

Force and Translational Dynamics

AP Physics C: Mechanics · Vocabulary

English	中文	Pinyin
 system	系统	xì tǒng
 center of mass	质心	zhì xīn
\rightarrow force	力	lì
 free-body diagram	受力图	shòu lì tú
 Newton's third law	牛顿第三定律	niú dùn dì sān dìng lǜ
 inertia	惯性	guàn xìng
 net force	合力	hé lì
 translational equilibrium	平动平衡	píng dòng píng héng
 differential equation	微分方程	wēi fēn fāng chéng
 incline	斜面	xié miàn
\updownarrow tension	张力	zhāng lì
 Newton's law of gravitation	万有引力定律	wàn yǒu yǐn lì dìng lǜ
 Friction	摩擦力	mó cā lì
 kinetic	动摩擦	dòng mó cā
 static	静摩擦	jìng mó cā
\uparrow normal force	法向力	fǎ xiàng lì
 Hooke's law	胡克定律	hú kè dìng lǜ
\odot spring constant	弹簧劲度系数	tán huáng jìn dù xì shù
\rightleftharpoons resistive force	阻力	zǔ lì
\downarrow terminal velocity	终极速度	zhōng jí sù dù
 centripetal acceleration	向心加速度	xiàng xīn jiā sù dù