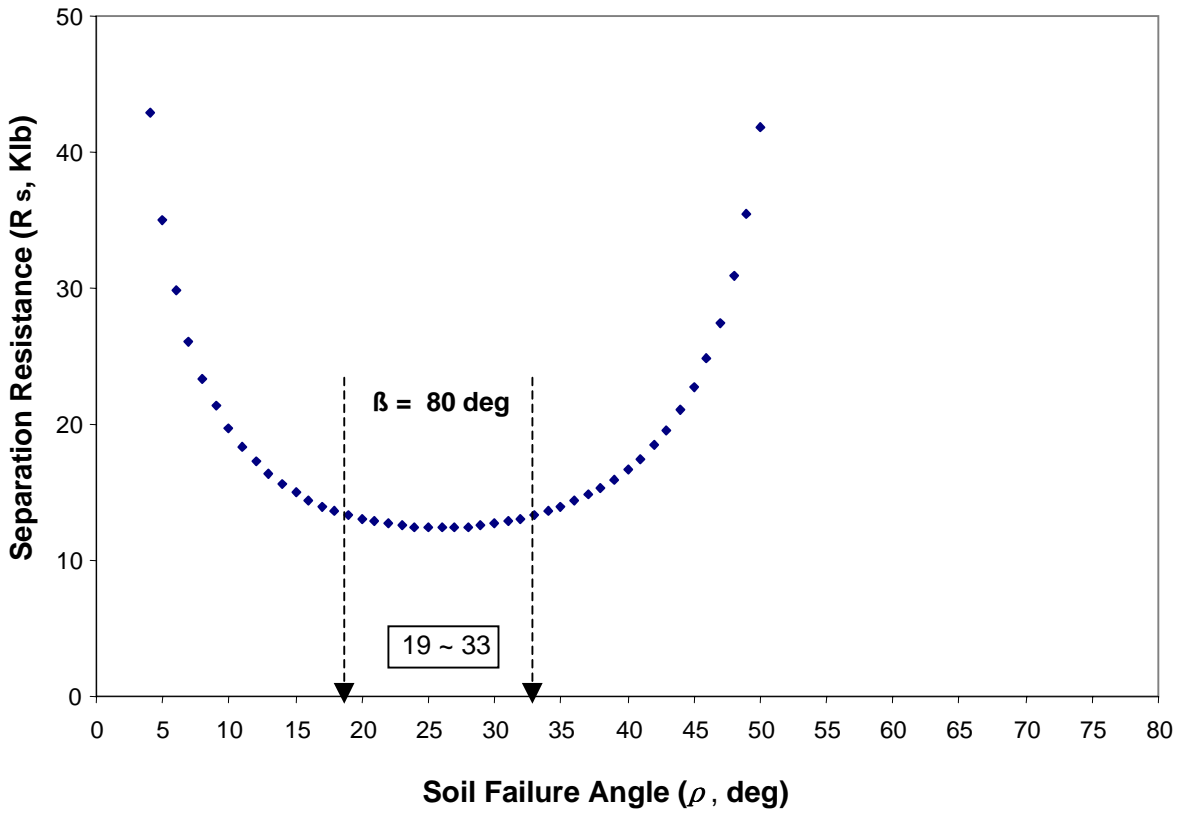


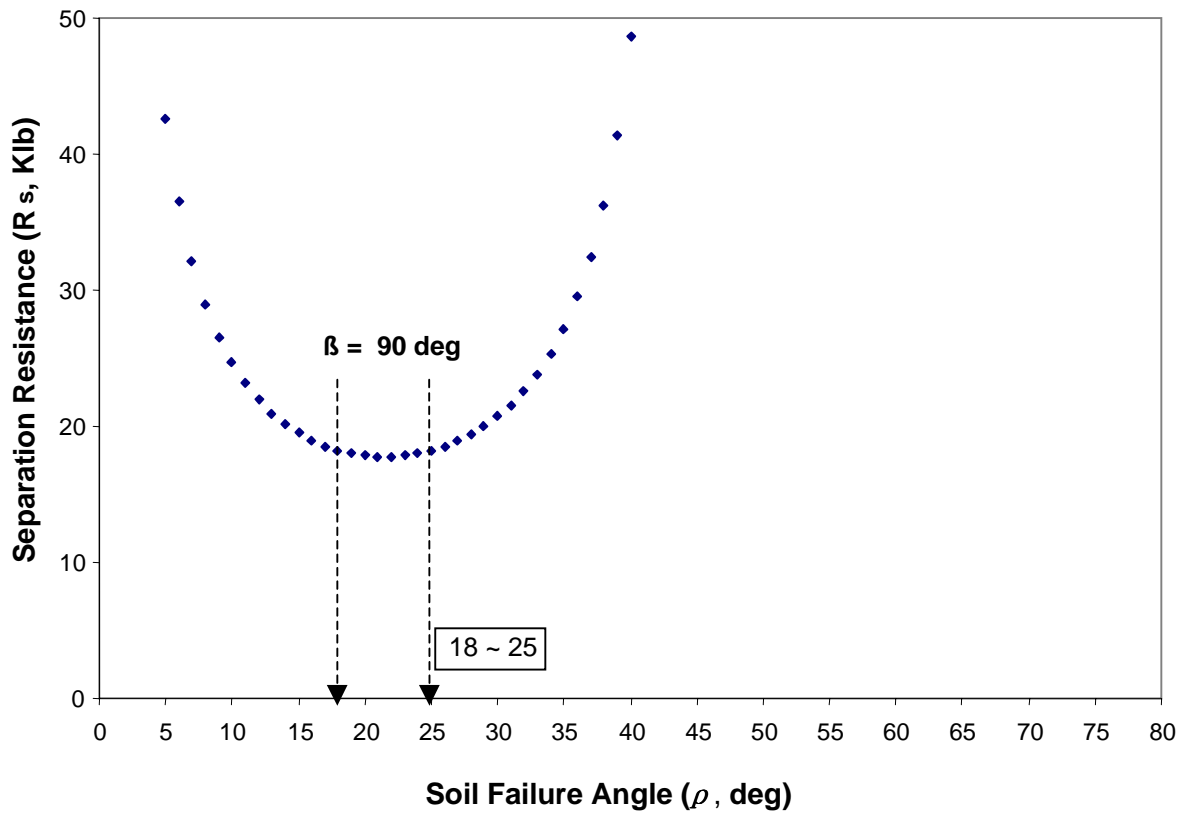


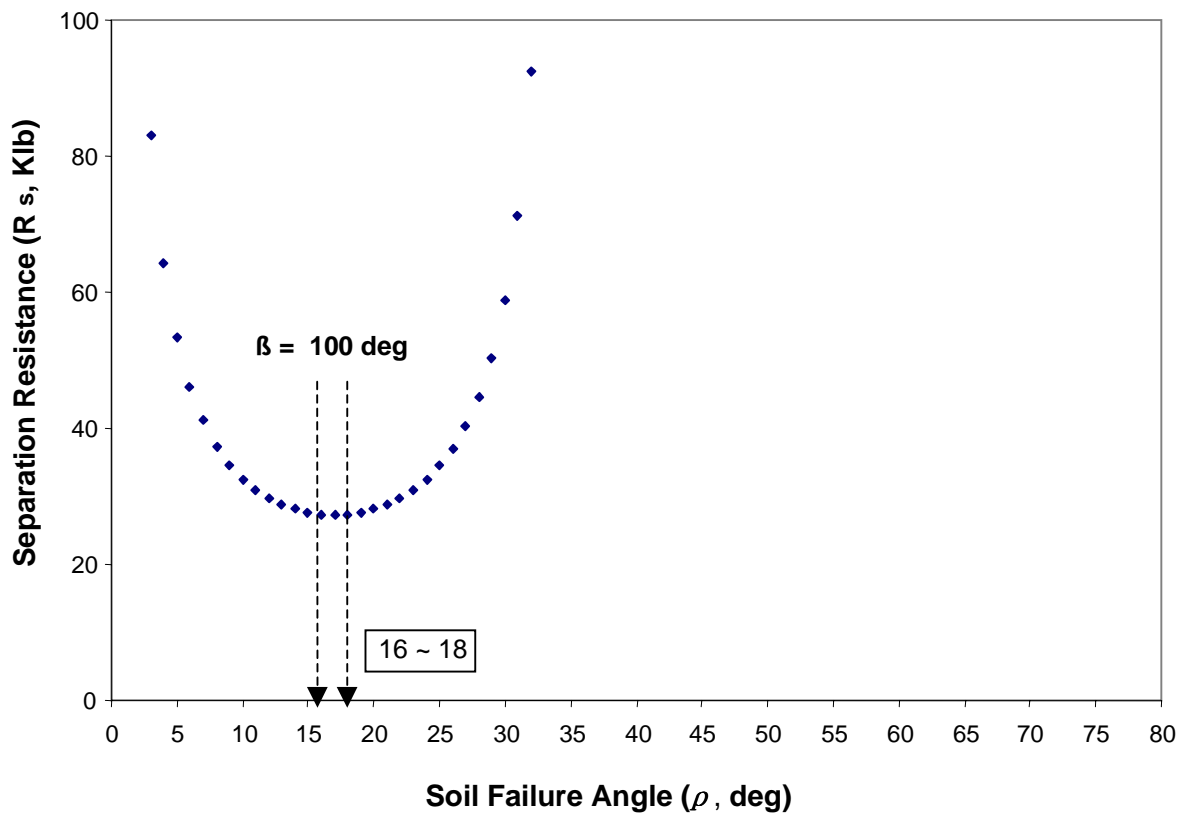


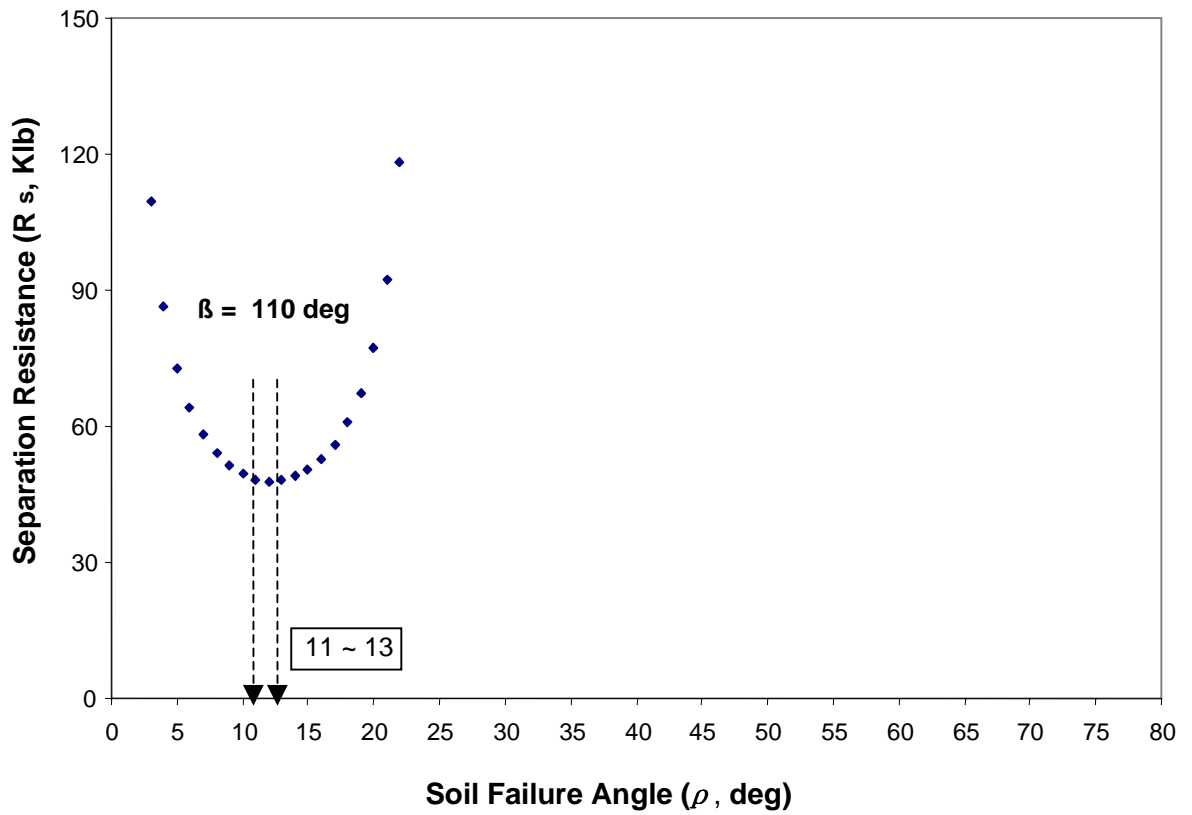


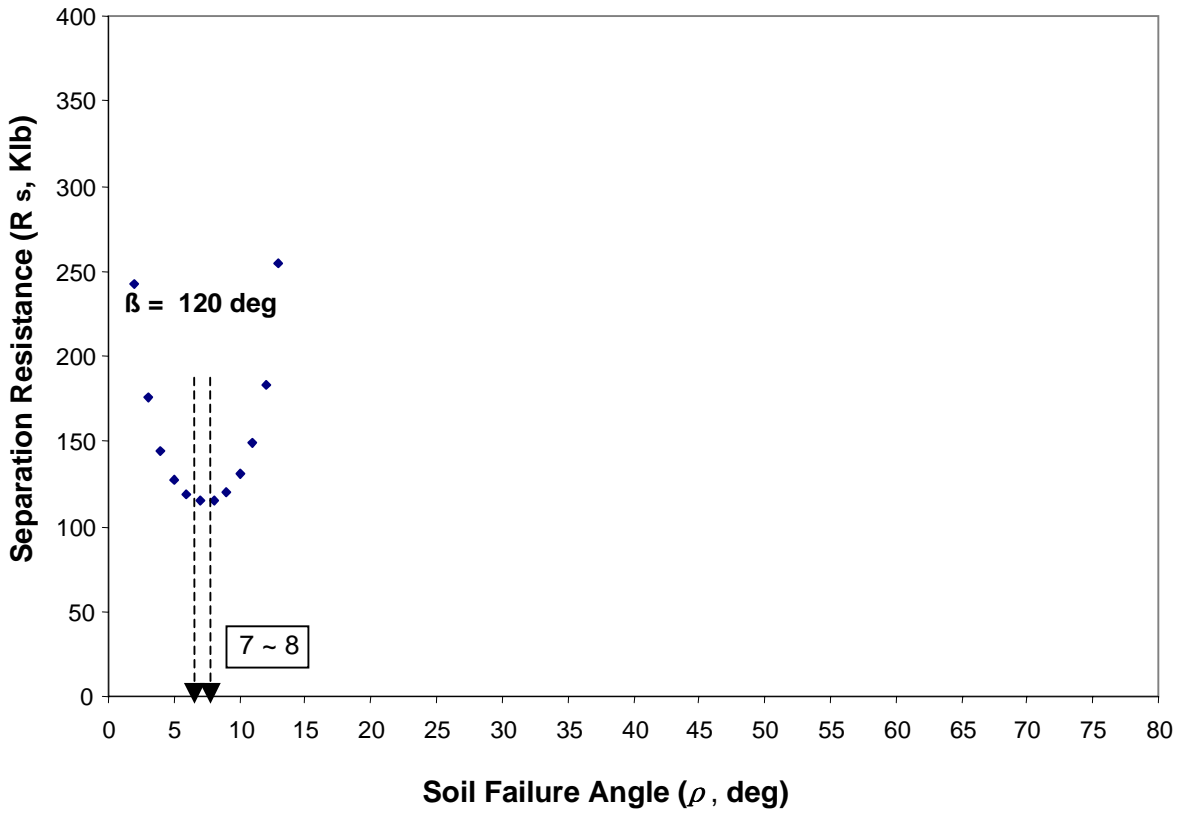




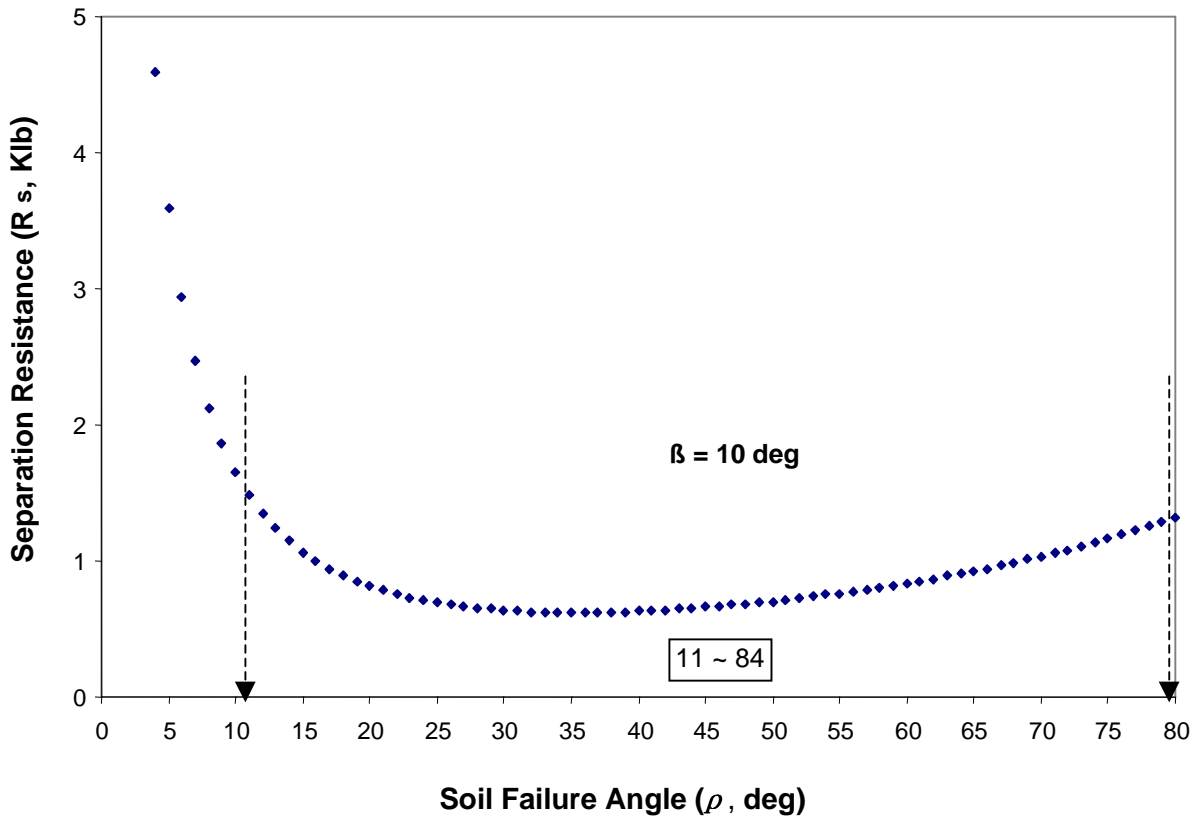




