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Scientific Seminar of Mathematics and Informatics

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Insights in fractal interpolation

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Fractal interpolation is a recently proposed method to interpolate and approximate real data. In this talk, two important aspects of this procedure will be emphasized. The first one is the ability of a good representation of irregular data, that enables a quantification of the complexity of recorded and historical series of data. The second one (and this is the most important contribution of the lecturer to the theory) is that fractal interpolation provides a very general conceptual framework, where the classical methods appear as particular cases of the model.