Nuclear Magnetic Resonance
Indistinguishable protons

- What are the allowed transitions in the case of indistinguishable protons?
- Energy level diagram
Indistinguishable protons

- Transition moment integral

- Operation of transition moment integral on $\psi_3$ as the initial state.
Indistinguishable protons

- Operation of transition moment integral on $\psi_2$ as the initial state.

- Energy difference
N+1 Rule

- Splitting of NMR signal described by N+1 rule.
- Examples