

X $[11\bar{2}]$



Z $[111]$

Lattice constant
 $a_0 = 3.81 \text{ \AA}$

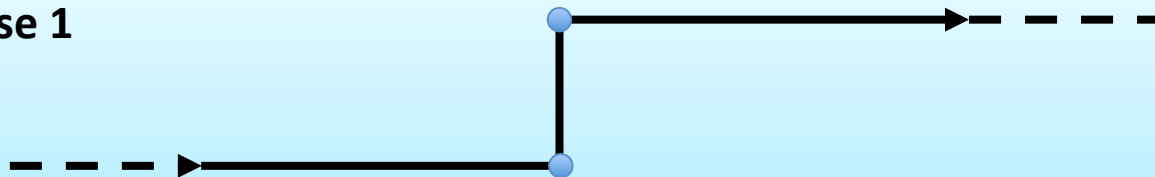
Shear modulus:
 $G = 160 \text{ GPa}$

Poisson's ratio:
0.28

Kink height:
 $h = a_0 6^{1/2}/3 = 2.6 \text{ \AA}$

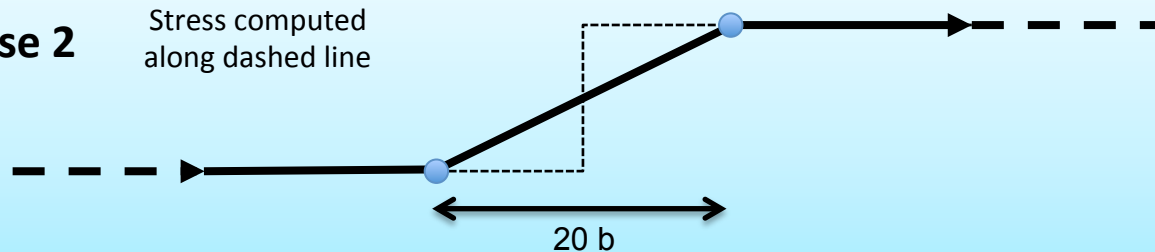
Non-singular core width:
 $a = 0.5 \cdot b = 1.4 \text{ \AA}$

Case 1



Case 2

Stress computed
along dashed line



Case 3

