

# Mechanics

## A-Level Mathematics · Vocabulary

English	中文	Pinyin
Mechanics	力学	lì xué
force	力	lì
components	分量	fèn liàng
resultant	合力	hé lì
equilibrium	平衡	píng héng
contact force	接触力	jiē chù lì
normal reaction	法向反作用力	fǎ xiàng fǎn zuò yòng lì
friction	摩擦力	mó cā lì
limiting friction	最大静摩擦力	zuì dà jìng mó cā lì
coefficient of friction	摩擦系数	mó cā xì shù
Newton's third law	牛顿第三定律	niú dùn dì sān dìng lǜ
distance	距离	jù lí
speed	速率	sù lǜ
displacement	位移	wèi yí
velocity	速度	sù dù
acceleration	加速度	jiā sù dù
velocity-time graph	速度时间图	sù dù shí jiān tú
constant acceleration	匀加速	yún jiā sù
momentum	动量	dòng liàng
conservation of momentum	动量守恒	dòng liàng shǒu héng
Newton's laws of motion	牛顿运动定律	niú dùn yùn dòng dìng lǜ
mass	质量	zhì liàng
weight	重力	zhòng lì
tension	张力	zhāng lì
inclined plane	斜面	xié miàn
connected particles	连接质点	lián jiē zhì diǎn
work done	功	gōng
kinetic energy	动能	dòng néng
gravitational potential energy	重力势能	zhòng lì shì néng
conservation of energy	能量守恒	néng liàng shǒu héng
power	功率	gōng lǜ