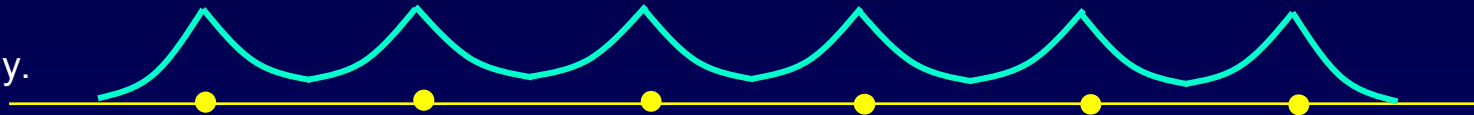


Electron states in a crystal (2)

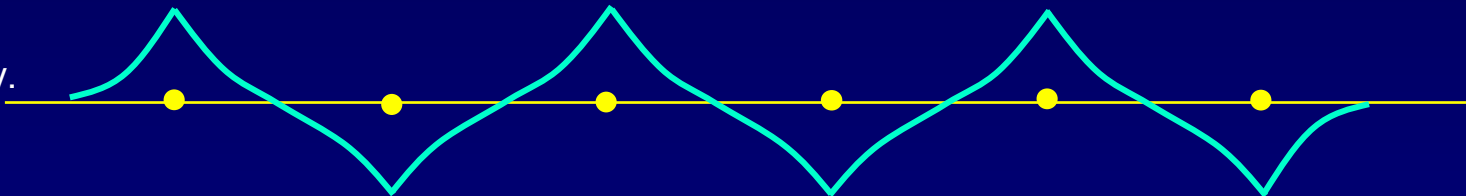
The lowest energy combination is just the sum of the atomic states.
This is a generalization of the 2-atom bonding state.

No nodes!
Lowest energy.



The highest energy state is the one where every adjacent pair of atoms has a minus sign:

N-1 nodes!
Highest energy.



There are N states, with energies lying between these extremes.

