Geophysical Research Abstracts, Vol. 8, 02201, 2006
SRef-ID: 1607-7962/gra/EGU06-A-02201

Spectral characteristics of the Koshava wind

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"Koshava" is a synoptic scale phenomena caused by general atmospheric circulation and orography of the Carpathian and the Balkan mountains. The focus of the paper is an analysis and modeling of the spectral characteristics of the hourly mean and maximum wind speed during 31 consecutive days with "Koshava". Spectral analysis is a powerful tool in revealing information about scales of "Koshava" wind. The power spectra are calculated using the multitaper method and wavelet transform. The obtained maximum of about 122 h (5 days) corresponds to the time period of synoptic processes, while the oscillations between 2 and 7 h correspond to local effects.