

## Abstract

This Bachelor's thesis presents basic knowledge about constructions with a compass. It's divided into a historical part which indicates how thinking about constructions with a compass evolved. The next part are Mascheroni's constructions. Three Mascheroni's main problems and other two are listed here. Then there is compiled the basic of the proof of Mascheroni's theorem. This thesis includes series of several constructional tasks with compass only. These tasks are solved in GeoGebra program. Each construction contains a proof of its rightness. The proofs are made as simply as possible so that for anyone who shows his interest is the thesis suitable. Because of it this thesis can serve students for their self-study as teachers for an enrichment of teaching geometry.