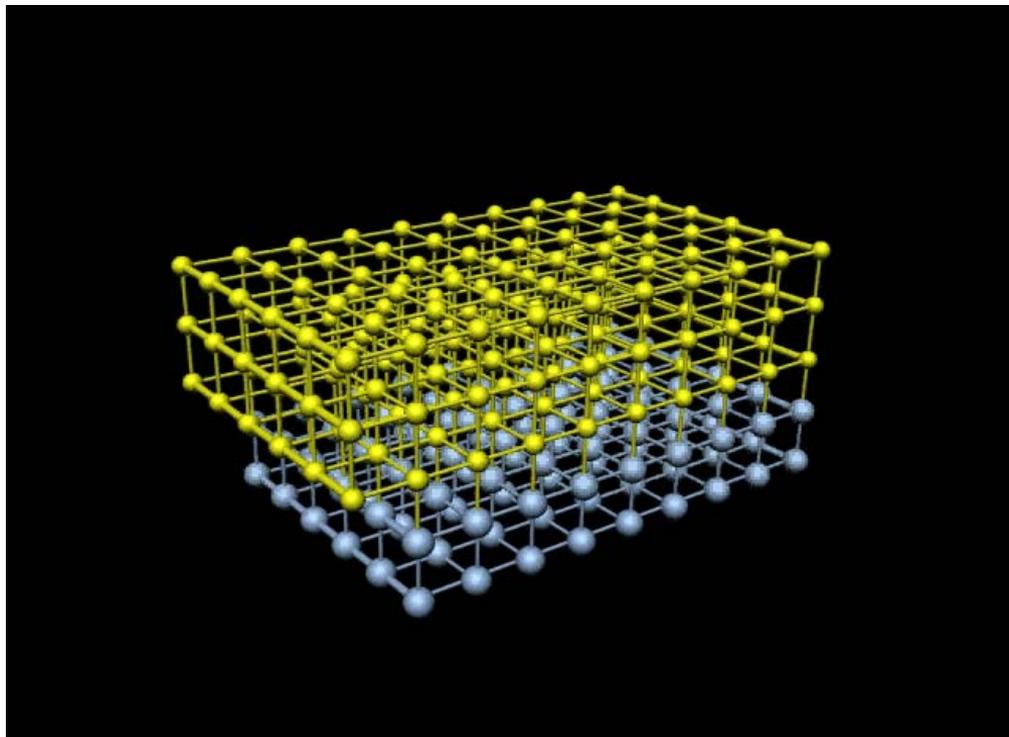




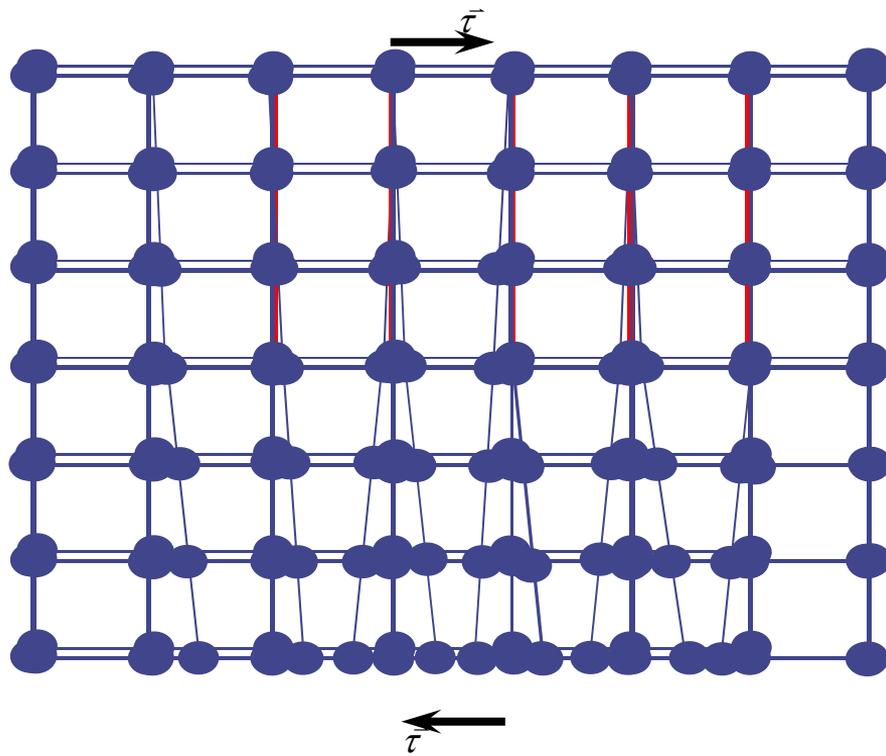


第六讲 刃位错的滑移

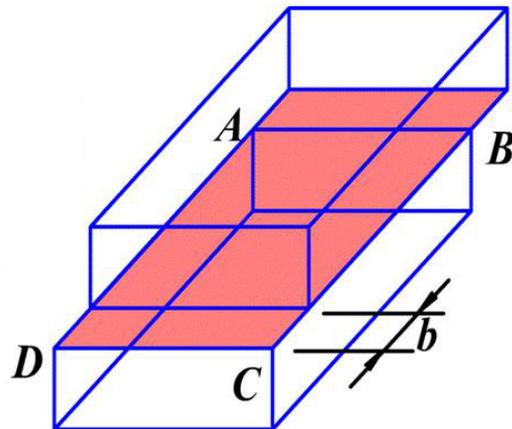
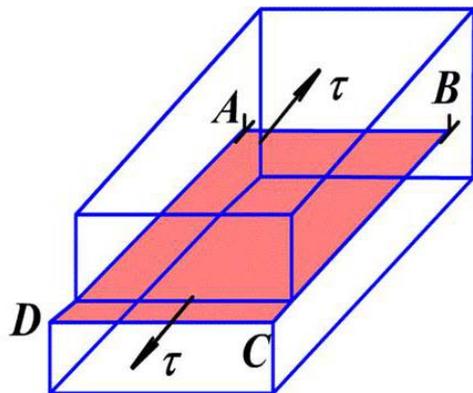
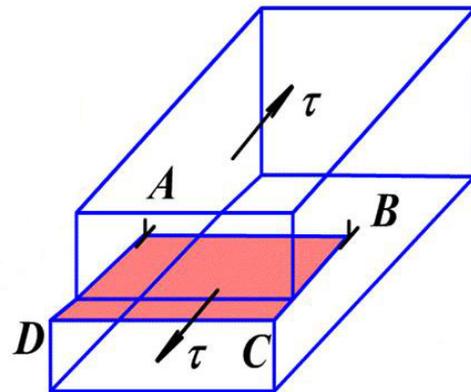
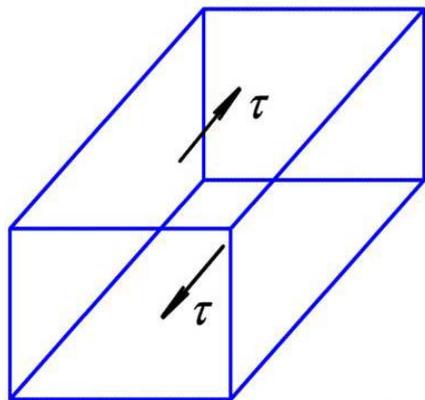


