



Breakdown coefficients of high-resolution temporal rainfall

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Eleuch et al. [2010, SERRA 24(5), 559-565] have shown that the differences in spatial rainfall intensities scale with distance in a manner that is compatible with fractal scale invariance. On the same lines, the present work is dedicated to the study of the scale behaviour of joint statistics in high-resolution temporal rainfall. The position of the most extreme breakdown coefficients in the decomposition of temporal rainfall has been proven to determine the structure of autocorrelation in the time series of intensities [Carsteanu et al., 1999, JGR 104(D24), 31611-622], reason for which we are focusing on presenting our results in this framework.