

**Title:** Various Approaches to Didactics of Physics in the Czech Republic and Abroad

**Abstract:** This diploma work deals with selected aspects of didactics of physics as a branch of science. Its aim is to start a more systematic reflection of a domestic didactics of physics in connection with the situation abroad as well as with previous developments in the Czech Republic. Important approaches to didactics of physics, (above all the applied, integrated and communicative approach) are described in this work and attention is also paid to international developments. This work also presents arguments about why didactics of physics could be perceived as a branch of science together with the mutual relationships of didactics of physics with other scientific fields. In the last chapter there is a discussion about new possibilities in the development of didactics of physics, especially about the tendency of mutual linking of didactics of physics with didactics of other school subjects. In this chapter there is also an outline of a new approach which focuses on goals.

**Keywords:** didactics of physics, physics education research, approach to didactics of physics, subject didactics