

T1 physical quantity	T1 magnitude	T1 unit
T1 estimate	T1 mass	T1 weight
T1 vacuum	T1 acceleration	T1 free fall

T1 单位 dān wèi	T1 大小 dà xiǎo	T1 物理量 wù lǐ liàng
T1 重力 zhòng lì	T1 质量 zhì liàng	T1 估算 gū suàn
T1 自由落体 zì yóu luò tǐ	T1 加速度 jiā sù dù	T1 真空 zhēn kōng

T1 order of magnitude	T1 SI units	T1 base quantity
T1 length	T1 current	T1 ampere
T1 temperature	T1 kelvin	T1 derived unit

T1 基本量 jī běn liàng	T1 国际单位制 guó jì dān wèi zhì	T1 数量级 shù liàng jí
T1 安培 ān péi	T1 电流 diàn liú	T1 长度 cháng dù
T1 导出单位 dǎo chū dān wèi	T1 开尔文 kāi ěr wén	T1 温度 wēn dù

T1 speed	T1 velocity	T1 force
T1 newton	T1 work	T1 energy
T1 joule	T1 power	T1 watt

T1 力 lì	T1 速度 sù dù	T1 速率 sù lǜ
T1 能量 néng liàng	T1 功 gōng	T1 牛顿 niú dùn
T1 瓦特 wǎ tè	T1 功率 gōng lǜ	T1 焦耳 jiāo ěr

T1 pressure	T1 stress	T1 pascal
T1 homogeneous	T1 prefix	T1 measurement
T1 uncertainty	T1 systematic error	T1 zero error

T1 帕斯卡 pà sī kǎ	T1 应力 yīng lì	T1 压强 yā qiáng
T1 测量 cè liáng	T1 词头 cí tóu	T1 量纲一致 liàng gāng yí zhì
T1 零点误差 líng diǎn wù chā	T1 系统误差 xì tǒng wù chā	T1 不确定度 bù què dìng dù

T1 calibration	T1 parallax	T1 accuracy
T1 precision	T1 random error	T1 instrument
T1 mean	T1 absolute uncertainty	T1 percentage uncertainty

T1 准确度 zhǔn què dù	T1 视差 shì chà	T1 校准 jiào zhǔn
T1 仪器 yí qì	T1 随机误差 suí jī wù chā	T1 精密度 jīng mì dù
T1 百分比不确定度 bǎi fēn bǐ bù què dìng dù	T1 绝对不确定度 jué duì bù què dìng dù	T1 平均值 píng jūn zhí

T1 derived quantity	T1 diameter	T1 volume
T1 significant figures	T1 scalar	T1 vector
T1 density	T1 electric charge	T1 displacement

T1 体积 tǐ jī	T1 直径 zhí jìng	T1 导出量 dǎo chū liàng
T1 矢量 shǐ liàng	T1 标量 biāo liàng	T1 有效数字 yǒu xiào shù zì
T1 位移 wèi yí	T1 电荷 diàn hè	T1 密度 mì dù

T1 momentum	T1 coplanar	T1 resultant
T1 perpendicular	T1 component	T1 horizontal
T1 vertical	T1 inclined plane	T2 kinematics

T1 合矢量 hé shǐ liàng	T1 共面 gòng miàn	T1 动量 dòng liàng
T1 水平 shuǐ píng	T1 分量 fèn liàng	T1 垂直 chuí zhí
T2 运动学 yùn dòng xué	T1 斜面 xié miàn	T1 竖直 shù zhí

T2 distance	T2 scalar	T2 displacement
T2 vector	T2 speed	T2 velocity
T2 acceleration	T2 deceleration	T2 gradient

T2 位移 wèi yí	T2 标量 biāo liàng	T2 距离 jù lí
T2 速度 sù dù	T2 速率 sù lǜ	T2 矢量 shǐ liàng
T2 斜率 xié lǜ	T2 减速度 jiǎn sù dù	T2 加速度 jiā sù dù

T2 tangent	T2 uniform acceleration	T2 trapezium
T2 gravity	T2 air resistance	T2 free fall
T2 symmetric	T2 random error	T2 light gate

T2 梯形 tī xíng	T2 匀加速 yún jiā sù	T2 切线 qiè xiàn
T2 自由落体 zì yóu luò tǐ	T2 空气阻力 kōng qì zǔ lì	T2 重力 zhòng lì
T2 光电门 guāng diàn mén	T2 随机误差 suí jī wù chā	T2 对称 duì chèn

T2 reaction-time	T2 horizontal	T2 vertical
T2 range	T2 projectile	T2 component
T2 energy	T3 mass	T3 force

T2 竖直 shù zhí	T2 水平 shuǐ píng	T2 反应时间 fǎn yìng shí jiān
T2 分量 fèn liàng	T2 抛体 pāo tǐ	T2 射程 shè chéng
T3 力 lì	T3 质量 zhì liàng	T2 能量 néng liàng

T3

acceleration

T3

scalar

T3

linear momentum

T3

vector

T3

velocity

T3

resultant force

T3

collision

T3

impulse

T3

kinetic energy

T3 动量 dòng liàng	T3 标量 biāo liàng	T3 加速度 jiā sù dù
T3 合力 hé lì	T3 速度 sù dù	T3 矢量 shǐ liàng
T3 动能 dòng néng	T3 冲量 chōng liàng	T3 碰撞 pèng zhuàng

T3 external force	T3 electrostatic	T3 weight
T3 normal contact force	T3 thrust	T3 gravitational field
T3 friction	T3 viscous	T3 drag

T3 重力 zhòng lì	T3 静电 jìng diàn	T3 外力 wài lì
T3 重力场 zhòng lì chǎng	T3 推力 tuī lì	T3 支持力 zhī chí lì
T3 阻力 zǔ lì	T3 黏性 nián xìng	T3 摩擦力 mó cā lì

T3 fluid	T3 coefficient	T3 terminal velocity
T3 parachutist	T3 gravitational potential energy	T3 thermal energy
T3 power	T3 conservation of momentum	T3 explosion

