

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 density	T1 atmospheric pressure	T1 order of magnitude
T1 base quantities	T1 length	T1 current
T1 temperature	T1 derived unit	T1 speed

T1 数量级 shù liàng jí	T1 大气压强 dà qì yā qiáng	T1 密度 mì dù
T1 电流 diàn liú	T1 长度 cháng dù	T1 基本量 jī běn liàng
T1 速率 sù lǜ	T1 导出单位 dǎo chū dān wèi	T1 温度 wēn dù

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

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

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

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

T1 parallax	T1 accuracy	T1 precision
T1 random error	T1 instrument	T1 mean
T1 intercept	T1 division	T1 reaction time

T1 精密度 jīng mì dù	T1 准确度 zhǔn què dù	T1 视差 shì chà
T1 平均值 píng jūn zhí	T1 仪器 yí qì	T1 随机误差 suí jī wù chā
T1 反应时间 fǎn yìng shí jiān	T1 分度 fēn dù	T1 截距 jié jù

T1 half the range	T1 absolute uncertainty	T1 percentage uncertainty
T1 derived quantity	T1 diameter	T1 volume
T1 percentage difference	T1 same number of significant figures	T1 error bar

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 极差的一半 jí chà de yí bàn
T1 体积 tǐ jī	T1 直径 zhí jìng	T1 导出量 dǎo chū liàng
T1 误差棒 wù chā bàng	T1 有效数字 yǒu xiào shù zì	T1 百分比差异 bǎi fēn bǐ chā yì

T1 line of best fit	T1 worst acceptable line	T1 scalar
T1 vector	T1 electric charge	T1 displacement
T1 momentum	T1 coplanar	T1 resultant

T1 标量 biāo liàng	T1 最差可接受直线 zuì chā kě jiē shòu zhí xiàn	T1 最佳拟合直线 zuì jiā nǐ hé zhí xiàn
T1 位移 wèi yí	T1 电荷 diàn hè	T1 矢量 shǐ liàng
T1 合矢量 hé shǐ liàng	T1 共面 gòng miàn	T1 动量 dòng liàng

T1 scale drawing	T1 perpendicular	T1 components
T1 horizontal	T1 vertical	T1 inclined plane
T1 SI units	T1 ampere	T1 kelvin

T1 分量 fèn liàng	T1 垂直 chuí zhí	T1 按比例作图 àn bǐ lì zuò tú
T1 斜面 xié miàn	T1 竖直 shù zhí	T1 水平 shuǐ píng
T1 开尔文 kāi ěr wén	T1 安培 ān péi	T1 国际单位制 guó jì dān wèi zhì

T1 significant figures	T2 kinematics	T2 distance
T2 scalar	T2 displacement	T2 vector
T2 speed	T2 velocity	T2 acceleration

T2 距离 jù lí	T2 运动学 yùn dòng xué	T1 有效数字 yǒu xiào shù zì
T2 矢量 shǐ liàng	T2 位移 wèi yí	T2 标量 biāo liàng
T2 加速度 jiā sù dù	T2 速度 sù dù	T2 速率 sù lǜ

T2 uniform acceleration	T2 acceleration of free fall	T2 uniform gravitational field
T2 negligible	T2 deceleration	T2 graphical methods
T2 gradient	T2 tangent	T2 trapezium

T2 匀强重力场 yún qiáng zhòng lì chǎng	T2 自由落体加速度 zì yóu luò tǐ jiā sù dù	T2 匀加速 yún jiā sù
T2 图像法 tú xiàng fǎ	T2 减速度 jiǎn sù dù	T2 可忽略的 kě hū lüè de
T2 梯形 tī xíng	T2 切线 qiè xiàn	T2 斜率 xié lǜ

T2 gravity	T2 air resistance	T2 free fall
T2 symmetric	T2 terminal velocity	T2 parabola
T2 random error	T2 light gates	T2 reaction-time

T2 自由落体 zì yóu luò tǐ	T2 空气阻力 kōng qì zǔ lì	T2 重力 zhòng lì
T2 抛物线 pāo wù xiàn	T2 收尾速度 shōu wěi sù dù	T2 对称 duì chèn
T2 反应时间 fǎn yìng shí jiān	T2 光电门 guāng diàn mén	T2 随机误差 suí jī wù chā