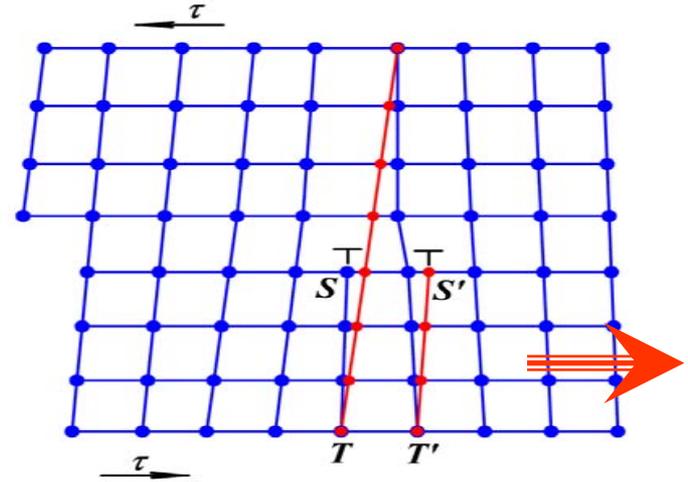
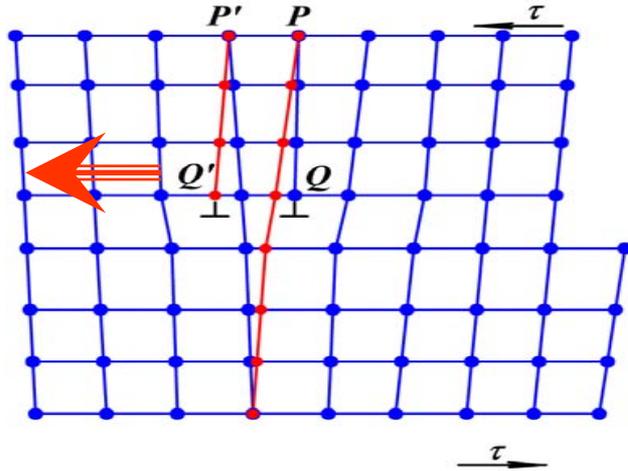


刃位错运动示意



半原子面依次逐排运动







刃位错滑移特征:

- ① 位错逐排依次前进，实现两原子面的相对滑移
- ② 滑移量 = 柏氏矢量的模
- ③ 外力 $\tau // b$ ，位错线 $\perp \tau$ ，位错线运动方向 $// \tau$
- ④ τ 一定时，正、负位错运动方向相反，但最终滑移效果相同
- ⑤ 滑移面唯一