T3 收尾速度 shōu wěi sù dù	T3 系数 xì shù	T3 流体 liú tǐ
T3 热能 rè néng	T3 重力势能 zhòng lì shì néng	T3 跳伞者 tiào sǎn zhě
T3 爆炸 bào zhà	T3 动量守恒 dòng liàng shǒu héng	T3 功率 gōng lǜ

T3 recoil	T3 elastic collision	T3 relative speed
T3 inelastic collision	T3 deformation	T3 head-on
T3 stationary	T3 perpendicular	T3 component

T3 相对速率 xiāng duì sù lǜ	T3 弹性碰撞 tán xìng pèng zhuàng	T3 反冲 fǎn chōng
T3 正面 zhèng miàn	T3 形变 xíng biàn	T3 非弹性碰撞 fēi tán xìng pèng zhuàng
T3 分量 fèn liàng	T3 垂直 chuí zhí	T3 静止 jìng zhǐ

T3 mass-flow rate	T4 weight	T4 centre of gravity
T4 centre of mass	T4 free-body diagram	T4 moment
T4 force	T4 perpendicular distance	T4 line of action

T4 重心 zhòng xīn	T4 重力 zhòng lì	T3 质量流率 zhì liàng liú lǜ
T4 力矩 lì jǔ	T4 受力图 shòu lì tú	T4 质心 zhì xīn
T4 作用线 zuò yòng xiàn	T4 垂直距离 chuí zhí jù lí	T4 力 lì

T4 lever arm	T4 pivot	T4 perpendicular
T4 clockwise	T4 anticlockwise	T4 couple
T4 torque	T4 translation	T4 equilibrium

T4 垂直 chuí zhí	T4 支点 zhī diǎn	T4 力臂 lì bì
T4 力偶 lì ǒu	T4 逆时针 nì shí zhēn	T4 顺时针 shùn shí zhēn
T4 平衡 píng héng	T4 平动 píng dòng	T4 力偶矩 lì ǒu jǔ

T4 resultant force	T4 angular acceleration	T4 principle of moments
T4 vector triangle	T4 component	T4 sine rule
T4 cosine rule	T4 horizontal	T4 vertical

T4 力矩原理 lì jǔ yuán lǐ	T4 角加速度 jiǎo jiā sù dù	T4 合力 hé lì
T4 正弦定理 zhèng xián dìng lǐ	T4 分量 fèn liàng	T4 矢量三角形 shǐ liàng sān jiǎo xíng
T4 竖直 shù zhí	T4 水平 shuǐ píng	T4 余弦定理 yú xián dìng lǐ

T4 density	T4 scalar	T4 pressure
T4 fluid	T4 cross-sectional area	T4 hydrostatic pressure
T4 depth	T4 atmospheric pressure	T4 submerged

T4 压强 yā qiáng	T4 标量 biāo liàng	T4 密度 mì dù
T4 流体静压强 liú tǐ jìng yā qiáng	T4 横截面积 héng jié miàn jī	T4 流体 liú tǐ
T4 浸没 jìn mò	T4 大气压强 dà qì yā qiáng	T4 深度 shēn dù

T4 upthrust	T4 displaced	T4 Archimedes' principle
T4 floating	T4 tension	T4 newton meter
T4 incompressible	T5 work	T5 displacement

T4 阿基米德原理 ā jī mǐ dé yuán lǐ	T4 排开 pái kāi	T4 浮力 fú lì
T4 弹簧测力计 tán huáng cè lì jì	T4 张力 zhāng lì	T4 漂浮 piāo fú
T5 位移 wèi yí	T5 功 gōng	T4 不可压缩 bù kě yā suō

T5 component	T5 scalar	T5 energy
T5 normal contact force	T5 friction	T5 horizontal
T5 closed system	T5 conservation of energy	T5 elastic potential energy

T5 能量 néng liàng	T5 标量 biāo liàng	T5 分量 fèn liàng
T5 水平 shuǐ píng	T5 摩擦力 mó cā lì	T5 支持力 zhī chí lì
T5 弹性势能 tán xìng shì néng	T5 能量守恒 néng liàng shǒu héng	T5 封闭系统 fēng bì xì tǒng

T5 electrical energy	T5 chemical energy	T5 frictionless
T5 ramp	T5 gravitational potential energy	T5 kinetic energy
T5 thermal energy	T5 efficiency	T5 voltage

T5 无摩擦 wú mó cā	T5 化学能 huà xué néng	T5 电能 diàn néng
T5 动能 dòng néng	T5 重力势能 zhòng lì shì néng	T5 斜坡 xié pō
T5 电压 diàn yā	T5 效率 xiào lǜ	T5 热能 rè néng

T5 current	T5 tension	T5 power
T5 velocity	T5 drag	T5 weight
T5 mass	T5 momentum	T5 spring

T5 功率 gōng lǜ	T5 张力 zhāng lì	T5 电流 diàn liú
T5 重力 zhòng lì	T5 阻力 zǔ lì	T5 速度 sù dù
T5 弹簧 tán huáng	T5 动量 dòng liàng	T5 质量 zhì liàng

T5 compression	T5 spring constant	T5 projectile
T6 deformation	T6 tensile	T6 extension
T6 compression	T6 load	T6 Hooke's law

T5 抛体 pāo tǐ	T5 劲度系数 jìn dù xì shù	T5 压缩 yā suō
T6 伸长量 shēn cháng liàng	T6 拉伸 lā shēn	T6 形变 xíng biàn
T6 胡克定律 hú kè dìng lǜ	T6 负载 fù zài	T6 压缩 yā suō

T6 spring constant	T6 limit of proportionality	T6 elastic
T6 plastic	T6 series	T6 parallel
T6 stress	T6 cross-sectional area	T6 strain

T6 弹性 tán xìng	T6 比例极限 bǐ lì jí xiàn	T6 劲度系数 jìn dù xì shù
T6 并联 bìng lián	T6 串联 chuàn lián	T6 塑性 sù xìng
T6 应变 yìng biàn	T6 横截面积 héng jié miàn jī	T6 应力 yīng lì

T6 Young modulus	T6 pulley	T6 diameter
T6 micrometer	T6 random error	T6 elastic limit
T6 thermal energy	T6 elastic potential energy	T6 trapezia