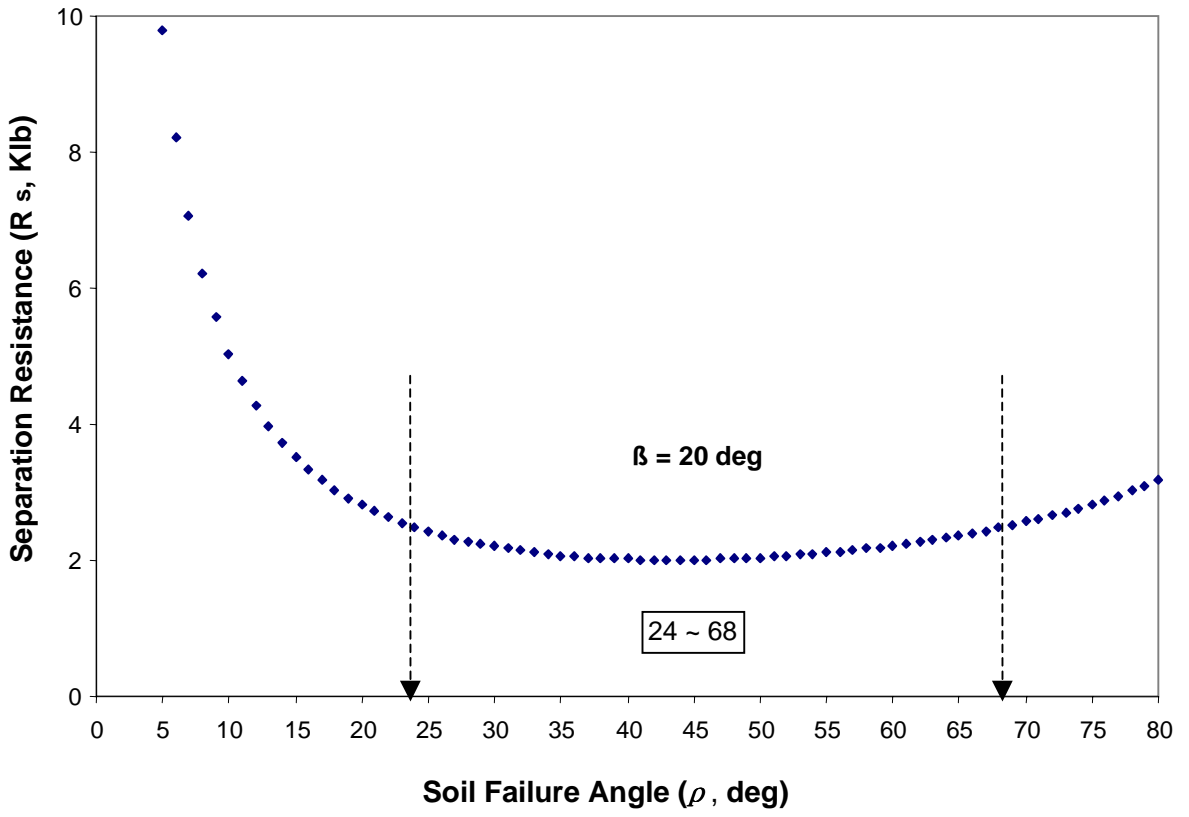


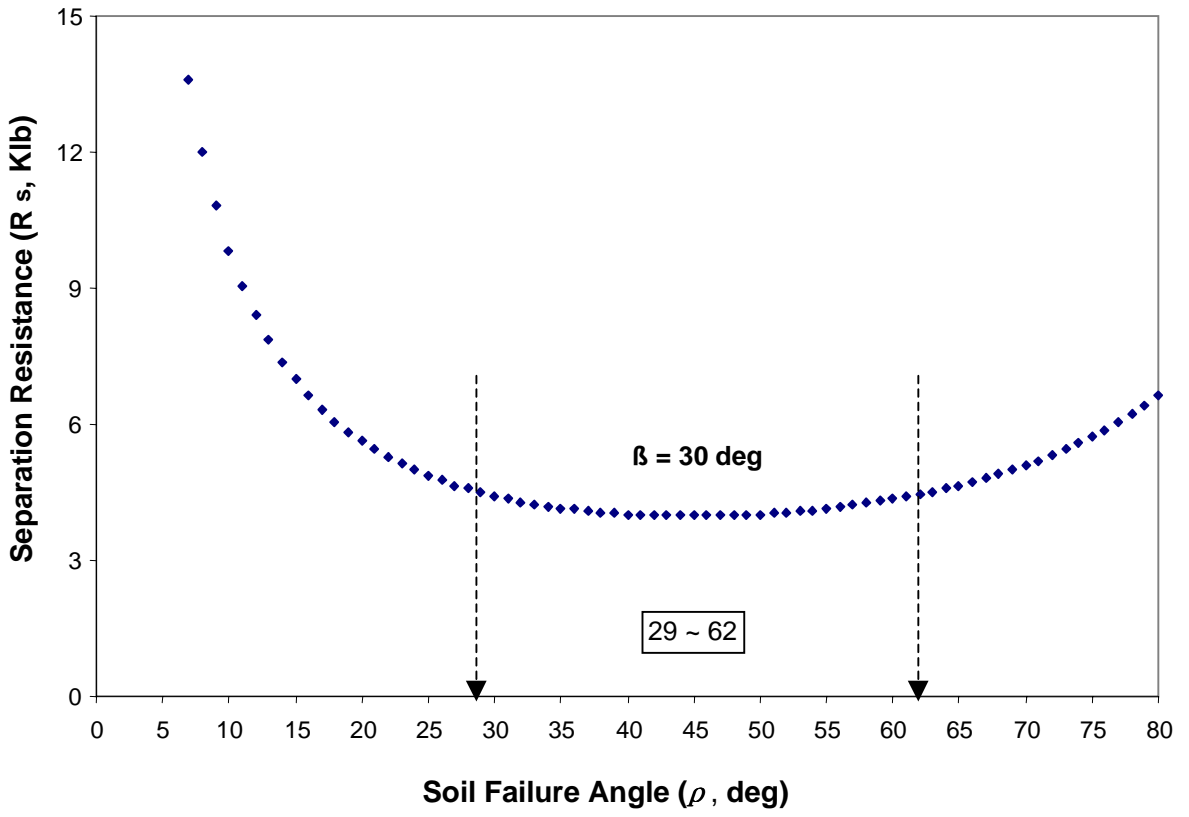


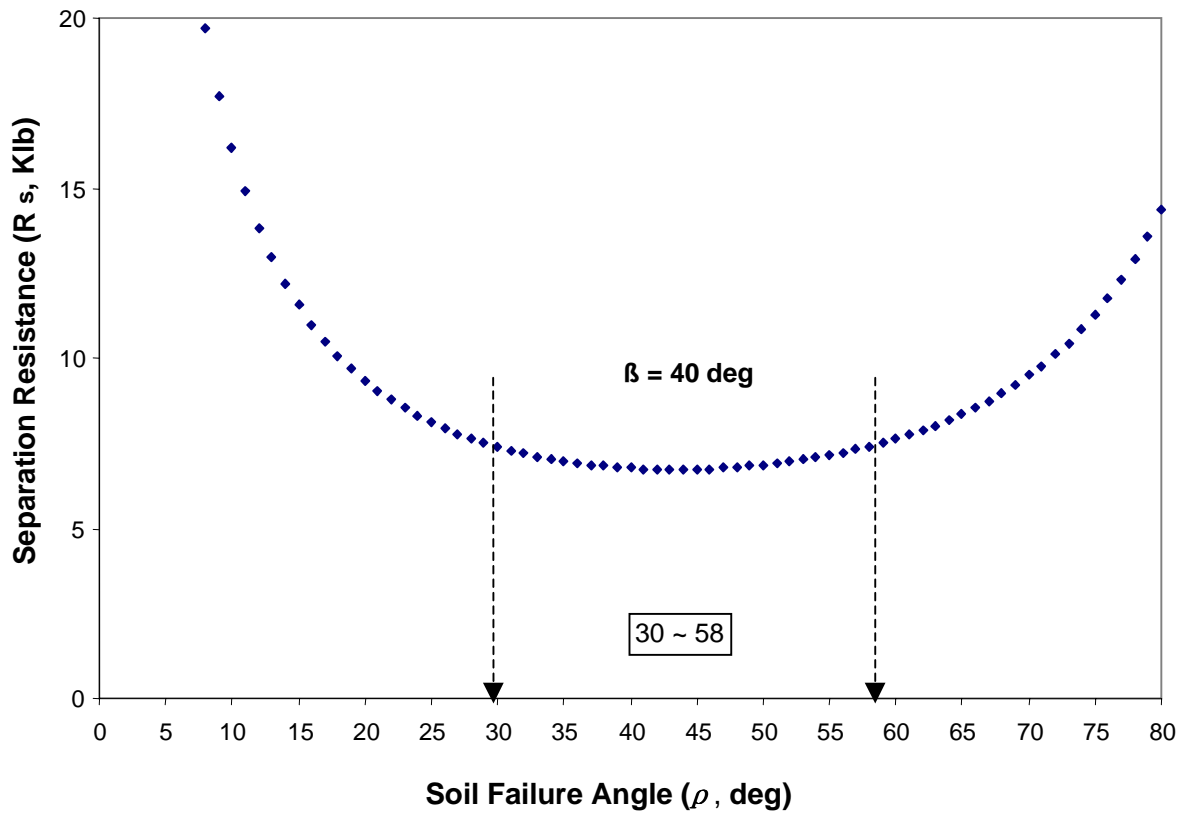
Soil Properties	
Φ (deg)	30
δ (deg)	15
c (psi)	2
ca (psi)	1
γ (lb/in ³)	0.05787037
K_0	1

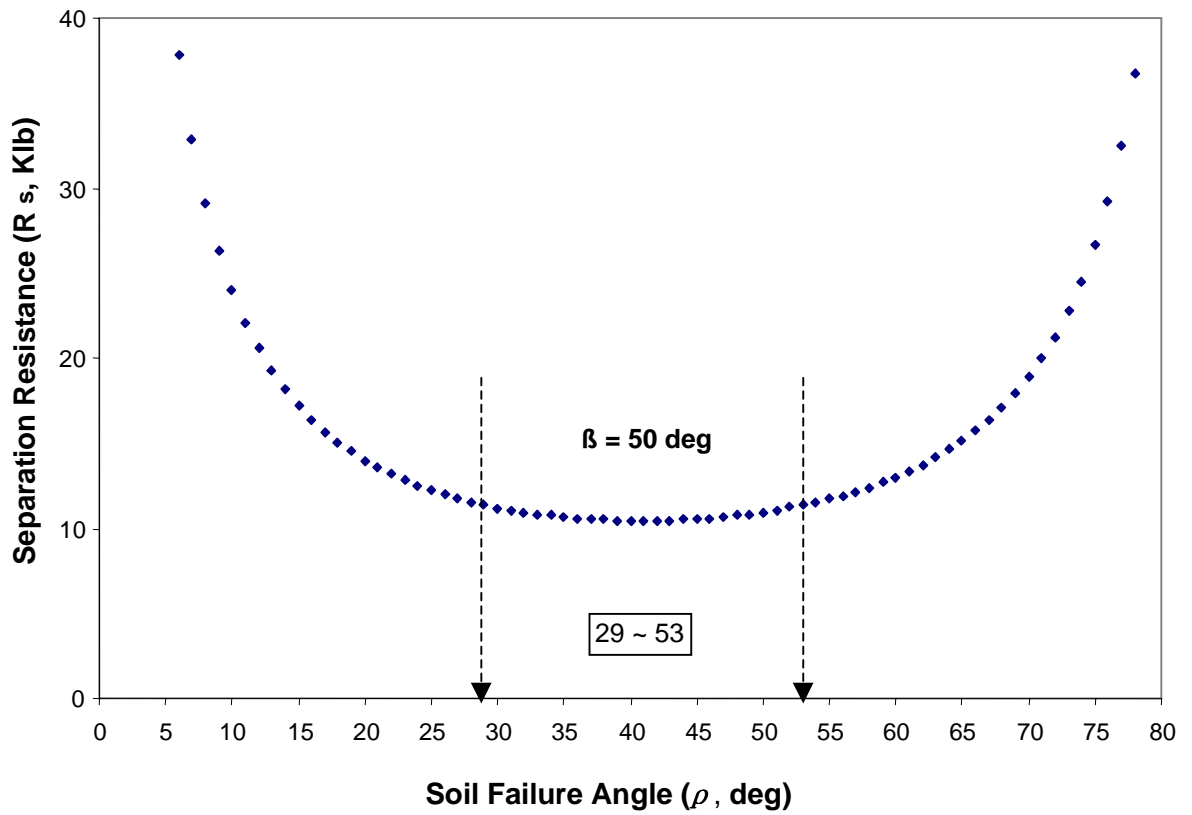


