

Oscillations

A-Level Physics · Vocabulary

English	中文	Pinyin
 simple harmonic motion	简谐运动	jiǎn xié yùn dòng
 acceleration	加速度	jiā sù dù
 equilibrium	平衡	píng héng
$\rightarrow$ displacement	位移	wèi yí
 angular frequency	角频率	jiǎo pín lǜ
 spring	弹簧	tán huáng
 pendulum	单摆	dān bǎi
 capacitor	电容器	diàn róng qì
$\updownarrow$ amplitude	振幅	zhèn fú
 period	周期	zhōu qī
 frequency	频率	pín lǜ
$\rightleftharpoons$ phase difference	相位差	xiàng wèi chà
 velocity	速度	sù dù
 kinetic energy	动能	dòng néng
 damping	阻尼	zǔ ní
 conservation of energy	能量守恒	néng liàng shǒu héng
 friction	摩擦力	mó cā lì
 drag	阻力	zǔ lì
 air resistance	空气阻力	kōng qì zǔ lì
 light damping	轻阻尼	qīng zǔ ní
 critical damping	临界阻尼	lín jiè zǔ ní
 galvanometer	检流计	jiǎn liú jì
 voltmeter	电压表	diàn yā biǎo
 heavy damping	过阻尼	guò zǔ ní

English	中文	Pinyin
受迫振动 forced oscillation	受迫振动	shòu pò zhèn dòng
驱动频率 driving frequency	驱动频率	qū dòng pín lǜ
共振曲线 resonance curve	共振曲线	gòng zhèn qū xiàn
共振 resonance	共振	gòng zhèn
固有频率 natural frequency	固有频率	gù yǒu pín lǜ