

Abstract: The aim of this bachelor thesis is to create solution to physical problems in the field of electricity and magnetism for electronic collection. Within this thesis 15 problems were prepared. Problems are contained in the subchapters of electrostatics, DC electric current, stationary magnetic field and non-stationary magnetic field on the base of their contents. For every of these tasks was created structured solution. The thesis is also about the technical background of The Electronic collection. There is a characterization of all prepared tasks in the text of the thesis. In supplement there is shown structured solution of selected tasks. All tasks can be found on the website <http://reseneulohy.cz> or on attached CD.