

Failure arc parameters			g.	Slope.angle	
x0	y0	R.			
Center of arc	Center of arc	Radius of arc			
635	1335	1478.32676			
rho.water	phi	tanphi	cohesion	rho.rockdry	rho.rocksat
<b>Slice Parameters</b>					
Slice	xbotleft	ybotleft	xbotright	ybotright	xtopleft
1					
2					
3					
4					
5					
6					
7					
<b>Driving moment</b>					
Slice	h.rock	slice width	Slice depth	Slice volume	Slice mass
	Ave. slice height		(D.)		
1					
2					
3					
4					
5					
6					
7					
Total				Total	
<b>Resisting moment at slide base for dry slice</b>					
Slice	Straight line	theta	arc.length	basal.slope	Normal stress
	base length	Subtended	Length of	Slope of	
		angle	slice arc	slice base	
1					
2					
3					
4					
5					
6					
7					

<b>Resisting moment for static water table at top of dam</b>					
Slice	Straight line base length	theta Subtended angle	arc.length Length of slice arc	basal.slope Slope of slice base	Normal stress acting on slip surface
1					
2					
3					
4					
5					
6					
7					
<b>Resisting moment assuming water flow parallel to slope</b>					
Slice	Straight line base length	theta Subtended angle	arc.length Length of slice arc	basal.slope Slope of slice base	Normal stress acting on slip surface
1					
2					
3					
4					
5					
6					
7					

D.	slice.width				
1	100				
D. = thickness (Doesn't affect 2D results)	Determines x-values below				
Rock type					
ytopleft	xtright	ytright	volume	Surface slope	Basal slope
		Total	0.0000E+00		
Dry slice weight (Newtons)	rstar lever arm	<b>Driving Moment</b> Slice weight x lever arm			
	Total				
Pressure head	pore.pressure	Effective normal stress	Shear strength Must be >=0	Basal area	Resisting shear force





