

## term symbols

Symbols characterizing the states of atoms and molecules in terms of multiplicity, symmetry of the total electronic wavefunction, and sometimes total (orbital + spin) angular momentum. Examples:  ${}^2P_{1/2}$  denotes an atomic state of multiplicity 2 (doublet), electron orbital angular momentum quantum number  $L = 1$ , and orbital plus spin angular momentum quantum number  $J = \frac{1}{2}$ .

**Source:**

Green Book, 2nd ed., p. 28