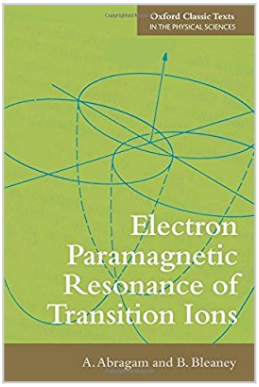

Electron Paramagnetic Resonance of Transition Ions (Oxford Classic Texts in the Physical Sciences)

By A. Abragam, B. Bleaney

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This book is a reissue of a classic Oxford text, and provides a comprehensive treatment of electron paramagnetic resonance of ions of the transition groups. The emphasis is on basic principles, with numerous references to publications containing further experimental results and more detailed developments of the theory. An introductory survey gives a general understanding, and a general survey presents such topics as the classical and quantum resonance equations, the spin-Hamiltonian, Endor, spin-spin and spin-lattice interactions, together with an outline of the known behaviour of ions of each of the five transition groups, at the experimentalist's level. Finally a theoretical survey, using group theory and symmetry properties, discusses the fundamentals of the theory of paramagnetism.

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