T6 直径 zhí jìng	T6 滑轮 huá lún	T6 杨氏模量 yáng shì mó liàng
T6 弹性极限 tán xìng jí xiàn	T6 随机误差 suí jī wù chā	T6 螺旋测微器 luó xuán cè wēi qì
T6 梯形 tī xíng	T6 弹性势能 tán xìng shì néng	T6 热能 rè néng

T6 kinetic energy	T7 wave	T7 energy
T7 medium	T7 oscillate	T7 transverse wave
T7 longitudinal wave	T7 progressive wave	T7 displacement

T7 能量 néng liàng	T7 波 bō	T6 动能 dòng néng
T7 横波 héng bō	T7 振动 zhèn dòng	T7 介质 jiè zhì
T7 位移 wèi yí	T7 行波 xíng bō	T7 纵波 zòng bō

T7 vector	T7 amplitude	T7 wavelength
T7 in phase	T7 crest	T7 period
T7 frequency	T7 hertz	T7 speed

T7 波长 bō cháng	T7 振幅 zhèn fú	T7 矢量 shǐ liàng
T7 周期 zhōu qī	T7 波峰 bō fēng	T7 同相 tóng xiāng
T7 速率 sù lǜ	T7 赫兹 hè zī	T7 频率 pín lǜ

T7 phase difference	T7 radian	T7 propagate
T7 cathode-ray oscilloscope	T7 time-base	T7 y-gain
T7 intensity	T7 power	T7 point source

T7 传播 chuán bō	T7 弧度 hú dù	T7 相位差 xiàng wèi chà
T7 垂直增益 chuí zhí zēng yì	T7 时基 shí jī	T7 示波器 shì bō qì
T7 点源 diǎn yuán	T7 功率 gōng lǜ	T7 强度 qiáng dù

T7 wavefront	T7 perpendicular	T7 compression
T7 rarefaction	T7 sine curve	T7 source
T7 stationary	T7 observer	T7 Doppler effect

T7 压缩 yā suō	T7 垂直 chuí zhí	T7 波前 bō qián
T7 波源 bō yuán	T7 正弦曲线 zhèng xián qū xiàn	T7 稀疏 xī shū
T7 多普勒效应 duō pǔ lè xiào yìng	T7 观察者 guān chá zhě	T7 静止 jìng zhǐ

T7 electromagnetic wave	T7 vacuum	T7 electromagnetic spectrum
T7 microwaves	T7 infrared	T7 ultraviolet
T7 X-rays	T7 gamma-rays	T7 polarisation

T7 电磁波谱 diàn cí bō pǔ	T7 真空 zhēn kōng	T7 电磁波 diàn cí bō
T7 紫外线 zǐ wài xiàn	T7 红外线 hóng wài xiàn	T7 微波 wēi bō
T7 偏振 piān zhèn	T7 γ 射线 γ shè xiàn	T7 X 射线 X shè xiàn

T7 plane-polarised	T7 polarising filter	T7 transmission axis
T7 Malus's law	T8 wave	T8 displacement
T8 vector sum	T8 superposition	T8 amplitude

T7 透光轴 tòu guāng zhóu	T7 偏振片 piān zhèn piàn	T7 平面偏振 píng miàn piān zhèn
T8 位移 wèi yí	T8 波 bō	T7 马吕斯定律 mǎ lǚ sī dìng lǜ
T8 振幅 zhèn fú	T8 叠加 dié jiā	T8 矢量和 shǐ liàng hé

T8 in phase	T8 crest	T8 constructive interference
T8 trough	T8 phase difference	T8 destructive interference
T8 intensity	T8 progressive wave	T8 stationary wave

T8 相长干涉 xiāng zhǎng gān shè	T8 波峰 bō fēng	T8 同相 tóng xiāng
T8 相消干涉 xiāng xiāo gān shè	T8 相位差 xiàng wèi chà	T8 波谷 bō gǔ
T8 驻波 zhù bō	T8 行波 xíng bō	T8 强度 qiáng dù

T8 reflected	T8 node	T8 antinode
T8 antiphase	T8 energy	T8 wavelength
T8 resonance tube	T8 fundamental	T8 diffraction

T8 波腹 bō fù	T8 波节 bō jié	T8 反射 fǎn shè
T8 波长 bō cháng	T8 能量 néng liàng	T8 反相 fǎn xiāng
T8 衍射 yǎn shè	T8 基频 jī pín	T8 共鸣管 gòng míng guǎn

T8 obstacle	T8 ripple tank	T8 interference
T8 coherent	T8 slit	T8 double-slit
T8 polarisation	T8 path difference	T8 fringe spacing

T8 干涉 gān shè	T8 水波槽 shuǐ bō cáo	T8 障碍物 zhàng ài wù
T8 双缝 shuāng fèng	T8 狭缝 xiá fèng	T8 相干 xiāng gān
T8 条纹间距 tiáo wén jiān jù	T8 路程差 lù chéng chà	T8 偏振 piān zhèn

T8 fringe	T8 maximum	T8 minimum
T8 diffraction grating	T8 normal	T8 slit spacing
T8 order	T9 electric current	T9 charge carrier

T8 极小 jí xiǎo	T8 极大 jí dà	T8 条纹 tiáo wén
T8 缝间距 fèng jiān jù	T8 法线 fǎ xiàn	T8 衍射光栅 yǎn shè guāng shān
T9 载流子 zài liú zi	T9 电流 diàn liú	T8 级次 jí cì

T9 electron	T9 electrolyte	T9 ion
T9 semiconductor	T9 hole	T9 conventional current
T9 quantised	T9 elementary charge	T9 coulomb

T9 离子 lí zi	T9 电解质 diàn jiě zhì	T9 电子 diàn zi
T9 常规电流 cháng guī diàn liú	T9 空穴 kōng xué	T9 半导体 bàn dǎo tǐ
T9 库仑 kù lún	T9 基本电荷 jī běn diàn hè	T9 量子化 liàng zǐ huà

T9 number density	T9 drift velocity	T9 series
T9 potential difference	T9 energy	T9 volt
T9 electromotive force	T9 power	T9 parallel

