Oberseminar
Analysis und Theoretische Physik

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Connecting the Dots: The Geometry of Point Clouds

In this talk we shall describe a method for the computation (exact case) and estimation (noisy case) of important geometric quantities directly from point clouds that represent either an exact or a noisy sample of a manifold. The method extends known results of kernel based interpolation in the case of exact data and admits a statistical interpretation for noisy data.

Dienstag, 04.03.2025, 15:00 Uhr, Raum c311
Hauptgebäude der Universität

Veranstalter: Prof. Dr. Wolfram Bauer, Prof. Dr. Joachim Escher, Prof. Dr. Johannes Lankeit, Prof. Dr. Elmar Schrohe, Prof. Dr. Alexander Strohmaier, Prof. Dr. Christoph Walker, Dr. Alden Waters