

CHAPTER OVERVIEW

11: Evaluating the Matrix Elements of N-electron Wavefunctions

One must be able to evaluate the matrix elements among properly symmetry adapted N-electron configuration functions for any operator, the electronic Hamiltonian in particular. The Slater-Condon rules provide this capability

[11.1: Configuration State Functions can Express the Full N-Electron Wavefunction](#)

[11.2: The Slater-Condon Rules Give Expressions for the Operator Matrix Elements Among the CSFs](#)

[11.3: The Slater-Condon Rules](#)

[11.4: Examples of Applying the Slater-Condon Rules](#)

[11.S: Evaluating the Matrix Elements of N-electron Wavefunctions \(Summary\)](#)

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