

Abstract

The diploma thesis „Geophysical survey of the surroundings of the Church of the Beheading of St. John the Baptist in Dolní Chabry“ describes the realized geophysical measurements at an important archaeological locality and interprets its results. The locality is approached from the historical, geographical and geological point of view. There are described physical properties of rocks, basic principles of geophysical methods used and methodology of field work and data processing. Finally, the measurement results are interpreted. The following methods were used for the research: symmetric resistivity profiling, dipole electromagnetic profiling, electrical resistivity tomography and seismic refraction. Several anomalies corresponding to already known objects were identified and localized in the locality, another part of captured anomalies corresponds to previously unknown buried archaeological objects.

Keywords: archeology, geophysics, archeogeophysics, Dolní Chabry, Church of the Beheading of St. John the Baptist