T9 串联 chuàn lián	T9 漂移速度 piāo yí sù dù	T9 数密度 shù mì dù
T9 伏特 fú tè	T9 能量 néng liàng	T9 电势差 diàn shì chà
T9 并联 bìng lián	T9 功率 gōng lǜ	T9 电动势 diàn dòng shì

T9 voltage	T9 resistance	T9 ohm
T9 Ohm's law	T9 filament lamp	T9 diode
T9 resistivity	T9 insulator	T9 lattice vibration

T9 欧姆 ōu mǔ	T9 电阻 diàn zǔ	T9 电压 diàn yā
T9 二极管 èr jí guǎn	T9 灯丝灯泡 dēng sī dēng pào	T9 欧姆定律 ōu mǔ dìng lǜ
T9 晶格振动 jīng gé zhèn dòng	T9 绝缘体 jué yuán tǐ	T9 电阻率 diàn zǔ lǜ

T9 scatters	T9 light-dependent resistor	T9 light intensity
T9 thermistor	T9 negative temperature coefficient	T9 potential divider
T10 electromotive force	T10 energy	T10 potential difference

T9 光强 guāng qiáng	T9 光敏电阻 guāng mǐn diàn zǔ	T9 散射 sǎn shè
T9 分压器 fēn yā qì	T9 负温度系数 fù wēn dù xì shù	T9 热敏电阻 rè mǐn diàn zǔ
T10 电势差 diàn shì chà	T10 能量 néng liàng	T10 电动势 diàn dòng shì

T10 breadboard	T10 multimeter	T10 internal resistance
T10 electrolyte	T10 cell	T10 terminal p.d.
T10 open circuit	T10 short circuit	T10 power

T10 内阻 nèi zǔ	T10 万用表 wàn yòng biǎo	T10 面包板 miàn bāo bǎn
T10 端电压 duān diàn yā	T10 电池 diàn chí	T10 电解质 diàn jiě zhì
T10 功率 gōng lǜ	T10 短路 duǎn lù	T10 开路 kāi lù

T10 ammeter	T10 voltmeter	T10 LED
T10 capacitor	T10 fuse	T10 resistance
T10 series	T10 parallel	T10 junction

T10 发光二极管 fā guāng èr jí guǎn	T10 电压表 diàn yā biǎo	T10 电流表 diàn liú biǎo
T10 电阻 diàn zǔ	T10 保险丝 bǎo xiǎn sī	T10 电容器 diàn róng qì
T10 节点 jié diǎn	T10 并联 bìng lián	T10 串联 chuàn lián

T10 conservation of charge	T10 loop	T10 conservation of energy
T10 Kirchhoff's first law	T10 Kirchhoff's second law	T10 potential divider
T10 voltage	T10 rheostat	T10 sensor

T10 能量守恒 néng liàng shǒu héng	T10 回路 huí lù	T10 电荷守恒 diàn hè shǒu héng
T10 分压器 fēn yā qì	T10 基尔霍夫第二定律 jī ěr huò fū dì èr dìng lǜ	T10 基尔霍夫第一定律 jī ěr huò fū dì yí dìng lǜ
T10 传感器 chuán gǎn qì	T10 变阻器 biàn zǔ qì	T10 电压 diàn yā

T10 thermistor	T10 light-dependent resistor	T10 light intensity
T10 transistor	T10 comparator	T10 threshold
T10 potentiometer	T10 jockey	T10 galvanometer

T10 光强 guāng qiáng	T10 光敏电阻 guāng mǐn diàn zǔ	T10 热敏电阻 rè mǐn diàn zǔ
T10 阈值 yù zhí	T10 比较器 bǐ jiào qì	T10 晶体管 jīng tǐ guǎn
T10 检流计 jiǎn liú jì	T10 滑动触头 huá dòng chù tóu	T10 电位差计 diàn wèi chà jì

T10 null method	T11 alpha particle	T11 deflection
T11 nucleus	T11 proton	T11 neutron
T11 electron	T11 nuclide	T11 proton number

T11 偏转 piān zhuǎn	T11 α 粒子 α lì zì	T10 零点法 líng diǎn fǎ
T11 中子 zhōng zǐ	T11 质子 zhì zǐ	T11 原子核 yuán zǐ hé
T11 质子数 zhì zǐ shù	T11 核素 hé sù	T11 电子 diàn zǐ

T11 nucleon number	T11 nucleon	T11 isotope
T11 conservation of charge	T11 unified atomic mass unit	T11 radiation
T11 radioactive	T11 ionising	T11 discrete

T11 同位素 tóng wèi sù	T11 核子 hé zǐ	T11 核子数 hé zǐ shù
T11 辐射 fú shè	T11 统一原子质量单位 tǒng yī yuán zì zhì liàng dān wèi	T11 电荷守恒 diàn hè shǒu héng
T11 分立 fēn lì	T11 电离 diàn lí	T11 放射性 fàng shè xìng

T11 cloud chamber	T11 beta particle	T11 positron
T11 continuous	T11 photon	T11 electromagnetic spectrum
T11 attenuated	T11 gamma ray	T11 daughter nucleus

T11 正电子 zhèng diàn zǐ	T11 β 粒子 β lì zǐ	T11 云室 yún shì
T11 电磁波谱 diàn cí bō pǔ	T11 光子 guāng zǐ	T11 连续 lián xù
T11 子核 zǐ hé	T11 γ 射线 γ shè xiàn	T11 衰减 shuāi jiǎn

T11 excited state	T11 antiparticle	T11 antineutrino
T11 neutrino	T11 momentum	T11 energy
T11 fundamental	T11 quark	T11 flavours

T11 反中微子 fǎn zhōng wēi zi	T11 反粒子 fǎn lì zi	T11 激发态 jī fā tài
T11 能量 néng liàng	T11 动量 dòng liàng	T11 中微子 zhōng wēi zi
T11 味 wèi	T11 夸克 kuā kè	T11 基本粒子 jī běn lì zi

T11 antiquark	T11 hadrons	T11 baryons
T11 mesons	T11 leptons	T12 radian
T12 arc	T12 angular displacement	T12 angular speed