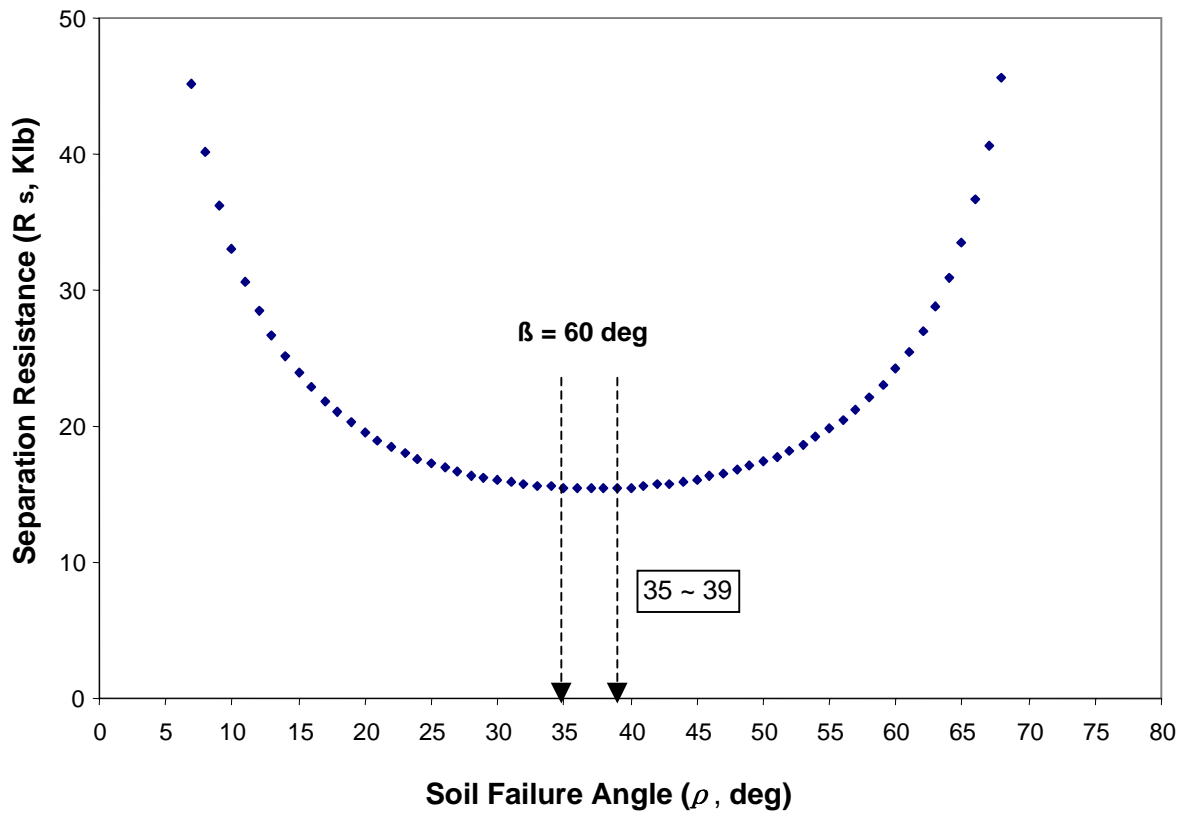
Soil Wedge Dimensions	
B (Blade width: in)	35
L (Soil-Contact Length: in)	22.2
D (Blade Depth: in = L * sin β)	21.86273212
α (Slope Angle: deg)	30
z (Centroid of A2 from the Wedge Top)	424.4587534

