Mandelbrot meets Van Gogh: Regularity in Painting Textures.

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Abstract

Over the last two decades, multifractal analysis has become a popular tool for analysis and modeling in real-world applications. In this talk, we explore the potential of multifractal analysis to perform and assist art investigation. Based on several sets of digitized versions of paintings and drawings by grand Masters, we investigate in how far multifractal analysis can reveal differences between textures of a Masters’ paintings from different periods, of paintings of a Master and of his contemporaries, and of authentic paintings and copies thereof.