

This bachelor thesis is engaged in the juxtaposition and different methods account of valley networks. Thanks to the background research of the late published literature, there are known a lot of types of valley network, which result in various types of relief and the criteria by which can the different types of valley networks be identified and distinguished from other types of valley networks. Methods of characterizing the valley networks are used to describe the valley of the same type of networks in different areas, respectively allow their comparison.

In the interested area of CHKO Kokořínsko, there were studied the valley network order, the type of the valley network, the bifurcation ratio, connected of valley network, the fractal dimension, the valley network homogeneity and the allometry of the valley of some parts. Valley networks in the studied areas of Pšovka and Liběchovka were identified as trellis and valley network of studied area of Vlhošť was described as a radial type of valley network with elements of annular valley network.