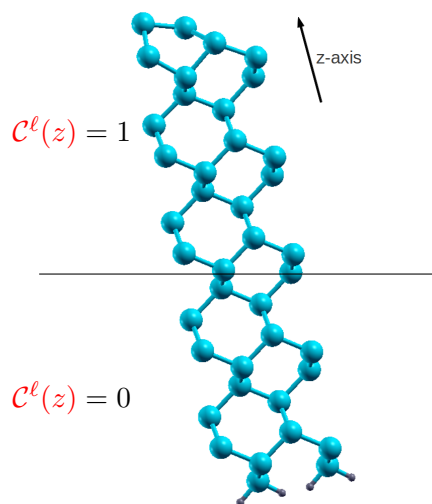


Si(001)2 × 1 reconstruction

$$\chi_{2 \times 1}^{xxx} \neq 0$$



$$\text{H-terminated} \Rightarrow \chi_{\text{H}}^{xxx} = 0$$