



Spatial interpolation of precipitation

By Ljubenkovic, Igor / Bonacci, Ognjen

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | case of the Cetina River catchment | This book deals with the spatial estimation of storm, monthly and annual precipitation in the Cetina River catchment. The river catchment is a highland area of about 4140 km², divided by Dinara Mountain into two parts. The western part has area of about 1720 km². It is "direct" or topographic catchment, almost entirely situated in Croatia, while climate is under strong influence of the Adriatic Sea (Mediterranean climate). The eastern part of the catchment (about 2420 km²) is referred to as the "indirect" catchment. It is mainly situated in Bosnia and Herzegovina, with a continental climate. Therefore, precipitation regime is very complex and variable over the catchment area. A few conventional methods (arithmetic average, inverse square distance method, Thiessen method, isohyetal method and hypsometric method) were used to calculate average precipitation of each part of the catchment, while geostatistical methods (ordinary kriging, universal kriging and kriging with external drift) were used to calculate precipitation maps and statistical accuracy. | Format: Paperback | Language/Sprache: english | 96 pp.



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