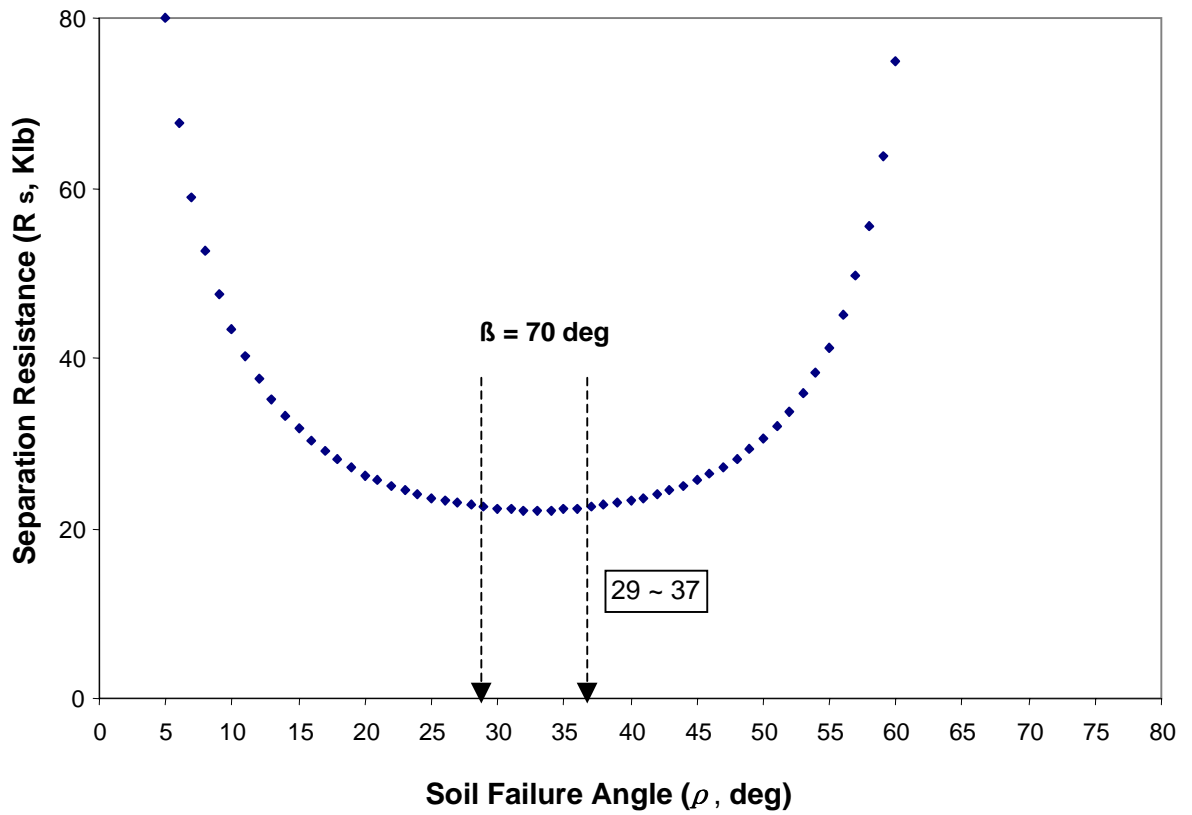


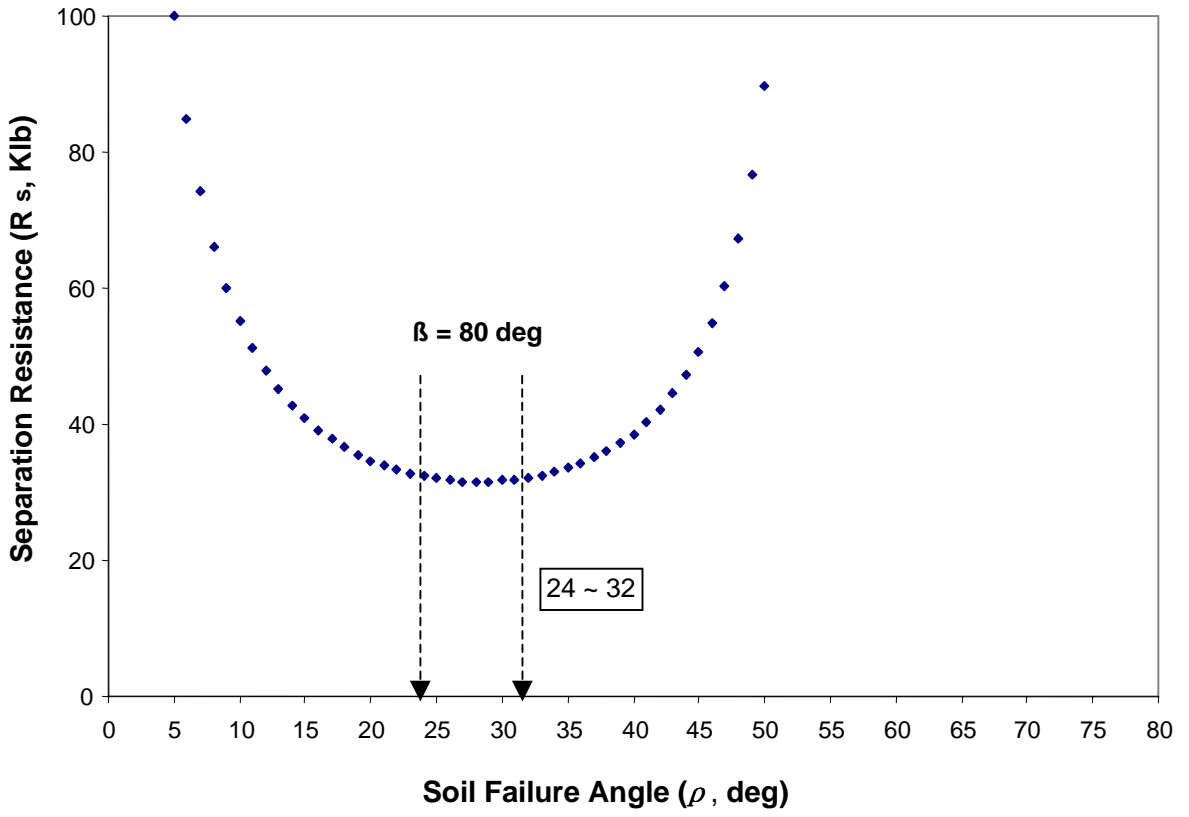


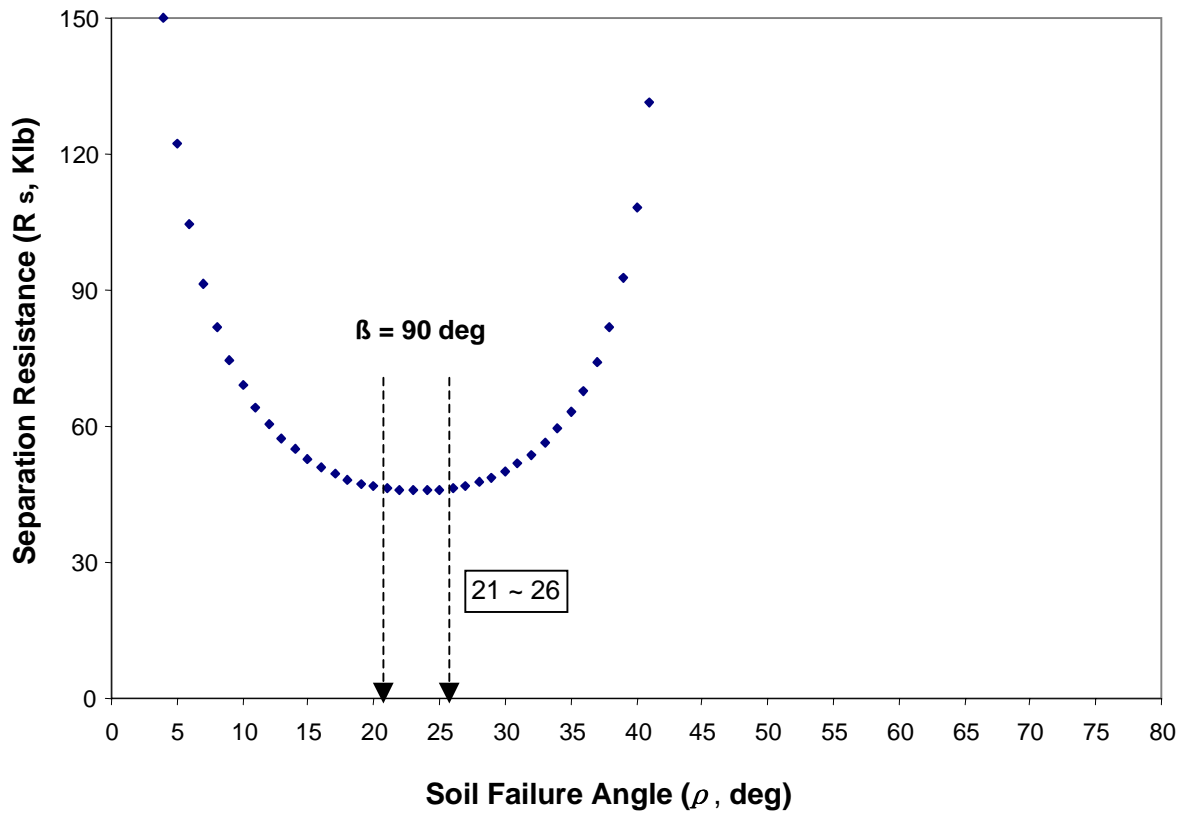


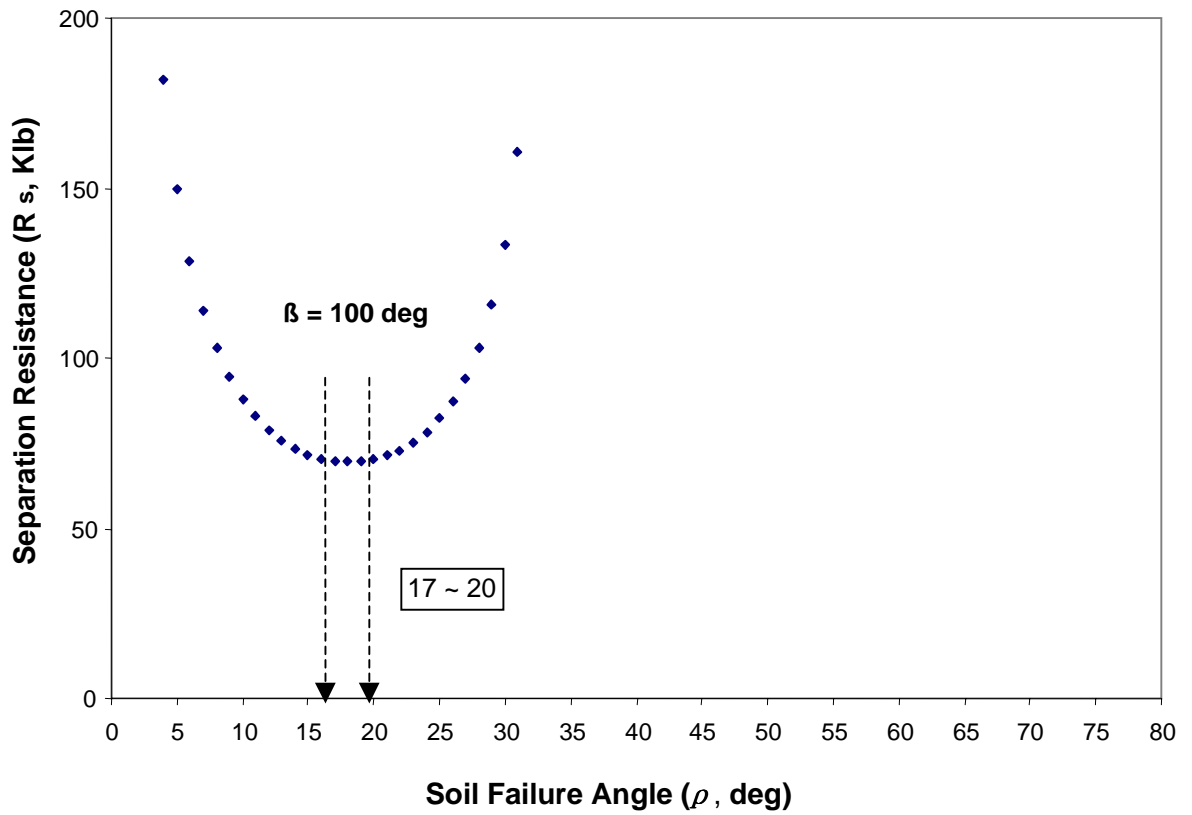


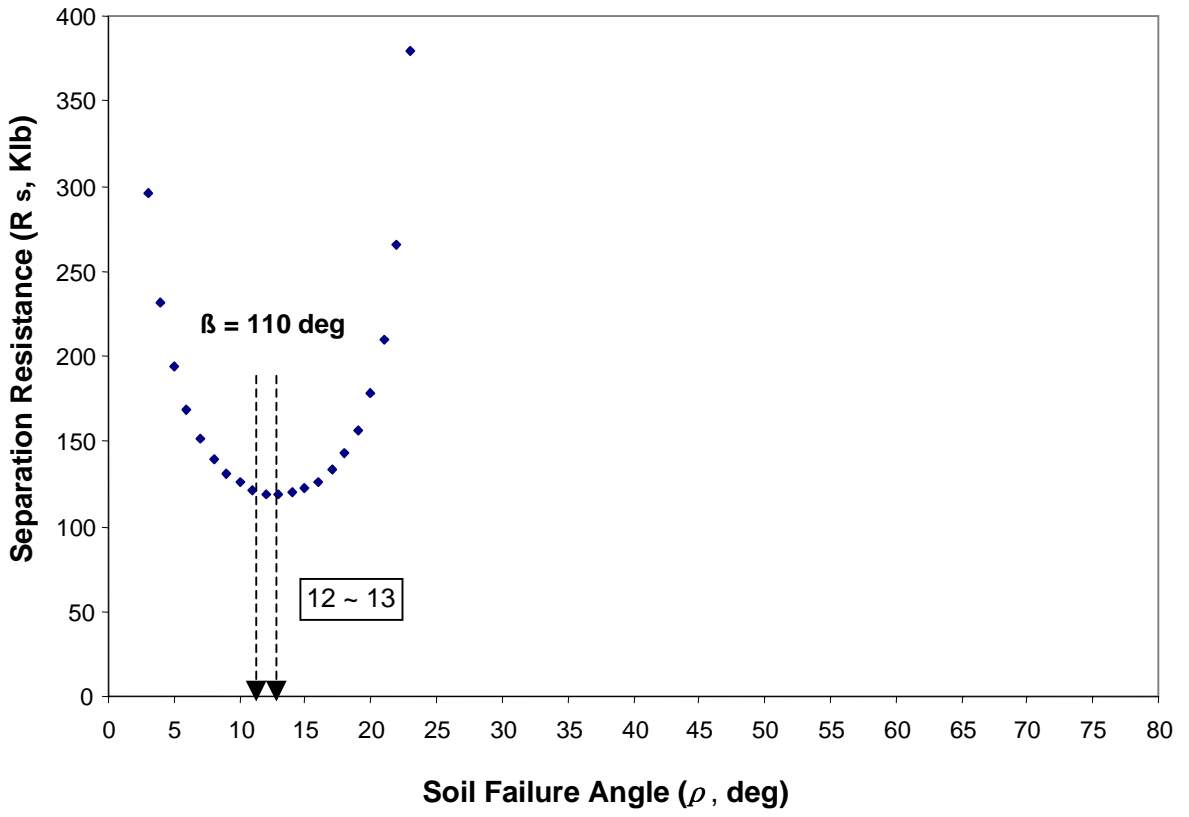


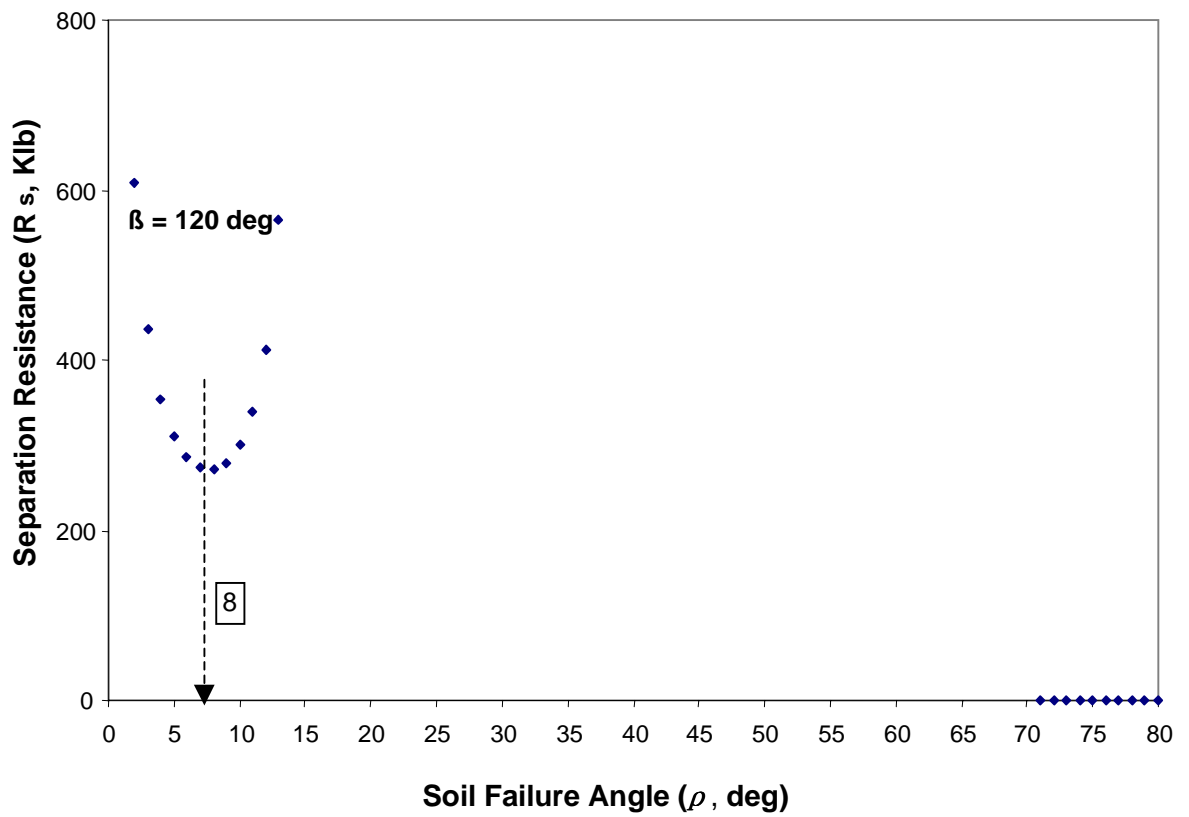