T11 重子 zhòng zǐ	T11 强子 qiáng zi	T11 反夸克 fǎn kuā kè
T12 弧度 hú dù	T11 轻子 qīng zi	T11 介子 jiè zi
T12 角速度 jiǎo sù dù	T12 角位移 jiǎo wèi yí	T12 弧 hú

T12 revolution	T12 period	T12 frequency
T12 circumference	T12 tangential	T12 velocity
T12 acceleration	T12 centripetal acceleration	T12 perpendicular

T12 频率 pín lǜ	T12 周期 zhōu qī	T12 圈 quān
T12 速度 sù dù	T12 切向 qiè xiàng	T12 周长 zhōu cháng
T12 垂直 chuí zhí	T12 向心加速度 xiàng xīn jiā sù dù	T12 加速度 jiā sù dù

T12 force	T12 centripetal force	T12 tension
T12 friction	T12 banked	T12 normal contact force
T12 satellite	T12 orbit	T12 gravitational attraction

T12 张力 zhāng lì	T12 向心力 xiàng xīn lì	T12 力 lì
T12 支持力 zhī chí lì	T12 倾斜 qīng xié	T12 摩擦力 mó cā lì
T12 引力 yǐn lì	T12 轨道 guǐ dào	T12 卫星 wèi xīng

T12 electron	T12 electrostatic	T12 nucleus
T12 weight	T12 magnetic field	T12 radial
T13 gravitational field	T13 mass	T13 force

T12 原子核 yuán zǐ hé	T12 静电 jìng diàn	T12 电子 diàn zi
T12 径向 jìng xiàng	T12 磁场 cí chǎng	T12 重力 zhòng lì
T13 力 lì	T13 质量 zhì liàng	T13 重力场 zhòng lì chǎng

T13 gravitational field strength	T13 test mass	T13 vector
T13 field line	T13 point mass	T13 radial
T13 uniform field	T13 Newton's law of gravitation	T13 universal gravitational constant

T13 矢量 shǐ liàng	T13 检验质量 jiǎn yàn zhì liàng	T13 重力场强度 zhòng lì chǎng qiáng dù
T13 径向 jìng xiàng	T13 质点 zhì diǎn	T13 场线 chǎng xiàn
T13 万有引力常量 wàn yǒu yǐn lì cháng liàng	T13 万有引力定律 wàn yǒu yǐn lì dìng lǜ	T13 匀强场 yún qiáng chǎng

T13 satellite	T13 orbit	T13 centripetal force
T13 period	T13 Kepler's third law	T13 geostationary
T13 equator	T13 angular speed	T13 gravitational potential

T13 向心力 xiàng xīn lì	T13 轨道 guǐ dào	T13 卫星 wèi xīng
T13 地球同步 dì qiú tóng bù	T13 开普勒第三定律 kāi pǔ lēi dì sān dìng lǜ	T13 周期 zhōu qī
T13 引力势 yǐn lì shì	T13 角速度 jiǎo sù dù	T13 赤道 chì dào

T13 infinity	T13 scalar	T13 gravitational potential energy
T13 kinetic energy	T13 escape velocity	T14 heat
T14 temperature	T14 thermal equilibrium	T14 thermal energy

T13 重力势能 zhòng lì shì néng	T13 标量 biāo liàng	T13 无穷远 wú qióng yuǎn
T14 热量 rè liàng	T13 逃逸速度 táo yì sù dù	T13 动能 dòng néng
T14 热能 rè néng	T14 热平衡 rè píng héng	T14 温度 wēn dù

T14 thermometer	T14 capillary	T14 resistance
T14 thermocouple	T14 electromotive force	T14 calibration
T14 thermodynamic temperature	T14 absolute temperature	T14 kelvin

T14 电阻 diàn zǔ	T14 毛细管 máo xì guǎn	T14 温度计 wēn dù jì
T14 校准 jiào zhǔn	T14 电动势 diàn dòng shì	T14 热电偶 rè diàn ǒu
T14 开尔文 kāi ěr wén	T14 绝对温度 jué duì wēn dù	T14 热力学温度 rè lì xué wēn dù

T14 absolute zero	T14 internal energy	T14 Celsius
T14 specific heat capacity	T14 energy	T14 power
T14 mass	T14 insulation	T14 latent heat

T14 摄氏度 shè shì dù	T14 内能 nèi néng	T14 绝对零度 jué duì líng dù
T14 功率 gōng lǜ	T14 能量 néng liàng	T14 比热容 bǐ rè róng
T14 潜热 qián rè	T14 隔热 gé rè	T14 质量 zhì liàng

T14 specific latent heat	T14 fusion	T14 vaporisation
T14 intermolecular	T14 volume	T14 atmospheric pressure
T14 phase change	T15 amount of substance	T15 mole

T14 汽化 qì huà	T14 熔化 róng huà	T14 比潜热 bǐ qián rè
T14 大气压强 dà qì yā qiáng	T14 体积 tǐ jī	T14 分子间 fēn zǐ jiān
T15 摩尔 mó ěr	T15 物质的量 wù zhì dì liàng	T14 相变 xiāng biàn

T15 kelvin	T15 Avogadro constant	T15 atom
T15 monatomic	T15 molecule	T15 molar mass
T15 ideal gas	T15 thermodynamic temperature	T15 equation of state

T15 原子 yuán zì	T15 阿伏伽德罗常量 ā fú gā dé luó cháng liàng	T15 开尔文 kāi ěr wén
T15 摩尔质量 mó ěr zhì liàng	T15 分子 fēn zǐ	T15 单原子 dān yuán zì
T15 状态方程 zhuàng tài fāng chéng	T15 热力学温度 rè lì xué wēn dù	T15 理想气体 lǐ xiǎng qì tǐ

T15 pressure	T15 volume	T15 molar gas constant
T15 Boltzmann constant	T15 Boyle's law	T15 Charles's law
T15 pressure law	T15 kinetic theory	T15 random motion

