

## Alternative Methods of Fractal Analysis

*středa 4. září 2024 14:50 (35 minut)*

The presentation is focused on two original unbiased estimation techniques which are suitable for 2D and 3D image analysis. The first method is focused on the unbiased estimation of correlation dimension which is based on the Fourier image of given point set and its averaged power spectrum over all rotations in the Hilbert space. The second method is focused on the unbiased estimation of Renyi dimension using modified Renyi entropy and point neighborhood degeneracy.

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**Zařazení sekce:** Simulations and statistical analysis