T2 horizontal	T2 vertical	T2 range
T2 projectile	T2 component	T2 energy
T3 Mass	T3 force	T3 acceleration

T2 射程 shè chéng	T2 竖直 shù zhí	T2 水平 shuǐ píng
T2 能量 néng liàng	T2 分量 fèn liàng	T2 抛体 pāo tǐ
T3 加速度 jiā sù dù	T3 力 lì	T3 质量 zhì liàng

T3 scalar	T3 Linear momentum	T3 vector
T3 velocity	T3 resultant force	T3 collision
T3 impulse	T3 kinetic energy	T3 external force

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

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

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

T3 coefficient	T3 cross-sectional area	T3 terminal velocity
T3 uniform gravitational field	T3 upthrust	T3 hydrostatic pressure
T3 viscosity	T3 parachutist	T3 gravitational potential energy

T3 收尾速度 shōu wěi sù dù	T3 横截面积 héng jié miàn jī	T3 系数 xì shù
T3 流体静压强 liú tǐ jìng yā qiáng	T3 浮力 fú lì	T3 匀强重力场 yún qiáng zhòng lì chǎng
T3 重力势能 zhòng lì shì néng	T3 跳伞者 tiào sǎn zhě	T3 黏度 nián dù

T3 thermal energy	T3 driving force	T3 power
T3 conservation of momentum	T3 explosions	T3 recoil
T3 elastic collision	T3 relative speed	T3 inelastic collision

T3 功率 gōng lǜ	T3 驱动力 qū dòng lì	T3 热能 rè néng
T3 反冲 fǎn chōng	T3 爆炸 bào zhà	T3 动量守恒 dòng liàng shǒu héng
T3 非弹性碰撞 fēi tán xìng pèng zhuàng	T3 相对速率 xiāng duì sù lǜ	T3 弹性碰撞 tán xìng pèng zhuàng

T3 deformation	T3 head-on	T3 alpha particle
T3 stationary	T3 perpendicular	T3 components
T3 mass-flow rate	T4 weight	T4 centre of gravity

T3 α 粒子 α lì zi	T3 正面 zhèng miàn	T3 形变 xíng biàn
T3 分量 fèn liàng	T3 垂直 chuí zhí	T3 静止 jìng zhǐ
T4 重心 zhòng xīn	T4 重力 zhòng lì	T3 质量流率 zhì liàng liú lǜ

T4 centre of mass	T4 free-body diagram	T4 plumb line
T4 non-uniform	T4 moment	T4 force
T4 perpendicular distance	T4 line of action	T4 lever arm

T4 铅垂线 qiān chuí xiàn	T4 受力图 shòu lì tú	T4 质心 zhì xīn
T4 力 lì	T4 力矩 lì jǔ	T4 非均匀 fēi jūn yún
T4 力臂 lì bì	T4 作用线 zuò yòng xiàn	T4 垂直距离 chuí zhí jù lí

T4 pivot	T4 perpendicular	T4 clockwise
T4 anticlockwise	T4 couple	T4 torque
T4 translation	T4 equilibrium	T4 resultant force

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

T4 angular acceleration	T4 principle of moments	T4 closed vector triangle
T4 components	T4 sine rule	T4 cosine rule
T4 horizontal	T4 vertical	T4 Density

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

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

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

T4 displaced	T4 Archimedes' principle	T4 floating
T4 tension	T4 newton meter	T4 incompressible
T4 vector triangle	T5 Work	T5 displacement

T4 漂浮 pīāo fú	T4 阿基米德原理 ā jī mǐ dé yuán lǐ	T4 排开 pái kāi
T4 不可压缩 bù kě yā suō	T4 弹簧测力计 tán huáng cè lì jì	T4 张力 zhāng lì
T5 位移 wèi yí	T5 功 gōng	T4 矢量三角形 shǐ liàng sān jiǎo xíng

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	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
T5 bungee jumper	T6 deformation	T6 tensile
T6 extension	T6 compression	T6 load

