Grain size analysis of the sediments by fractal modeling

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Abstract. Computer modeling techniques can be used to processing grain size analysis of sediments. We present empirical data processed first by Udden-Wentworth scale adapted to Romanian geological terminology and second by fractal geometry. The advantages and problems of the analysis by fractal geometry are discussed and current applications in the field of microscopy are reviewed.

Keywords: granulometry of sediments, Udden-Wentworth scale, fractal modelling, Sierpinski Gasket

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