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metals"; "4. MAGNETIC PROPERTIES"

"4.1 EXCHANGE INTERACTIONS AND THE HEISENBERG MODEL FOR LOCALIZED SPINS"; "4.2 MAGNETIC SUSCEPTIBILITY OF PARAMAGNETIC TRANSITION METALS"; "4.3 ITINERANT ELECTRON FERROMAGNETISM AND THE STONER THEORY"; "4.4 SPIN-FLUCTUATION THEORIES"; "4.5 ELECTRONIC STRUCTURE AND PROPERTIES OF HALF-METALLIC FERROMAGNETS"; "4.6 MAGNETISM OF HIGHLY-CORRELATED d-SYSTEMS"; "4.7 MAGNETISM OF RARE EARTHS AND ACTINIDES"; "4.8 MAGNETIC ANISOTROPY"; "4.8.1 Quenching of orbital momenta by periodic lattice potential and magnetic anisotropy of d-metals"; "4.8.2 Magnetic anisotropy of rare earths"

"5. TRANSPORT PROPERTIES"; "5.1 GENERAL CLASSIFICATION OF TRANSPORT PHENOMENA"; "5.2 CALCULATION OF TRANSPORT COEFFICIENTS"; "5.3 RESISTIVITY"; "5.3.1 Electron-phonon scattering"; "5.3.2 Mott scattering mechanism"; "5.3.3 Resistivity of magnetic metals"; "5.3.4 Resistivity of transition metal alloys"; "5.3.5 Two-current model of ferromagnetic metals"; "5.4 THERMOELECTRIC POWER"; "5.5 THE HALL EFFECT"; "5.6 MAGNETORESISTIVITY"; "5.7 ANOMALOUS TRANSPORT EFFECTS IN FERROMAGNETIC METALS"; "5.7.1 The extraordinary Hall effect"; "5.7.2 Magnetoresistivity in the presence of spontaneous magnetization"; "5.7.3 Magneto-optical effects"; "6. THE KONDO EFFECT AND PROPERTIES OF ANOMALOUS d- AND f-COMPOUNDS"; "6.1 THE ONE-CENTRE KONDO EFFECT"; "6.2 THE KONDO TEMPERATURE FOR d-IMPURITIES"; "6.3 SPIN DYNAMICS AND ELECTRONIC PROPERTIES OF KONDO LATTICES"; "6.4 GROUND STATE OF THE KONDO LATTICES"; "6.5 INTERMEDIATE VALENCE SYSTEMS"; "6.6 MAGNETIC ORDERING IN KONDO LATTICES AND HEAVY-FERMION COMPOUNDS"; "6.7 CURRENT CARRIERS IN A TWO-DIMENSIONAL ANTIFERROMAGNET"; "6.8 SPIN-LIQUID STATE IN SYSTEMS WITH SPIN AND CHARGE DEGREES OF FREEDOM"
