















Force and Translational Dynamics

AP Physics 1 · 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
 weight	重力	zhòng lì
\updownarrow tension	张力	zhāng lì
\rightleftarrows Newton's third law	牛顿第三定律	niú dùn dì sān dìng lǜ
 Newton's first law	牛顿第一定律	niú dùn dì yī dìng lǜ
 inertia	惯性	guàn xìng
\nearrow net force	合力	hé lì
 translational equilibrium	平衡	píng héng
 Newton's second law	牛顿第二定律	niú dùn dì èr dìng lǜ
\triangle incline	斜面	xié miàn
 gravitational field strength	重力场强度	zhòng lì chǎng qiáng dù
 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 friction	动摩擦	dòng mó cā
 Static friction	静摩擦	jìng mó cā
\uparrow normal force	法向力	fǎ xiàng lì
\times coefficient of friction	摩擦系数	mó cā xì shù
\curvearrowright restoring force	回复力	huí fù lì
 Hooke's law	胡克定律	hú kè dìng lǜ
 spring constant	弹簧常数	tán huáng cháng shù
 centripetal acceleration	向心加速度	xiàng xīn jiā sù dù
 net inward (centripetal) force	向心力	xiàng xīn lì