

Using the wavelet method for a multispectral remote sensing study of plant community spatial processes in broad range of spatial scales

Mikheev P., Kheeroug S., Yakin G., Todhunter J.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

A special property of plant communities as an object of the study is a multilevel organization of their mosaic spatial structure. This makes it somewhat difficult to state the study object within PCs. The use of wavelet approach might essentially simplify the situation. In the present study the possibility is addressed of the use of wavelet-method to obtain the thematic map of PCs within the landscapes and making the map usable for comparative analysis with the maps of different factors, effects of which is studied.