T5 抛体 pāo tǐ	T5 劲度系数 jìn dù xì shù	T5 压缩 yā suō
T6 拉伸 lā shēn	T6 形变 xíng biàn	T5 蹦极者 bèng jí zhě
T6 负载 fù zài	T6 压缩 yā suō	T6 伸长量 shēn cháng liàng

T6 Hooke's law	T6 spring constant	T6 limit of proportionality
T6 elastic	T6 plastic	T6 series
T6 parallel	T6 stress	T6 cross-sectional area

T6 比例极限 bǐ lì jí xiàn	T6 劲度系数 jìn dù xì shù	T6 胡克定律 hú kè dìng lǚ
T6 串联 chuàn lián	T6 塑性 sù xìng	T6 弹性 tán xìng
T6 横截面积 héng jié miàn jī	T6 应力 yīng lì	T6 并联 bìng lián

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

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

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

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

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

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

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

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

T7 point source	T7 wavefront	T7 perpendicular
T7 compression	T7 rarefaction	T7 sine curve
T7 source	T7 stationary	T7 observer

T7 垂直 chuí zhí	T7 波前 bō qián	T7 点源 diǎn yuán
T7 正弦曲线 zhèng xián qū xiàn	T7 稀疏 xī shū	T7 压缩 yā suō
T7 观察者 guān chá zhě	T7 静止 jìng zhǐ	T7 波源 bō yuán

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

T7 真空 zhēn kōng	T7 电磁波 diàn cí bō	T7 多普勒效应 duō pǔ lè xiào yìng
T7 红外线 hóng wài xiàn	T7 微波 wēi bō	T7 电磁波谱 diàn cí bō pǔ
T7 γ 射线 γ shè xiàn	T7 X 射线 X shè xiàn	T7 紫外线 zǐ wài xiàn

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

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

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

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

T8 stationary wave	T8 reflected	T8 node
T8 antinode	T8 antiphase	T8 energy
T8 wavelength	T8 resonance tube	T8 fundamental

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

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

T8 水波槽 shuǐ bō cáo	T8 障碍物 zhàng ài wù	T8 衍射 yǎn shè
T8 狭缝 xiá fèng	T8 相干 xiāng gān	T8 干涉 gān shè
T8 路程差 lù chéng chà	T8 偏振 piān zhèn	T8 双缝 shuāng fèng

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

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

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

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

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

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

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

T9 电阻 diàn zǔ	T9 电压 diàn yā	T9 并联 bìng lián
T9 灯丝灯泡 dēng sī dēng pào	T9 欧姆定律 ōu mǔ dìng lǜ	T9 欧姆 ōu mǔ
T9 绝缘体 jué yuán tǐ	T9 电阻率 diàn zǔ lǜ	T9 二极管 èr jí guǎn

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

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

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

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

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

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

T10 junction	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 回路 huí lù	T10 电荷守恒 diàn hè shǒu héng	T10 节点 jié diǎn
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 能量守恒 néng liàng shǒu héng
T10 变阻器 biàn zǔ qì	T10 电压 diàn yā	T10 分压器 fēn yā qì

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

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

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

T11 α 粒子 α lì zǐ	T10 零点法 líng diǎn fǎ	T10 检流计 jiǎn liú jì
T11 质子 zhì zǐ	T11 原子核 yuán zǐ hé	T11 偏转 piān zhuǎn
T11 核素 hé sù	T11 电子 diàn zǐ	T11 中子 zhōng zǐ

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

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

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

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

T11 daughter nucleus	T11 excited state	T11 antiparticle
T11 antineutrino	T11 neutrino	T11 momentum
T11 energy	T11 fundamental	T11 quark

T11 反粒子 fǎn lì zì	T11 激发态 jī fā tài	T11 子核 zǐ hé
T11 动量 dòng liàng	T11 中微子 zhōng wēi zǐ	T11 反中微子 fǎn zhōng wēi zǐ
T11 夸克 kuā kè	T11 基本粒子 jī běn lì zǐ	T11 能量 néng liàng

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

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

T12 angular speed	T12 revolution	T12 period
T12 frequency	T12 circumference	T12 tangential
T12 velocity	T12 acceleration	T12 centripetal acceleration

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

T12 perpendicular	T12 force	T12 centripetal force
T12 tension	T12 friction	T12 banked
T12 normal contact force	T12 satellite	T12 orbit

