

Motion, forces and energy

IGCSE Physics · Vocabulary

English	中文	Pinyin
measurement	测量	cè liáng
ruler	直尺	zhí chǐ
measuring cylinder	量筒	liáng tǒng
meniscus	弯月面	wān yuè miàn
measure many and divide	测多个再相除	cè duō gè zài xiāng chú
pendulum	摆	bǎi
period	周期	zhōu qī
uncertainty	不确定度	bù què dìng dù
scalar	标量	biāo liàng
magnitude	大小	dà xiǎo
vector	矢量	shǐ liàng
mass	质量	zhì liàng
energy	能量	néng liàng
temperature	温度	wēn dù
force	力	lì
weight	重力	zhòng lì
velocity	速度	sù dù
acceleration	加速度	jiā sù dù
momentum	动量	dòng liàng
resultant	合矢量	hé shǐ liàng
motion	运动	yùn dòng
speed	速率	sù lǜ
deceleration	减速	jiǎn sù
distance–time graph	距离-时间图	jù lí - shí jiān tú
at rest	静止	jìng zhǐ
gradient	斜率	xié lǜ
speed–time graph	速度-时间图	sù dù - shí jiān tú
area under the line	线下面积	xiàn xià miàn jī
acceleration of free fall	自由落体加速度	zì yóu luò tǐ jiā sù dù
air resistance	空气阻力	kōng qì zǔ lì
terminal velocity	终极速度	zhōng jí sù dù
matter	物质	wù zhì
gravitational field strength	重力场强度	zhòng lì chǎng qiáng dù
balance	天平	tiān píng
density	密度	mì dù
regular solid	规则固体	guī zé gù tǐ
irregular solid	不规则固体	bù guī zé gù tǐ
displacement method	排水法	pái shuǐ fǎ
floats	漂浮	piāo fú
shape	形状	xíng zhuàng

English	中文	Pinyin
extension	伸长量	shēn cháng liàng
load-extension graph	载荷-伸长图	zài hè - shēn cháng tú
limit of proportionality	比例极限	bǐ lì jí xiàn
spring constant	弹簧常数	tán huáng cháng shù
resultant force	合力	hé lì
friction	摩擦力	mó cā lì
moment	力矩	lì jǔ
pivot	支点	zhī diǎn
principle of moments	力矩原理	lì jǔ yuán lǐ
equilibrium	平衡	píng héng
centre of gravity	重心	zhòng xīn
lamina	薄片	báo piàn
stable	稳定	wěn dìng
impulse	冲量	chōng liàng
conservation of momentum	动量守恒	dòng liàng shǒu héng
stored	储存	chǔ cún
transferred	转移	zhuǎn yí
kinetic	动能	dòng néng
gravitational potential	重力势能	zhòng lì shì néng
chemical	化学能	huà xué néng
elastic (strain)	弹性势能	tán xìng shì néng
nuclear	核能	hé néng
electrostatic	静电能	jìng diàn néng
internal (thermal)	内能	nèi néng
principle of conservation of energy	能量守恒定律	néng liàng shǒu héng dìng lǜ
Sankey diagram	桑基图	sāng jī tú
wasted	浪费	làng fèi
work done	做功	zuò gōng
joule	焦耳	jiāo ěr
power	功率	gōng lǜ
watt	瓦特	wǎ tè
efficiency	效率	xiào lǜ
pressure	压强	yā qiáng
pascal	帕斯卡	pà sī kǎ
depth	深度	shēn dù