

The aim of the thesis was to get acquainted with the measurement of the magnetic field of the earth on a concrete example, in Průhonice Park, where the geological structures are covered pond, and there is direct access to rock. It was also proposed vessel for measuring the magnetic field on the surface of the water. The measurement result was compared with existing geological maps and interpreted in terms of magnetic sources. On the basis of familiarity with the course of magnetometric data acquisition and processing the earth was proposed procedure for measuring the magnetic field of the planet Mars.