

Electric Charges, Fields, and Gauss's Law

AP Physics C: Electricity and Magnetism · Vocabulary

English	中文	Pinyin
 Electric charge	电荷	diàn hè
 quantized	量子化	liàng zǐ huà
 elementary charge	基本电荷	jī běn diàn hè
 conservation of charge	电荷守恒	diàn hè shǒu héng
· point charges	点电荷	diǎn diàn hè
 Coulomb's law	库仑定律	kù lún dìng lǜ
 inverse-square	平方反比	píng fāng fǎn bǐ
 superposition	叠加	dié jiā
 conductor	导体	dǎo tǐ
 insulator	绝缘体	jué yuán tǐ
 Charging by friction	摩擦起电	mó cā qǐ diàn
 Charging by conduction	传导起电	chuán dǎo qǐ diàn
 Charging by induction	感应起电	gǎn yìng qǐ diàn
↓ ground	接地	jiē dì
 polarization	极化	jí huà
 electroscope	验电器	yàn diàn qì
 electric field	电场	diàn chǎng
 test charge	检验电荷	jiǎn yàn diàn hè
⋯ Field lines	电场线	diàn chǎng xiàn
= uniform	均匀	jūn yún
⋯ continuous charge distribution	连续电荷分布	lián xù diàn hè fēn bù
≡ linear charge density	线电荷密度	xiàn diàn hè mì dù
⊕ surface charge density	面电荷密度	miàn diàn hè mì dù
⊙ volume charge density	体电荷密度	tǐ diàn hè mì dù
⊥ symmetry	对称性	duì chèn xìng
⊞ Electric flux	电通量	diàn tōng liàng
⊞ area vector	面积矢量	miàn jī shǐ liàng
⊞ Gauss's law	高斯定律	gāo sī dìng lǜ
⊙ Gaussian surface	高斯面	gāo sī miàn
⊙ spherical symmetry	球对称	qiú duì chèn
⊞ cylindrical symmetry	柱对称	zhù duì chèn
⊞ planar symmetry	平面对称	píng miàn duì chèn