

【科学词汇】

牛顿运动定律

1	niú dùn yùn dòng dìng lǜ 牛顿运动定律	Newton's Law of Motion	第一运动定律：惯性定律 第二运动定律： $F=M \cdot A$ 第三运动定律：作用力、反作用力
2	yùn dòng 运动	motion	
3	guàn xìng 惯性	inertia	a property of matter by which it continues in its existing state of rest or uniform motion in a straight line, unless that state is changed by an external force. jìng zhě héng jìng , dòng zhě héng dòng 静者恒静，动者恒动
4	jiā sù dù 加速度	acceleration	Acceleration, rate at which velocity changes with time, in terms of both speed and direction.
5	zhì liàng 质量	mass	
6	zuò yòng lì 作用力	action force	
7	fǎn zuò yòng lì 反作用力	reaction force	
8	tuī lì 推力	thrust	Thrust is a reaction force described quantitatively by Newton's third law. When a system expels or accelerates mass in one direction, the accelerated mass will cause a force of equal magnitude but opposite direction to be applied to that system.

9	sù dù 速度	speed	Speed is the time rate at which an object is moving along a path
10	sù lǜ 速率	Velocity	Velocity is the rate and direction of an object's movement.
11	jìng lì 净力	Net force	The sum of all the forces that act upon an object.
12	hé lì wéi líng 合力为零	Net force is zero	When an object is in equilibrium (either at rest or moving with constant velocity), the net force acting on it zero.
13	píng héng 平衡	balanced	
14	zhuàng jī 撞击	collide	
15	sǔn hài 损害	damage	
16	shī lì 施力	to exert forces on...	
17	mó cā lì 摩擦力	friction	
18	cān zhào xì 参照系	Frame of reference	A frame of reference is a perspective that one uses to determine if an object is moving.