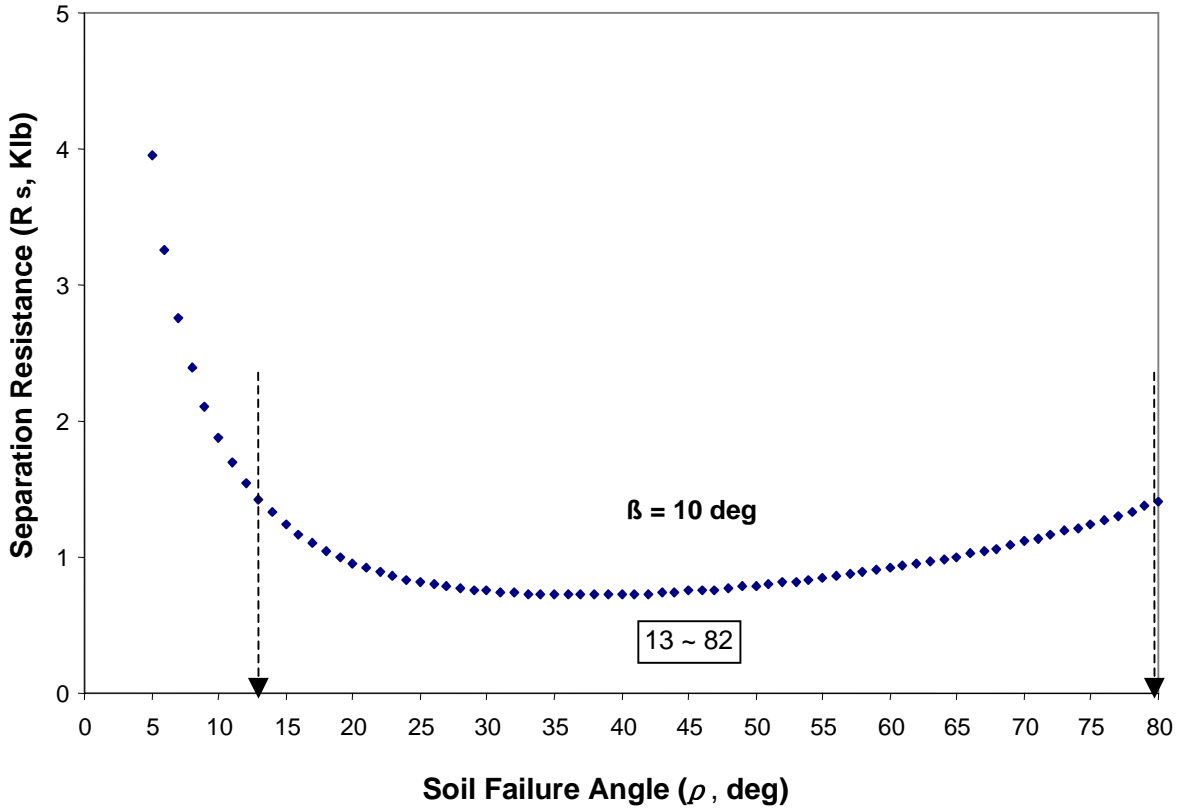




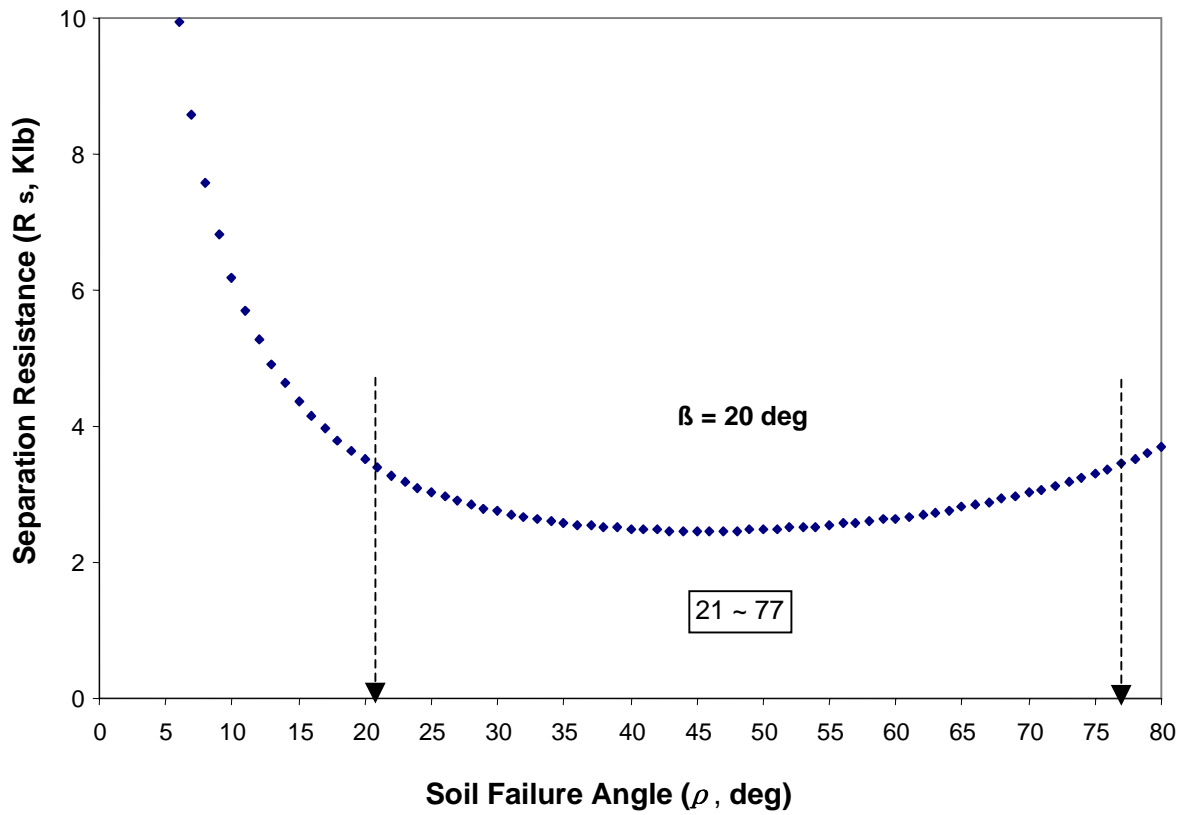


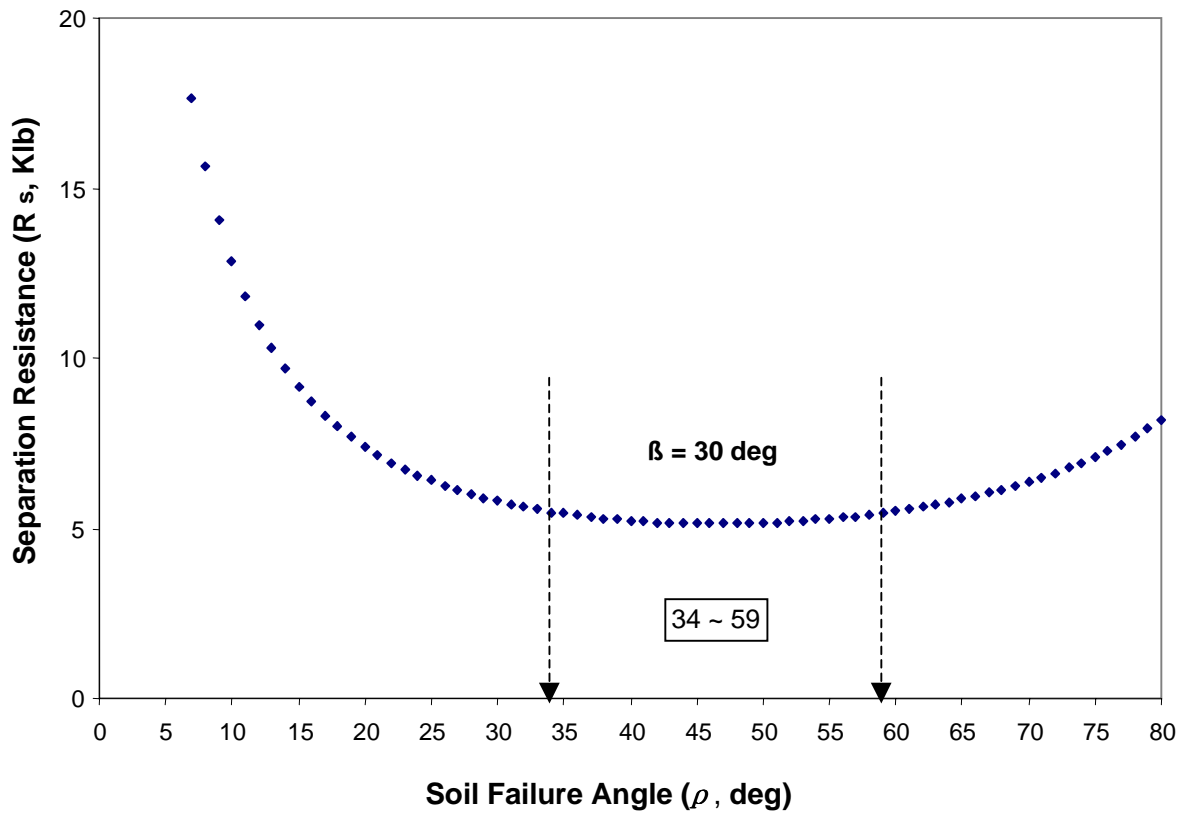


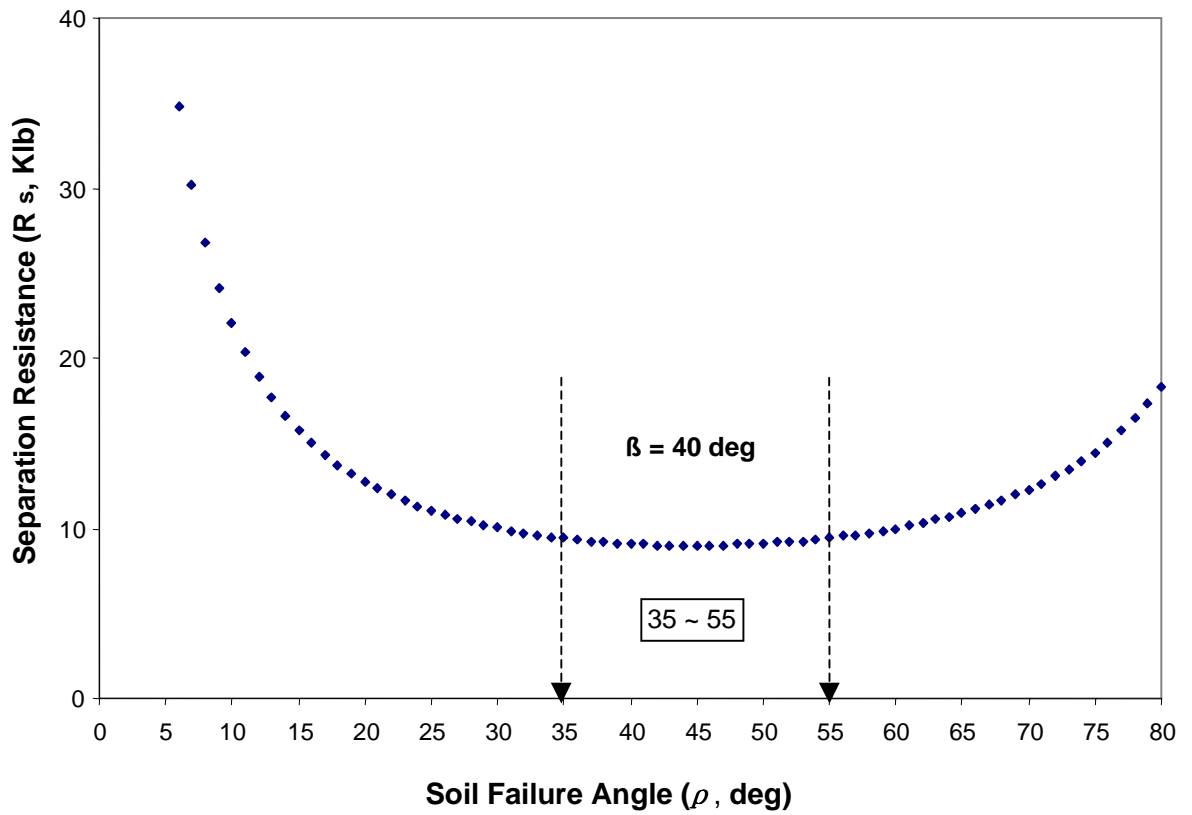
Soil Properties	
Φ (deg)	30
δ (deg)	15
c (psi)	2
ca (psi)	1
γ (lb/in ³)	0.05787037
Ko	1

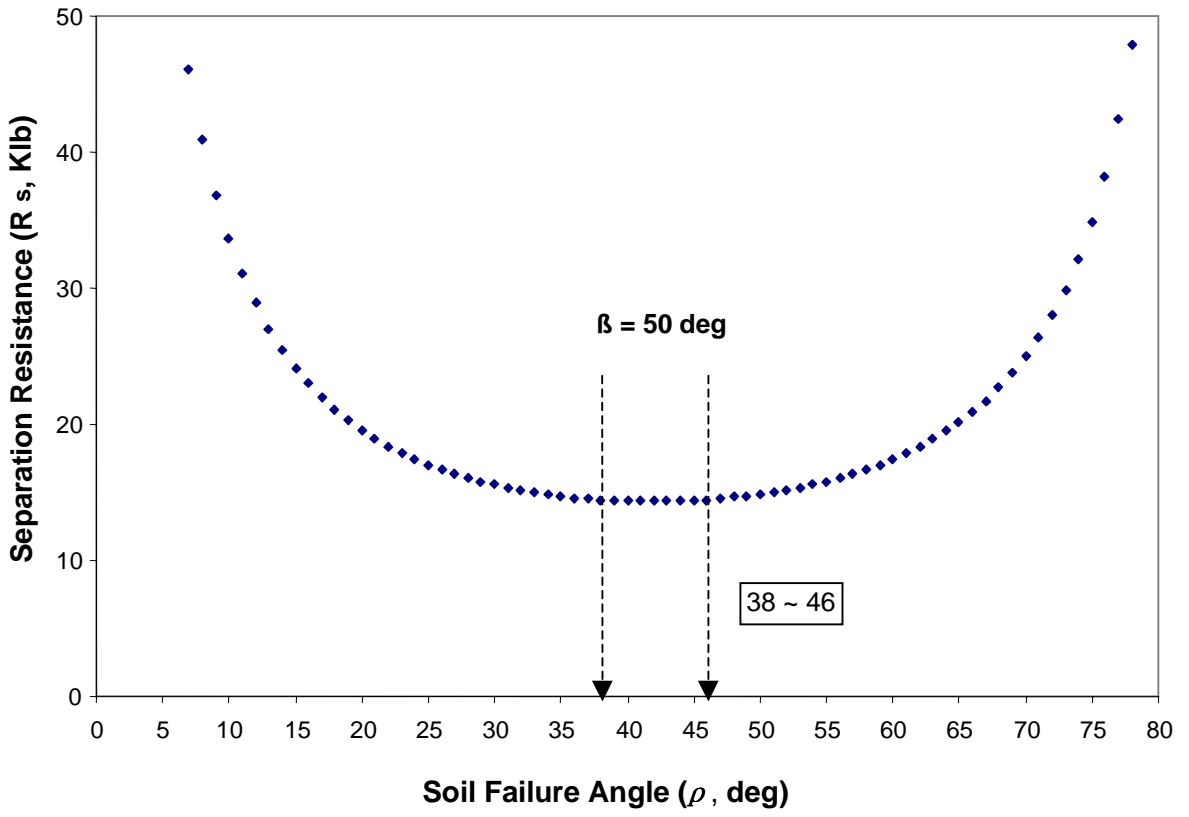


