

Spectral matrix decomposition in geographical research

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Abstract

In geographical research, especially in the field of socio-economic geography, a significant role is played by the spectral decomposition of special types of matrices, e.g., a covariance or a transition matrix, because it allows specific properties of spatial processes to be captured. A case in point is the process of population migration. That is why the issue addressed in more detail here is the effects of the spectral decomposition of the above-mentioned matrices.