

T1 Kinematics	T1 scalar	T1 magnitude
T1 vector	T1 Displacement	T1 Velocity
T1 speed	T1 Acceleration	T1 average velocity

T1 大小 dà xiǎo	T1 标量 biāo liàng	T1 运动学 yùn dòng xué
T1 速度 sù dù	T1 位移 wèi yí	T1 矢量 shǐ liàng
T1 平均速度 píng jūn sù dù	T1 加速度 jiā sù dù	T1 速率 sù lǜ

T1 instantaneous velocity	T1 deceleration	T1 free fall
T1 reference frame	T1 relative motion	T1 inertial reference frame
T1 components	T1 projectile motion	T1 trajectory

T1 自由落体 zì yóu luò tǐ	T1 减速 jiǎn sù	T1 瞬时速度 shùn shí sù dù
T1 惯性参考系 guàn xìng cān kǎo xì	T1 相对运动 xiāng duì yùn dòng	T1 参考系 cān kǎo xì
T1 轨迹 guǐ jì	T1 抛体运动 pāo tǐ yùn dòng	T1 分量 fèn liàng

T1 range	T1 distance	T1 air resistance
T2 system	T2 center of mass	T2 force
T2 free-body diagram	T2 Newton's third law	T2 Newton's first law

T1 空气阻力 kōng qì zǔ lì	T1 距离 jù lí	T1 射程 shè chéng
T2 力 lì	T2 质心 zhì xīn	T2 系统 xì tǒng
T2 牛顿第一定律 niú dùn dì yí dìng lǚ	T2 牛顿第三定律 niú dùn dì sān dìng lǚ	T2 受力图 shòu lì tú

T2 inertia	T2 net force	T2 translational equilibrium
T2 Newton's second law	T2 gravitational field strength	T2 Newton's law of gravitation
T2 Inertial mass	T2 gravitational mass	T2 Friction

T2 平衡 píng héng	T2 合力 hé lì	T2 惯性 guàn xìng
T2 万有引力定律 wàn yǒu yǐn lì dìng lǜ	T2 重力场强度 zhòng lì chǎng qiáng dù	T2 牛顿第二定律 niú dùn dì èr dìng lǜ
T2 摩擦力 mó cā lì	T2 引力质量 yǐn lì zhì liàng	T2 惯性质量 guàn xìng zhì liàng

T2 Kinetic friction	T2 Static friction	T2 normal force
T2 coefficient of friction	T2 restoring force	T2 Hooke's law
T2 spring constant	T2 centripetal acceleration	T2 net inward (centripetal) force

T2 法向力 fǎ xiàng lì	T2 静摩擦 jìng mó cā	T2 动摩擦 dòng mó cā
T2 胡克定律 hú kè dìng lǜ	T2 回复力 huí fù lì	T2 摩擦系数 mó cā xì shù
T2 向心力 xiàng xīn lì	T2 向心加速度 xiàng xīn jiā sù dù	T2 弹簧常数 tán huáng cháng shù

T2 period	T2 frequency	T2 weight
T2 tension	T2 incline	T3 Energy
T3 joules	T3 kinetic energy	T3 Work

T2 重力 zhòng lì	T2 频率 pín lǜ	T2 周期 zhōu qī
T3 能量 néng liàng	T2 斜面 xié miàn	T2 张力 zhāng lì
T3 功 gōng	T3 动能 dòng néng	T3 焦耳 jiāo ěr

T3 work–energy theorem	T3 Potential energy	T3 Gravitational potential energy
T3 Elastic potential energy	T3 conservative forces	T3 total mechanical energy
T3 conserved	T3 thermal energy	T3 Power

T3 重力势能 zhòng lì shì néng	T3 势能 shì néng	T3 动能定理 dòng néng dìng lǐ
T3 机械能 jī xiè néng	T3 保守力 bǎo shǒu lì	T3 弹性势能 tán xìng shì néng
T3 功率 gōng lǜ	T3 热能 rè néng	T3 守恒 shǒu héng

T3 watts	T3 efficiency	T4 Linear momentum
T4 impulse	T4 conserved	T4 collisions
T4 center-of-mass velocity	T4 elastic collision	T4 inelastic collision

T4 动量 dòng liàng	T3 效率 xiào lǜ	T3 瓦特 wǎ tè
T4 碰撞 pèng zhuàng	T4 守恒 shǒu héng	T4 冲量 chōng liàng
T4 非弹性碰撞 fēi tán xìng pèng zhuàng	T4 弹性碰撞 tán xìng pèng zhuàng	T4 质心速度 zhì xīn sù dù

T4 recoil	T5 angular displacement	T5 radians
T5 angular velocity	T5 angular acceleration	T5 Torque
T5 moment arm	T5 Rotational inertia	T5 rotational equilibrium

T5 弧度 hú dù	T5 角位移 jiǎo wèi yí	T4 反冲 fǎn chōng
T5 力矩 lì jǔ	T5 角加速度 jiǎo jiā sù dù	T5 角速度 jiǎo sù dù
T5 转动平衡 zhuǎn dòng píng héng	T5 转动惯量 zhuǎn dòng guàn liàng	T5 力臂 lì bì

T6 rotational kinetic energy	T6 Angular momentum	T6 angular impulse
T6 conserved	T6 Rolling without slipping	T6 satellite
T6 Escape velocity	T7 Simple harmonic motion	T7 oscillation

T6 角冲量 jiǎo chōng liàng	T6 角动量 jiǎo dòng liàng	T6 转动动能 zhuǎn dòng dòng néng
T6 卫星 wèi xīng	T6 纯滚动 chún gǔn dòng	T6 守恒 shǒu héng
T7 振动 zhèn dòng	T7 简谐运动 jiǎn xié yùn dòng	T6 逃逸速度 táo yì sù dù

T7 restoring force	T7 period	T7 frequency
T7 amplitude	T7 angular frequency	T7 phase
T7 equilibrium	T8 fluid	T8 Density

T7 频率 pín lǜ	T7 周期 zhōu qī	T7 回复力 huí fù lì
T7 相位 xiàng wèi	T7 角频率 jiǎo pín lǜ	T7 振幅 zhèn fú
T8 密度 mì dù	T8 流体 liú tǐ	T7 平衡 píng héng

T8 ideal fluid	T8 incompressible	T8 viscosity
T8 Pressure	T8 scalar	T8 depth
T8 gauge pressure	T8 absolute pressure	T8 buoyant force

T8 黏度 nián dù	T8 不可压缩 bù kě yā suō	T8 理想流体 lǐ xiǎng liú tǐ
T8 深度 shēn dù	T8 标量 biāo liàng	T8 压强 yā qiáng
T8 浮力 fú lì	T8 绝对压强 jué duì yā qiáng	T8 表压 biǎo yā

T8 Archimedes' principle	T8 Continuity	T8 Bernoulli's equation

T8 伯努利方程 bó nǚ lì fāng chéng	T8 连续性 lián xù xìng	T8 阿基米德原理 ā jī mǐ dé yuán lǐ