

Friction

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List of forces so far

Force	symbol	direction	magnitude
somebody pushing	F_P		
gravity (weight)	F_G	downward	$F_G = mg$
normal force	F_N	\perp to surface	
tension	F_T	along rope	
air resistance		opposite the velocity	
kinetic friction	F_{fr}	opposite the velocity	$F_{fr} = \mu_k F_N$
static friction	F_{fr}	\parallel to surface	$F_{fr} \leq \mu_s F_N$