

Abstract

Morphostructural analysis of the Hřibovská hornatina Mts.

This work deals with morphostructure analyses of the Hřibovská hornatina Mts., part of the Rychlebské hory Mts. Northeastern border of the studied area is created by the mountain front slope controlled by the Sudetic Marginal fault, which is one of the most conspicuous tectonic structures in central Europe. This is the main reason why works were focused on the analyses of stream network parameters and spatial distribution of those selected landforms which could potentially indicate recent tectonic activity in the studied area. As a result, supposed courses of faults marked in morphology were suggested. Fault activity assessment was considered on changes in erosion intensity indicated in longitudinal and crosswise profiles of stream valleys. Based on the values of Stream-Length index the areas with recent tectonic activity were delimited. The final output of this work is the morphostructure map of the Hřibovská hornatina Mts. and the adjacent area.

Key words:

Morphostructural analysis, active tectonics, Sudetic Marginal Fault, Hřibovská hornatina Mts.