

Abstract

The diploma thesis deals with the structural-geomorphological characteristics and morphometric analysis of the Roklanský and Modravský brook basins, which are located within the geomorphological sub-unit of the Šumava Plains. The introductory research part is focused on the physical-geographical characteristics of the area, the second part deals with an overview of the methods of structural-geomorphological research with a focus on the morphostructural analysis of the relief. The geomorphological analysis was carried out using a joint analysis of selected sites, where the direction of the fracture surfaces and their slope were measured. Morphology analysis, fault tectonics, and valley system analysis were carried out. These analyses show that the relief of the area of interest is tectonically conditioned.

Keywords

Morphostructural analysis, structural measurements, Šumava plains, morpholineament, longitudinal profiles