EXTRACTA MATHEMATICAE Vol. **25**, Núm. 1, 63 – 82 (2010)

Multifractal Formalism and Inequality Involving Packing Dimension

L. Ben Youssef

Institut Supérieur de Comptabilité et d'Administration des Entreprises, Manouba, 2010 *Tunisie, Leila.BenYoussef@iscae.rnu.tn*

Presented by Mostafa Mbekhta Received April 2, 2010

Abstract: We give a new inequality of the iso-Hölder set's dimension within the framework of the centered multifractal formalism. Besides we develop an example of a class of measure for which this inequality is finer than that established by the classic formalism.

Key words: Multifractal formalism, packing, dimension.

AMS *Subject Class.* (2000): 28A80, 28A78, 28A12.

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