T15 摩尔气体常量 mó ěr qì tǐ cháng liàng	T15 体积 tǐ jī	T15 压强 yā qiáng
T15 查理定律 chá lǐ dìng lǜ	T15 玻意耳定律 bō yì ěr dìng lǜ	T15 玻尔兹曼常量 bō ěr zī màn cháng liàng
T15 无规则运动 wú guī zé yùn dòng	T15 分子动理论 fēn zǐ dòng lǐ lùn	T15 气体压强定律 qì tǐ yā qiáng dìng lǜ

T15

intermolecular

T15

elastic collision

T15

momentum

T15

impulse

T15

mean square

T15

mean-square speed

T15

root-mean-square

T15

translational kinetic
energy

T15

internal energy

T15 动量 dòng liàng	T15 弹性碰撞 tán xìng pèng zhuàng	T15 分子间 fēn zǐ jiān
T15 均方速率 jūn fāng sù lǜ	T15 均方 jūn fāng	T15 冲量 chōng liàng
T15 内能 nèi néng	T15 平动动能 píng dòng dòng néng	T15 均方根 jūn fāng gēn

T15 kinetic energy	T16 internal energy	T16 kinetic energy
T16 molecule	T16 translational	T16 rotational
T16 vibrational	T16 ideal gas	T16 intermolecular

T16 动能 dòng néng	T16 内能 nèi néng	T15 动能 dòng néng
T16 转动 zhuǎn dòng	T16 平动 píng dòng	T16 分子 fēn zǐ
T16 分子间 fēn zǐ jiān	T16 理想气体 lǐ xiǎng qì tǐ	T16 振动 zhèn dòng

T16 temperature	T16 pressure	T16 volume
T16 amount of substance	T16 thermodynamic temperature	T16 phase change
T16 first law of thermodynamics	T16 conservation of energy	T16 isothermal

T16 体积 tǐ jī	T16 压强 yā qiáng	T16 温度 wēn dù
T16 相变 xiāng biàn	T16 热力学温度 rè lì xué wēn dù	T16 物质的量 wù zhì dì liàng
T16 等温 děng wēn	T16 能量守恒 néng liàng shǒu héng	T16 热力学第一定律 rè lì xué dì yí dìng lǚ

T16 adiabatic	T16 piston	T16 heat capacity
T16 monatomic	T16 latent heat	T17 simple harmonic motion
T17 acceleration	T17 equilibrium	T17 displacement

T16 热容 rè róng	T16 活塞 huó sāi	T16 绝热 jué rè
T17 简谐运动 jiǎn xié yùn dòng	T16 潜热 qián rè	T16 单原子 dān yuán zì
T17 位移 wèi yí	T17 平衡 píng héng	T17 加速度 jiā sù dù

T17 angular frequency	T17 spring	T17 pendulum
T17 capacitor	T17 amplitude	T17 period
T17 frequency	T17 phase difference	T17 velocity

T17 单摆 dān bǎi	T17 弹簧 tán huáng	T17 角频率 jiǎo pín lǜ
T17 周期 zhōu qī	T17 振幅 zhèn fú	T17 电容器 diàn róng qì
T17 速度 sù dù	T17 相位差 xiàng wèi chà	T17 频率 pín lǜ

T17 kinetic energy	T17 damping	T17 conservation of energy
T17 friction	T17 drag	T17 air resistance
T17 light damping	T17 critical damping	T17 galvanometer

T17 能量守恒 néng liàng shǒu héng	T17 阻尼 zǔ ní	T17 动能 dòng néng
T17 空气阻力 kōng qì zǔ lì	T17 阻力 zǔ lì	T17 摩擦力 mó cā lì
T17 检流计 jiǎn liú jì	T17 临界阻尼 lín jiè zǔ ní	T17 轻阻尼 qīng zǔ ní

T17 voltmeter	T17 heavy damping	T17 forced oscillation
T17 driving frequency	T17 resonance curve	T17 resonance
T17 natural frequency	T18 electric field	T18 force

T17 受迫振动 shòu pò zhèn dòng	T17 过阻尼 guò zǔ ní	T17 电压表 diàn yā biǎo
T17 共振 gòng zhèn	T17 共振曲线 gòng zhèn qū xiàn	T17 驱动频率 qū dòng pín lǜ
T18 力 lì	T18 电场 diàn chǎng	T17 固有频率 gù yǒu pín lǜ

T18 electric field strength	T18 test charge	T18 vector
T18 field line	T18 point charge	T18 dipole
T18 uniform field	T18 potential difference	T18 kinetic energy

T18 矢量 shǐ liàng	T18 检验电荷 jiǎn yàn diàn hè	T18 电场强度 diàn chǎng qiáng dù
T18 偶极子 ǒu jí zǐ	T18 点电荷 diǎn diàn hè	T18 场线 chǎng xiàn
T18 动能 dòng néng	T18 电势差 diàn shì chà	T18 匀强场 yún qiáng chǎng

T18 parabolic	T18 projectile	T18 cathode-ray tube
T18 Coulomb's law	T18 permittivity of free space	T18 conductor
T18 equipotential	T18 gravitational field	T18 vector sum

T18 阴极射线管 yīn jí shè xiàn guǎn	T18 抛体 pāo tǐ	T18 抛物线 pāo wù xiàn
T18 导体 dǎo tǐ	T18 真空电容率 zhēn kōng diàn róng lǜ	T18 库仑定律 kù lún dìng lǜ
T18 矢量和 shǐ liàng hé	T18 重力场 zhòng lì chǎng	T18 等势面 děng shì miàn

T18 electric potential	T18 infinity	T18 scalar
T18 potential gradient	T18 electric potential energy	T18 bound
T18 electron	T18 nucleus	T18 centripetal force

T18 标量 biāo liàng	T18 无穷远 wú qióng yuǎn	T18 电势 diàn shì
T18 束缚 shù fù	T18 电势能 diàn shì néng	T18 电势梯度 diàn shì tī dù
T18 向心力 xiàng xīn lì	T18 原子核 yuán zǐ hé	T18 电子 diàn zǐ

T18 gravitational potential	T19 capacitor	T19 conductor
T19 insulator	T19 dielectric	T19 vacuum
T19 potential difference	T19 capacitance	T19 farad