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

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

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

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

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

T13 轨道 guǐ dào	T13 卫星 wèi xīng	T13 万有引力常量 wàn yǒu yǐn lì cháng liàng
T13 开普勒第三定律 kāi pǔ lēi dì sān dìng lǜ	T13 周期 zhōu qī	T13 向心力 xiàng xīn lì
T13 角速度 jiǎo sù dù	T13 赤道 chì dào	T13 地球同步 dì qiú tóng bù

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

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

T14 thermal energy	T14 thermometer	T14 capillary
T14 resistance	T14 thermocouple	T14 electromotive force
T14 calibration	T14 thermodynamic temperature	T14 absolute temperature

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

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

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

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

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

T15 mole	T15 kelvin	T15 Avogadro constant
T15 atom	T15 monatomic	T15 molecule
T15 molar mass	T15 ideal gas	T15 thermodynamic temperature

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 mó ěr
T15 分子 fēn zǐ	T15 单原子 dān yuán zǐ	T15 原子 yuán zǐ
T15 热力学温度 rè lì xué wēn dù	T15 理想气体 lǐ xiǎng qì tǐ	T15 摩尔质量 mó ěr zhì liàng

T15 equation of state	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 体积 tǐ jī	T15 压强 yā qiáng	T15 状态方程 zhuàng tài fāng chéng
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 摩尔气体常量 mó ěr qì tǐ cháng liàng
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 查理定律 chá lǐ dìng lǜ

T15 random motion	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 弹性碰撞 tán xìng pèng zhuàng	T15 分子间 fēn zǐ jiān	T15 无规则运动 wú guī zé yùn dòng
T15 均方 jūn fāng	T15 冲量 chōng liàng	T15 动量 dòng liàng
T15 平动动能 píng dòng dòng néng	T15 均方根 jūn fāng gēn	T15 均方速率 jūn fāng sù lǜ

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

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

T16 intermolecular	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 压强 yā qiáng	T16 温度 wēn dù	T16 分子间 fēn zǐ jiān
T16 热力学温度 rè lì xué wēn dù	T16 物质的量 wù zhì dì liàng	T16 体积 tǐ jī
T16 能量守恒 néng liàng shǒu héng	T16 热力学第一定律 rè lì xué dì yí dìng lǜ	T16 相变 xiāng biàn

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

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

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

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

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

T17 阻尼 zǔ ní	T17 动能 dòng néng	T17 速度 sù dù
T17 阻力 zǔ lì	T17 摩擦力 mó cā lì	T17 能量守恒 néng liàng shǒu héng
T17 临界阻尼 lín jiè zǔ ní	T17 轻阻尼 qīng zǔ ní	T17 空气阻力 kōng qì zǔ lì

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

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

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

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

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

T18 vector sum	T18 electric potential	T18 infinity
T18 scalar	T18 potential gradient	T18 electric potential energy
T18 bound	T18 electron	T18 nucleus

T18 无穷远 wú qióng yuǎn	T18 电势 diàn shì	T18 矢量和 shǐ liàng hé
T18 电势能 diàn shì néng	T18 电势梯度 diàn shì tī dù	T18 标量 biāo liàng
T18 原子核 yuán zǐ hé	T18 电子 diàn zǐ	T18 束缚 shù fù

T18 centripetal force	T18 gravitational potential	T19 capacitor
T19 conductor	T19 insulator	T19 dielectric
T19 vacuum	T19 potential difference	T19 capacitance

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

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

T19 电阻器 diàn zǔ qì	T19 能量 néng liàng	T19 法拉 fǎ lǎ
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	T19 电阻 diàn zǔ
T20 电流 diàn liú	T20 磁场 cí chǎng	T19 时间常数 shí jiān cháng shù

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

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

T20 magnetic flux density	T20 tesla	T20 Fleming's left-hand rule
T20 velocity	T20 uniform field	T20 kinetic energy
T20 centripetal force	T20 momentum	T20 helix

T20 弗莱明左手定则 fú lái míng zuǒ shǒu dìng zé	T20 特斯拉 tè sī lā	T20 磁通密度 cí tōng mì dù
T20 动能 dòng néng	T20 匀强场 yún qiáng chǎng	T20 速度 sù dù
T20 螺旋 luó xuán	T20 动量 dòng liàng	T20 向心力 xiàng xīn lì