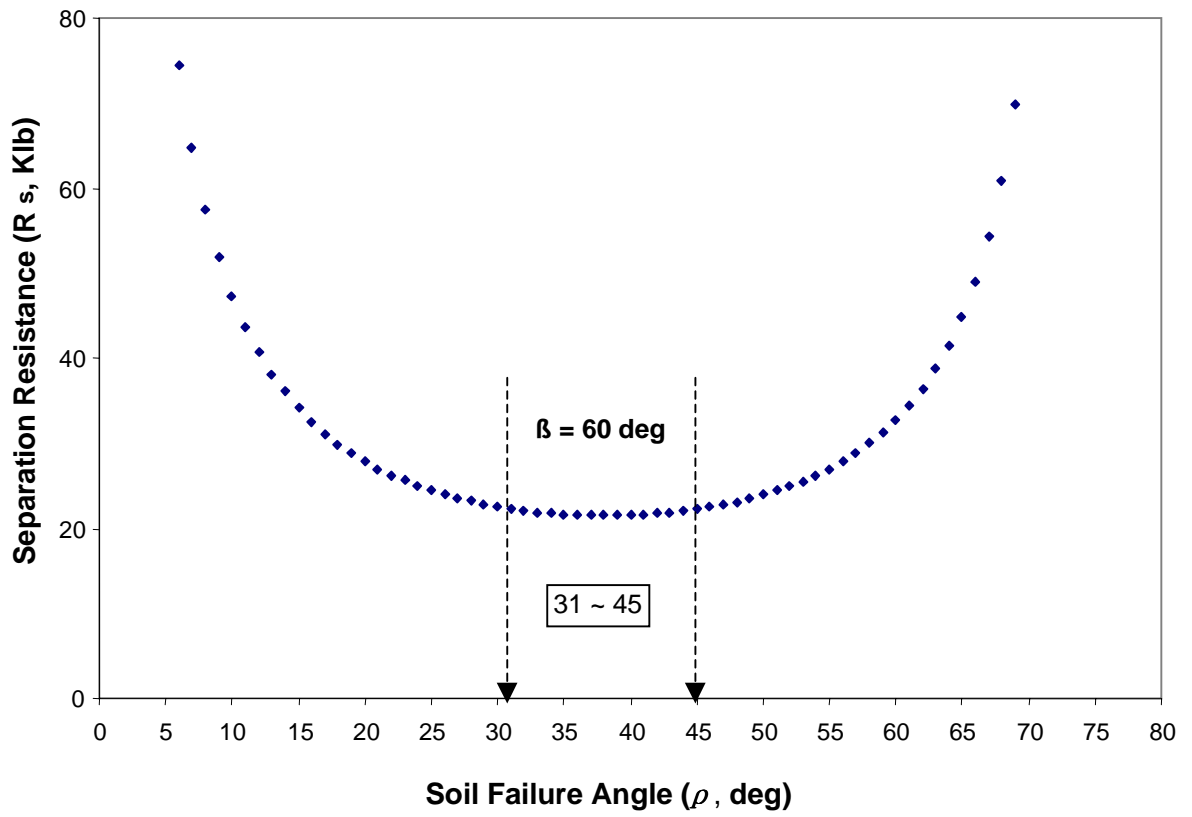
Soil Wedge Dimensions	
B (Blade width: in)	35
L (Soil-Contact Length: in)	22.2
D (Blade Depth: in = $L \cdot \sin \beta$)	3.854989544
α (Slope Angle: deg)	60
z (Centroid of A2 from the Wedge Top)	134.4628043

