

GALACTIC AND INTERGALACTIC MAGNETIC FIELDS

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Galactic and Intergalactic Magnetic Fields is divided into 11 parts. (1) A survey of magnetic phenomena near the solar photosphere, in the corona and in stellar winds. (2) The magnetic field structure of the Milky Way: the meeting of observation and theory. (3) Magnetic fields in and around supernova remnants. (4) Magnetohydrodynamics of galactic magnetic fields. (5) The polarization, magnetic field and velocity structure of external spiral galaxies. (6) Magnetic fields in molecular clouds, dark globules and in the pre-stellar and circumstellar environment. (7) Magnetic fields in galactic nuclei. (8) The role of magnetic fields in radio source jets and extended radio lobes. (9) Magnetic fields in the galactic environment, galaxy clusters and intergalactic medium. (10) Magnetic fields at high redshifts and in the early universe. (11) Concluding summary remarks.

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