List of Symbols

*J* Resultant total angular momentum quantum number, excluding nuclear spins.

*N* Rotational angular momentum quantum number, excluding electron and nuclear spins, in the case where electron spin is present.

*K* Projection of *J* (or *N*) on the symmetry axis in the limiting prolate or oblate symmetric top.

*F*1 Resultant angular momentum quantum number including nuclear spin for one nucleus.

*F* Resultant total angular momentum quantum number.

λ or Quantum number employed when *F*1 is not a good quantum number. This value

ϵ simply numbers the levels from lowest to highest energy for the same *F* quantum

 number.