T19 导体 dǎo tǐ	T19 电容器 diàn róng qì	T18 引力势 yǐn lì shì
T19 真空 zhēn kōng	T19 电介质 diàn jiè zhì	T19 绝缘体 jué yuán tǐ
T19 法拉 fǎ lǎ	T19 电容 diàn róng	T19 电势差 diàn shì chà

T19 energy	T19 resistor	T19 resistance
T19 Kirchhoff's second law	T19 exponential decay	T19 time constant
T20 magnetic field	T20 current	T20 force

T19 电阻 diàn zǔ	T19 电阻器 diàn zǔ qì	T19 能量 néng liàng
T19 时间常数 shí jiān cháng shù	T19 指数衰减 zhǐ shù shuāi jiǎn	T19 基尔霍夫第二定律 jī ěr huò fū dì èr dìng lǜ
T20 力 lì	T20 电流 diàn liú	T20 磁场 cí chǎng

T20 permanent magnet	T20 field line	T20 bar magnet
T20 right-hand grip rule	T20 solenoid	T20 iron core
T20 electromagnet	T20 transformer	T20 magnetic flux density

T20 条形磁铁 tiáo xíng cí tiě	T20 场线 chǎng xiàn	T20 永磁体 yǒng cí tǐ
T20 铁芯 tiě xīn	T20 螺线管 luó xiàn guǎn	T20 右手定则 yòu shǒu dìng zé
T20 磁通密度 cí tōng mì dù	T20 变压器 biàn yā qì	T20 电磁铁 diàn cí tiě

T20 tesla	T20 Fleming's left-hand rule	T20 velocity
T20 uniform field	T20 kinetic energy	T20 centripetal force
T20 momentum	T20 helix	T20 Hall voltage

T20 速度 sù dù	T20 弗莱明左手定则 fú lái míng zuǒ shǒu dìng zé	T20 特斯拉 tè sī lǎ
T20 向心力 xiàng xīn lì	T20 动能 dòng néng	T20 匀强场 yún qiáng chǎng
T20 霍尔电压 huò ěr diàn yā	T20 螺旋 luó xuán	T20 动量 dòng liàng

T20 Hall effect	T20 drift velocity	T20 electric field
T20 Hall probe	T20 semiconductor	T20 velocity selector
T20 magnetic flux	T20 weber	T20 coil

T20 电场 diàn chǎng	T20 漂移速度 piāo yí sù dù	T20 霍尔效应 huò ěr xiào yìng
T20 速度选择器 sù dù xuǎn zé qì	T20 半导体 bàn dǎo tǐ	T20 霍尔探头 huò ěr tàn tóu
T20 线圈 xiàn quān	T20 韦伯 wéi bó	T20 磁通量 cí tōng liàng

T20 flux linkage	T20 electromotive force	T20 electromagnetic induction
T20 Faraday's law	T20 Lenz's law	T20 conservation of energy
T20 galvanometer	T20 eddy currents	T21 alternating current

T20 电磁感应 diàn cí gǎn yìng	T20 电动势 diàn dòng shì	T20 磁链 cí liàn
T20 能量守恒 néng liàng shǒu héng	T20 楞次定律 léng cì dìng lǜ	T20 法拉第定律 fǎ lā dì dìng lǜ
T21 交流电 jiāo liú diàn	T20 涡流 wō liú	T20 检流计 jiǎn liú jì

T21 voltage	T21 current	T21 period
T21 frequency	T21 angular frequency	T21 peak value
T21 peak-to-peak value	T21 cathode-ray oscilloscope	T21 time-base

T21 周期 zhōu qī	T21 电流 diàn liú	T21 电压 diàn yā
T21 峰值 fēng zhí	T21 角频率 jiǎo pín lǜ	T21 频率 pín lǜ
T21 时基 shí jī	T21 示波器 shì bō qì	T21 峰峰值 fēng fēng zhí

T21 power	T21 resistance	T21 root-mean-square
T21 rectification	T21 diode	T21 reverse-biased
T21 half-wave rectification	T21 bridge rectifier	T21 full-wave rectification

T21 均方根 jūn fāng gēn	T21 电阻 diàn zǔ	T21 功率 gōng lǜ
T21 反向偏置 fǎn xiàng piān zhì	T21 二极管 èr jí guǎn	T21 整流 zhěng liú
T21 全波整流 quán bō zhěng liú	T21 桥式整流器 qiáo shì zhěng liú qì	T21 半波整流 bàn bō zhěng liú

T21 capacitor	T21 time constant	T21 ripple
T21 smoothing	T22 photon	T22 quanta
T22 frequency	T22 Planck constant	T22 wavelength

T21 纹波 wén bō	T21 时间常数 shí jiān cháng shù	T21 电容器 diàn róng qì
T22 量子 liàng zǐ	T22 光子 guāng zi	T21 平滑 píng huá
T22 波长 bō cháng	T22 普朗克常量 pǔ lǎng kè cháng liàng	T22 频率 pín lǜ

T22 electronvolt	T22 kinetic energy	T22 electron
T22 potential difference	T22 momentum	T22 photoelectron
T22 photoelectric effect	T22 threshold frequency	T22 work function

T22 电子 diàn zǐ	T22 动能 dòng néng	T22 电子伏特 diàn zǐ fú tè
T22 光电子 guāng diàn zǐ	T22 动量 dòng liàng	T22 电势差 diàn shì chà
T22 逸出功 yì chū gōng	T22 极限频率 jí xiàn pín lǜ	T22 光电效应 guāng diàn xiào yìng

T22 interference	T22 diffraction grating	T22 diffraction
T22 wave–particle duality	T22 de Broglie wavelength	T22 crystal lattice
T22 electron diffraction	T22 discrete	T22 energy level

T22 衍射 yǎn shè	T22 衍射光栅 yǎn shè guāng shān	T22 干涉 gān shè
T22 晶格 jīng gé	T22 德布罗意波长 dé bù luó yì bō cháng	T22 波粒二象性 bō lì èr xiàng xìng
T22 能级 néng jí	T22 分立 fēn lì	T22 电子衍射 diàn zǐ yǎn shè

