PHYS221
Exp 6 Friction Results

Results

Type friction Coefficient	Pulling method (horizontal plane)	Sliding methods (inclined plane)	% Diff
Static-μ_s	From plot of $f_s\ vs.\ \mu_s F_{normal}$	**(angle of repose)** $u_s = tan\theta_{big}$	
Kinetic-μ_s	From plot of $f_k\ vs.\ \mu_k F_{normal}$	**constant velocity)** $u_k = tan\theta_{small}$	