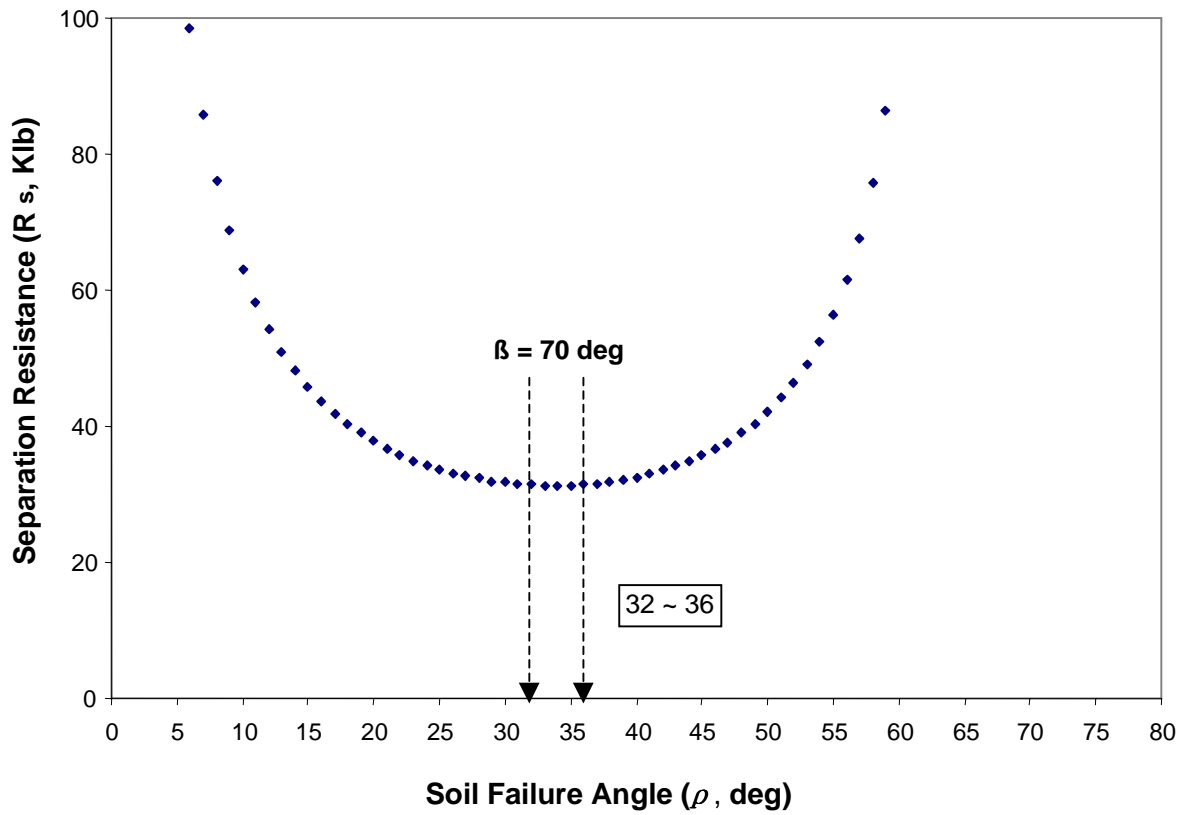


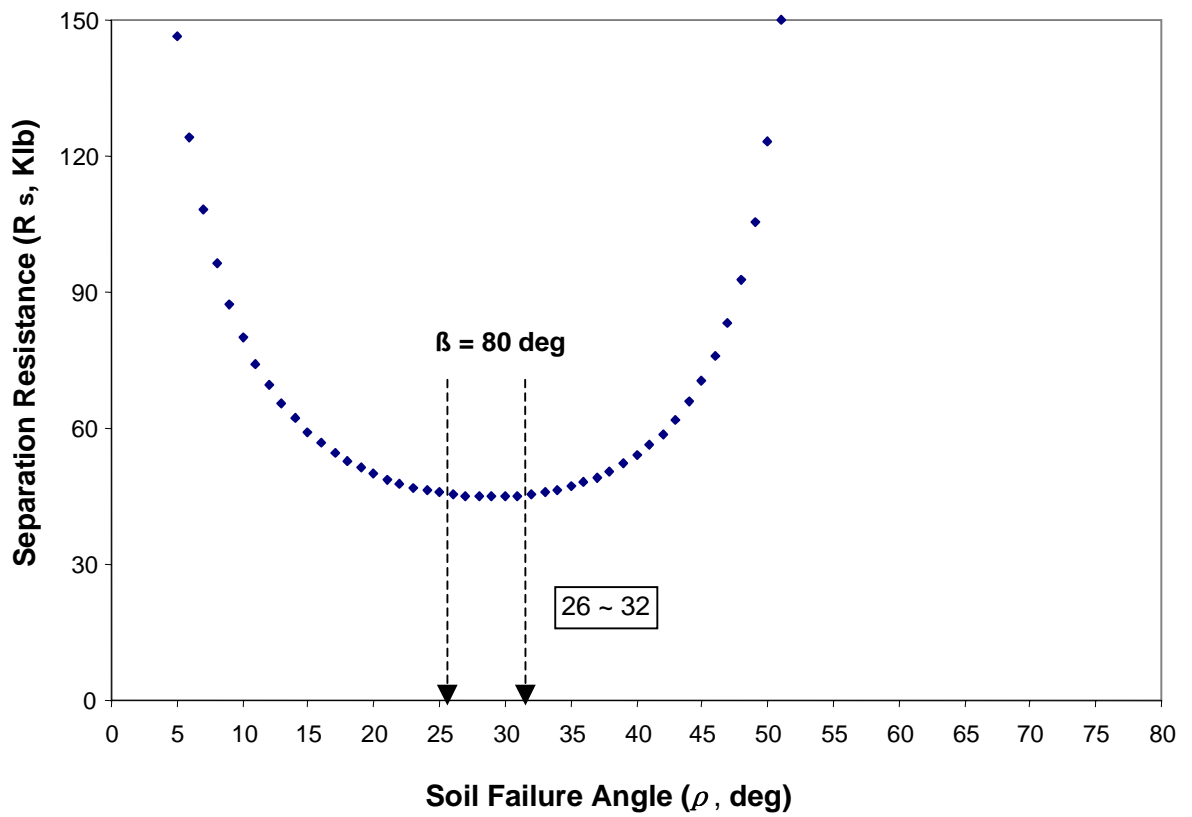


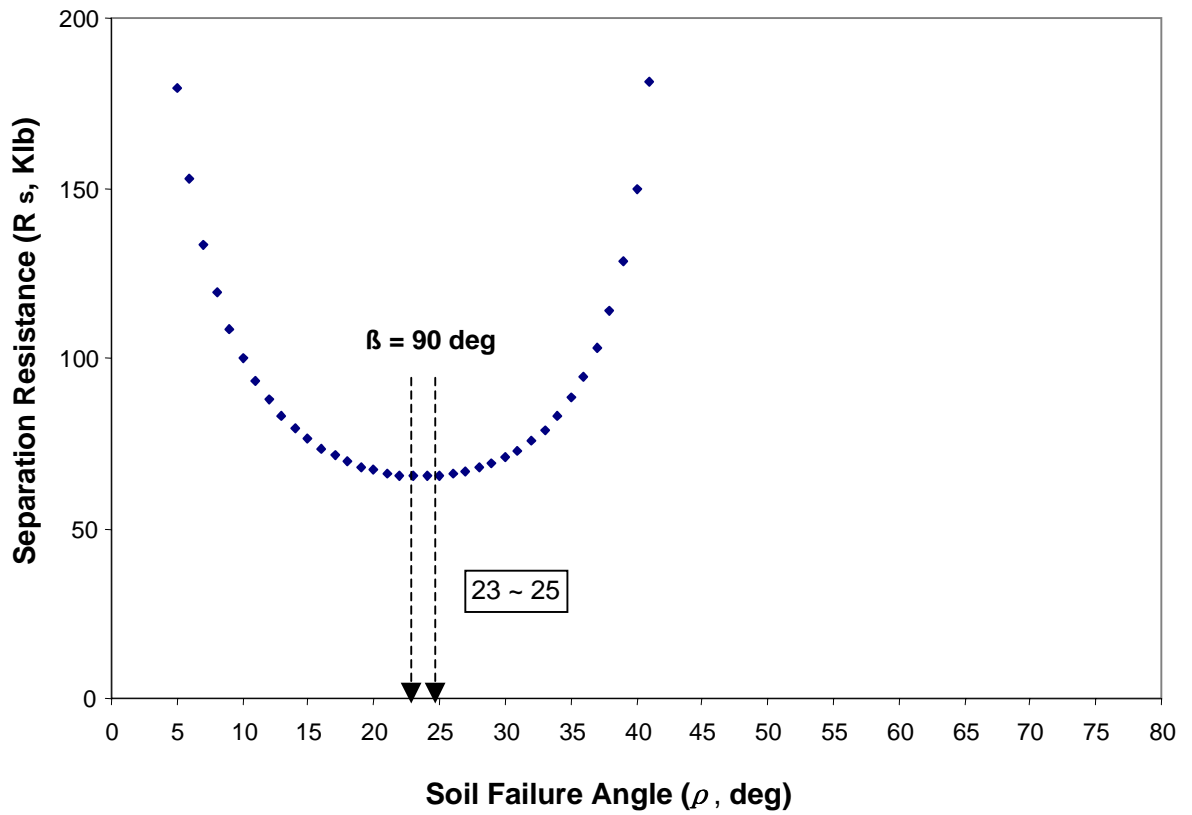


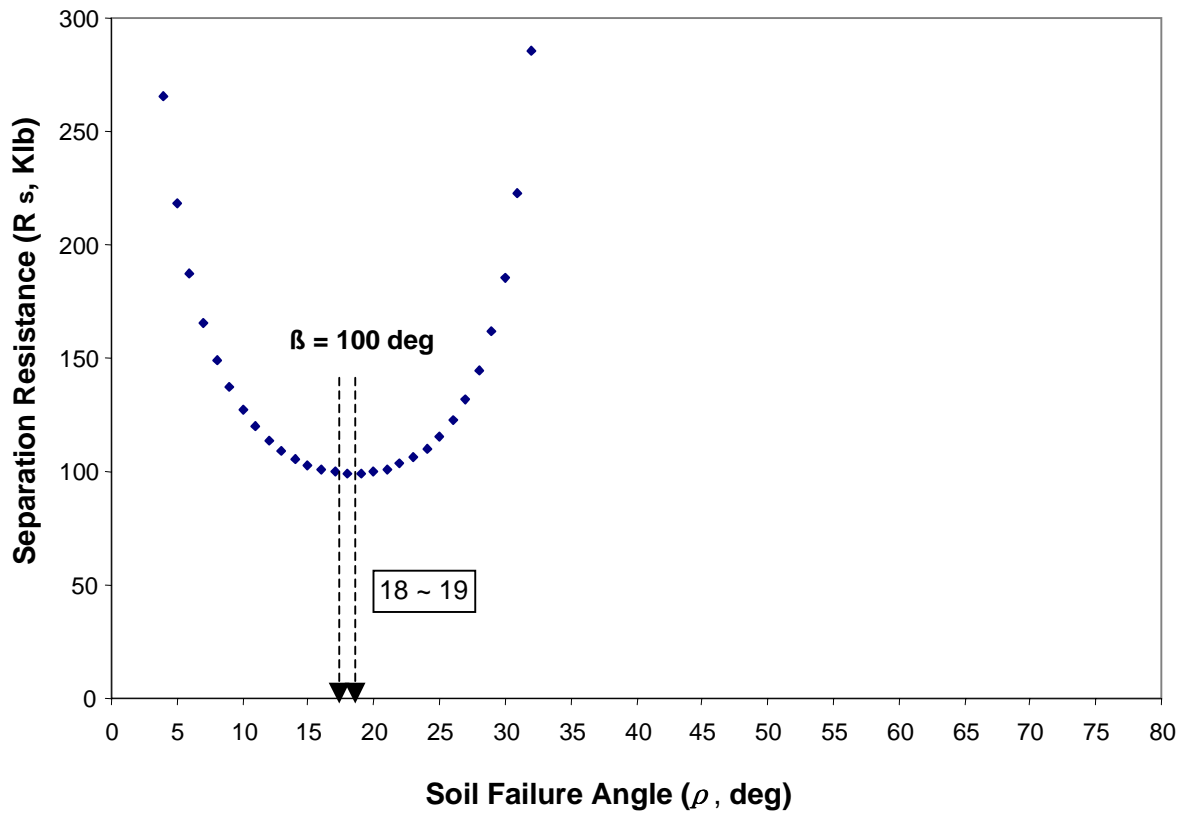


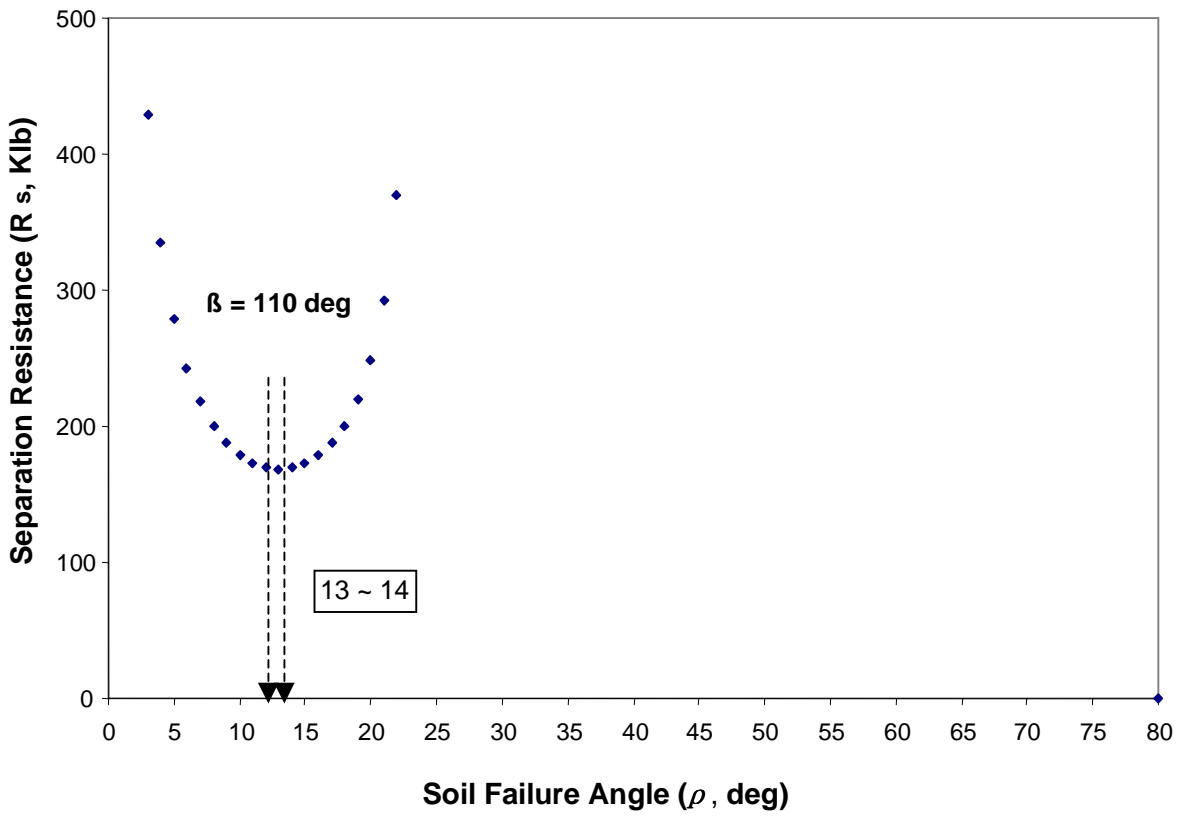


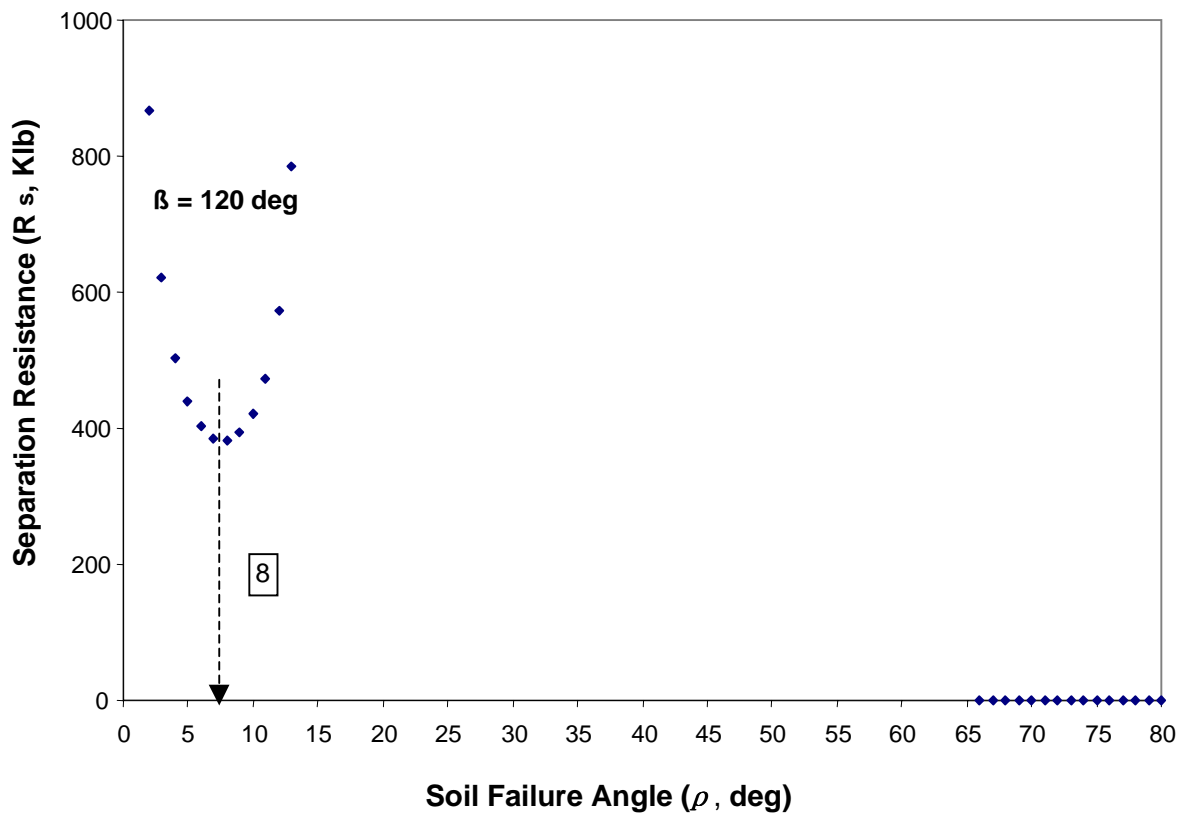




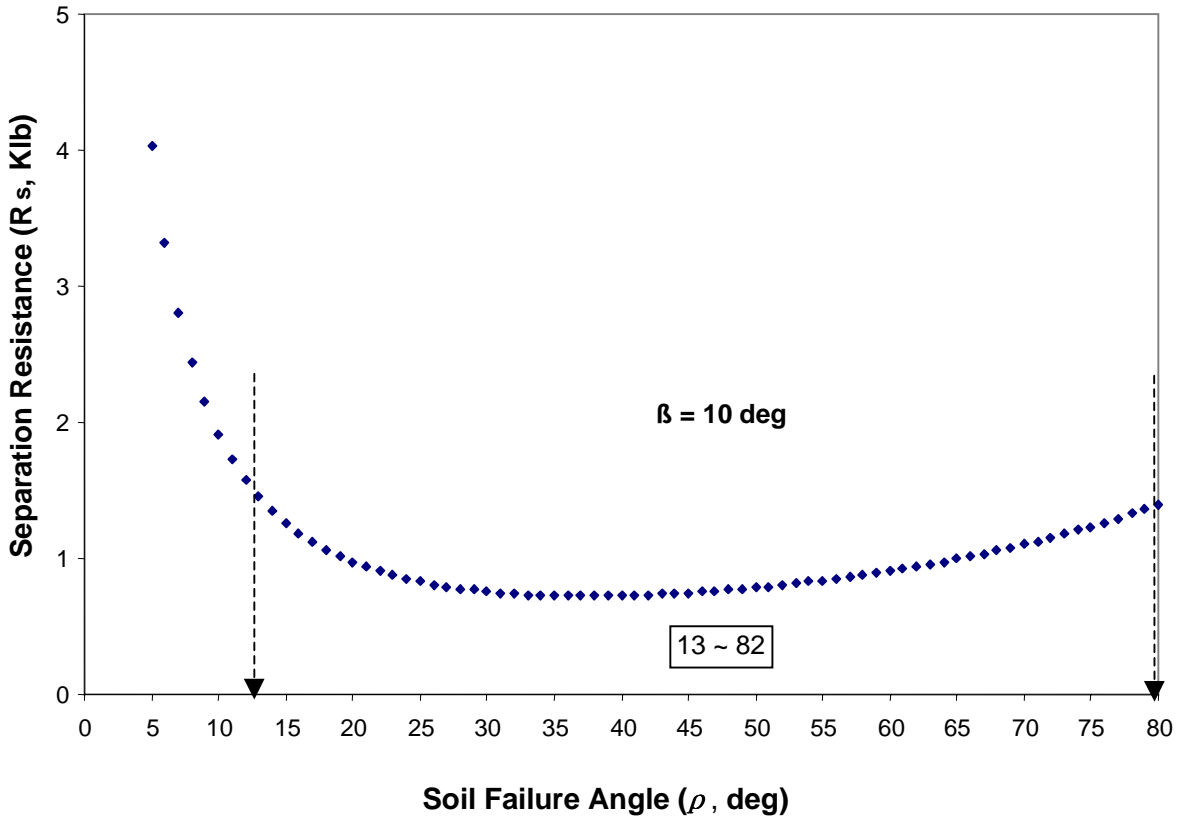








Soil Properties	
Φ (deg)	30
δ (deg)	15
c (psi)	2
ca (psi)	1
γ (lb/in ³)	0.05787037
Ko	1



Soil Wedge Dimensions	
B (Blade width: in)	35
L (Soil-Contact Length: in)	22.2
D (Blade Depth: in = $L * \sin \beta$)	3.854989544
α (Slope Angle: deg)	90
z (Centroid of A2 from the Wedge Top)	154.5223794