T22 ground state	T22 excited state	T22 emission spectrum
T22 transition	T22 absorption spectrum	T23 mass-energy equivalence
T23 energy	T23 nuclear reaction	T23 nucleon number

T22 发射光谱 fā shè guāng pǔ	T22 激发态 jī fā tài	T22 基态 jī tài
T23 质能等价 zhì néng děng jià	T22 吸收光谱 xī shōu guāng pǔ	T22 跃迁 yuè qiān
T23 核子数 hé zǐ shù	T23 核反应 hé fǎn yìng	T23 能量 néng liàng

T23 conservation of charge	T23 nucleus	T23 proton
T23 neutron	T23 mass defect	T23 binding energy
T23 binding energy per nucleon	T23 nuclear fusion	T23 kinetic energy

T23 质子 zhì zì	T23 原子核 yuán zǐ hé	T23 电荷守恒 diàn hè shǒu héng
T23 结合能 jié hé néng	T23 质量亏损 zhì liàng kuī sǔn	T23 中子 zhōng zǐ
T23 动能 dòng néng	T23 核聚变 hé jù biàn	T23 比结合能 bǐ jié hé néng

T23 electrostatic	T23 strong nuclear force	T23 nuclear fission
T23 chain reaction	T23 critical mass	T23 spontaneous
T23 random	T23 Geiger counter	T23 radionuclide

T23 核裂变 hé liè biàn	T23 强核力 qiáng hé lì	T23 静电 jìng diàn
T23 自发 zì fā	T23 临界质量 lín jiè zhì liàng	T23 链式反应 liàn shì fǎn yìng
T23 放射性核素 fàng shè xìng hé sù	T23 盖革计数器 gài gé jì shù qì	T23 随机 suí jī

T23 activity	T23 becquerel	T23 decay constant
T23 exponential decay	T23 count rate	T23 half-life
T24 piezo-electric	T24 electromotive force	T24 transducer

T23 衰变常数 shuāi biàn cháng shù	T23 贝克勒尔 bèi kè lēi ěr	T23 活度 huó dù
T23 半衰期 bàn shuāi qī	T23 计数率 jì shù lǜ	T23 指数衰减 zhǐ shù shuāi jiǎn
T24 换能器 huàn néng qì	T24 电动势 diàn dòng shì	T24 压电 yā diàn

T24 ultrasound	T24 longitudinal	T24 pulse-echo
T24 coupling gel	T24 specific acoustic impedance	T24 density
T24 intensity reflection coefficient	T24 attenuation coefficient	T24 X-ray tube

T24 脉冲回波 mài chōng huí bō	T24 纵波 zòng bō	T24 超声波 chāo shēng bō
T24 密度 mì dù	T24 声阻抗 shēng zǔ kàng	T24 耦合剂 ǒu hé jì
T24 X 射线管 X shè xiàn guǎn	T24 衰减系数 shuāi jiǎn xì shù	T24 强度反射系数 qiáng dù fǎn shè xì shù

T24 cathode	T24 thermionic emission	T24 vacuum
T24 target	T24 anode	T24 tungsten
T24 kinetic energy	T24 photon	T24 Bremsstrahlung

T24 真空 zhēn kōng	T24 热电子发射 rè diàn zǐ fā shè	T24 阴极 yīn jí
T24 钨 wū	T24 阳极 yáng jí	T24 靶 bǎ
T24 韧致辐射 rèn zhì fú shè	T24 光子 guāng zǐ	T24 动能 dòng néng

T24 characteristic	T24 attenuate	T24 contrast
T24 contrast medium	T24 half-value thickness	T24 computed tomography
T24 tracer	T24 metabolism	T24 positron emission tomography

T24 对比度 duì bǐ dù	T24 衰减 shuāi jiǎn	T24 特征 tè zhēng
T24 计算机断层扫描 jì suàn jī duàn céng sǎo miáo	T24 半值厚度 bàn zhí hòu dù	T24 造影剂 zào yǐng jì
T24 正电子发射断层扫描 zhèng diàn zǐ fā shè duàn céng sǎo miáo	T24 代谢 dài xiè	T24 示踪剂 shì zōng jì

T24 positron	T24 antiparticle	T24 annihilate
T24 electron	T24 momentum	T24 energy
T25 luminosity	T25 power	T25 energy

T24 湮灭 yān miè	T24 反粒子 fǎn lì zì	T24 正电子 zhèng diàn zì
T24 能量 néng liàng	T24 动量 dòng liàng	T24 电子 diàn zì
T25 能量 néng liàng	T25 功率 gōng lǜ	T25 光度 guāng dù

T25 radiant flux intensity	T25 inverse-square law	T25 standard candle
T25 Cepheid variables	T25 supernovae	T25 parallax
T25 blackbody	T25 wavelength	T25 temperature

T25 标准烛光 biāo zhǔn zhú guāng	T25 平方反比定律 píng fāng fǎn bǐ dìng lǜ	T25 辐射通量密度 fú shè tōng liàng mì dù
T25 视差 shì chà	T25 超新星 chāo xīn xīng	T25 造父变星 zào fù biàn xīng
T25 温度 wēn dù	T25 波长 bō cháng	T25 黑体 hēi tǐ

T25 Wien's displacement law	T25 Stefan–Boltzmann constant	T25 Stefan–Boltzmann law
T25 spectral lines	T25 redshift	T25 recession
T25 blueshifted	T25 Hubble's law	T25 Hubble constant

T25 斯特藩-玻尔兹曼定律 sī tè fān - bō ěr zī màn dìng lǜ	T25 斯特藩-玻尔兹曼常量 sī tè fān - bō ěr zī màn cháng liàng	T25 维恩位移定律 wéi ēn wèi yí dìng lǜ
T25 退行 tuì xíng	T25 红移 hóng yí	T25 谱线 pǔ xiàn
T25 哈勃常数 hā bó cháng shù	T25 哈勃定律 hā bó dìng lǜ	T25 蓝移 lán yí

T25 Big Bang	T25 cosmic microwave background

T25

宇宙微波背景

yǔ zhòu wēi bō bèi jǐng

T25

大爆炸

dà bào zhà