

Spectral Cartan analysis of anisotropic structures based on Garner-type dynamics

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The higher order tensor spectral analysis was extensively developed in the last two decades, whether most of the results imply tensors considered on the Euclidean space. We point out the specific differences which occur, while considering the more general anisotropic metric framework, and propose several potential extensions. We apply the extended spectral analysis to determine the characteristics of the Cartan tensor in Randers and 4-th root Finsler structures, which are designed to trace out the average evolution in Garner cancer population dynamical systems.

This is a joint work with prof. Vladimir Balan.
