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**LITHOSPHERE MAGNETIC FIELD AND ITS APPLICATION TO
OBJECT PARAMETERIZATION IN RECOGNITION OF
EARTHQUAKE-PRONE AREAS**

The lecture provides general information on the Earth's magnetic field and its sources. The methods of observations, representation and mathematical modelling of the magnetic field are presented. Central emphasis is laid on the magnetic field, produced by anomalous bodies in the lithosphere, that is called anomalous field. Mechanism of anomalies formation as well as temporal and spatial specifics of the lithospheric magnetic field are discussed. The lecture reviews also the present-day data and models that allow charting and studying lithospheric magnetic field both globally and regionally. It outlines the scientific areas that significantly benefit from using data on lithospheric field. Contribution to recognition of strong earthquake-prone areas by the usage of highly informative data on magnetic anomalies is considered.