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

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

T20 coil	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

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

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

T21 电流 diàn liú	T21 电压 diàn yā	T21 交流电 jiāo liú diàn
T21 角频率 jiǎo pín lǜ	T21 频率 pín lǜ	T21 周期 zhōu qī
T21 示波器 shì bō qì	T21 峰峰值 fēng fēng zhí	T21 峰值 fēng zhí

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

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

T21 full-wave rectification	T21 capacitor	T21 time constant
T21 ripple	T21 smoothing	T22 photon
T22 quanta	T22 frequency	T22 Planck constant

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

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

T22 动能 dòng néng	T22 电子伏特 diàn zǐ fú tè	T22 波长 bō cháng
T22 动量 dòng liàng	T22 电势差 diàn shì chà	T22 电子 diàn zǐ
T22 极限频率 jí xiàn pín lǜ	T22 光电效应 guāng diàn xiào yìng	T22 光电子 guāng diàn zǐ

T22 work function	T22 interference	T22 diffraction grating
T22 diffraction	T22 wave-particle duality	T22 de Broglie wavelength
T22 crystal lattice	T22 electron diffraction	T22 discrete

T22 衍射光栅 yǎn shè guāng shān	T22 干涉 gān shè	T22 逸出功 yì chū gōng
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 衍射 yǎn shè
T22 分立 fēn lì	T22 电子衍射 diàn zǐ yǎn shè	T22 晶格 jīng gé

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

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

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

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

T23 强核力 qiáng hé lì	T23 静电 jìng diàn	T23 动能 dòng néng
T23 临界质量 lín jiè zhì liàng	T23 链式反应 liàn shì fǎn yìng	T23 核裂变 hé liè biàn
T23 盖革计数器 gài gé jì shù qì	T23 随机 suí jī	T23 自发 zì fā

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

T23 贝克勒尔 bèi kè lēi ěr	T23 活度 huó dù	T23 放射性核素 fàng shè xìng hé sù
T23 计数率 jì shù lǜ	T23 指数衰减 zhǐ shù shuāi jiǎn	T23 衰变常数 shuāi biàn cháng shù
T24 电动势 diàn dòng shì	T24 压电 yā diàn	T23 半衰期 bàn shuāi qī

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

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

T24 X-ray tube	T24 cathode	T24 thermionic emission
T24 vacuum	T24 target	T24 anode
T24 tungsten	T24 kinetic energy	T24 photon

T24 热电子发射 rè diàn zǐ fā shè	T24 阴极 yīn jí	T24 X 射线管 X shè xiàn guǎn
T24 阳极 yáng jí	T24 靶 bǎ	T24 真空 zhēn kōng
T24 光子 guāng zǐ	T24 动能 dòng néng	T24 钨 wū

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

T24 衰减 shuāi jiǎn	T24 特征 tè zhēng	T24 韧致辐射 rèn zhì fú shè
T24 半值厚度 bàn zhí hòu dù	T24 造影剂 zào yǐng jì	T24 对比度 duì bǐ dù
T24 代谢 dài xiè	T24 示踪剂 shì zōng jì	T24 计算机断层扫描 jì suàn jī duàn céng sǎo miáo

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

T24 反粒子 fǎn lì zǐ	T24 正电子 zhèng diàn zǐ	T24 正电子发射断层扫描 zhèng diàn zǐ fā shè duàn céng sǎo miáo
T24 动量 dòng liàng	T24 电子 diàn zǐ	T24 湮灭 yān miè
T25 功率 gōng lǜ	T25 光度 guāng dù	T24 能量 néng liàng

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

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

T25 temperature	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 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 lǚ	T25 温度 wēn dù
T25 红移 hóng yí	T25 谱线 pǔ xiàn	T25 斯特藩-玻尔兹曼 定律 sī tè fān - bō ěr zī màn dìng lǚ
T25 哈勃定律 hā bó dìng lǚ	T25 蓝移 lán yí	T25 退行 tuì xíng

T25 Hubble constant	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

T25

哈勃常数

hā bó cháng shù