

## ABSTRACT

Orthophotographic projection of territory (orthophotomap) as a basic and special geographic product is the main subject of the thesis. The research is focused on a proper orthophotomap and its components definitions, methods and technology of the orthophotomap production. This thesis deals and evaluates remote sensing materials for orthophotomaps production, topographic and thematic orthophotomaps content and visualization means for the content portrayal harmonizing both image and symbol components.

The main thesis aims are as follows:

- evaluation of current orthophotomap production and its applications,
- methodology composition of the orthophotomap production,
- presentation of possible variants of topographic and thematic orthophotomaps applicable mainly to state and municipal purposes in the Czech Republic,
- motivation towards a professional discussion about the topic issues including basic orthophotomap concepts, visualization methods, etc.