Notes 01/23

Wednesday, January 23, 2008 10:01 AM

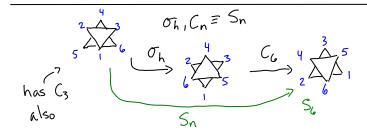


Notes 0123

Audio recording started: 10:02 AM Wednesday, January 23, 2008

Symmetry elements

- E:Identity
- o i:inversion
- o C_n: Rotation (proper)
- $\circ \quad \sigma\text{:}\,mirror$
- $\circ \quad S_n \hbox{:} improper rotato in$



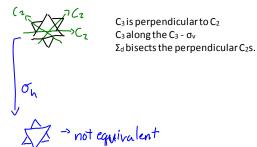


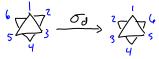
 $All\,S_n\,run\,along\,principle\,rotation\,axis$



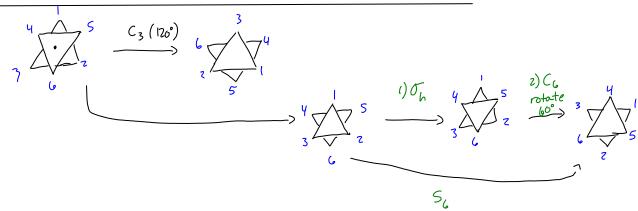
- 1. Determine the principle rotation axis
- 2. Are there any perpendicular C_2 ?
- 3. Are there σ_h , σ_v , σ_d

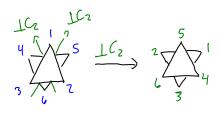
What is σ_d ... we never covered this:

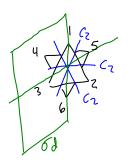


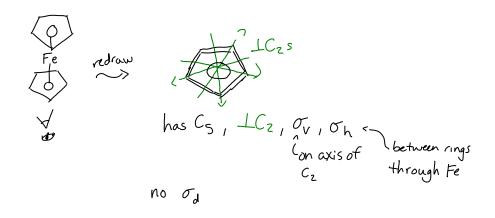


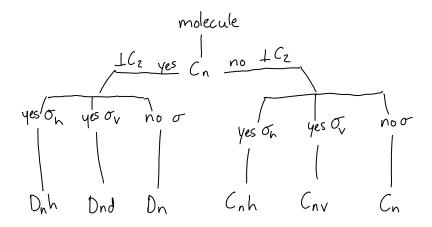
 σ_d - along the principal rotation axis and bisects the perpendicular C_2 (does not contain the perpendicular C_2 axis)

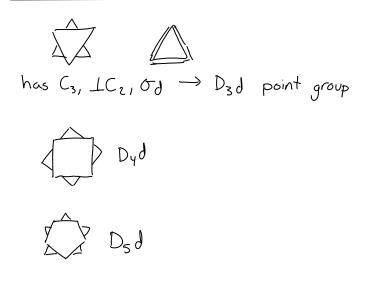












Eclipsed forms: