

Abstract

The present paper is devoted to the study of growth envelopes of anisotropic function spaces. An affirmative answer is given to the question of H. Triebel [Wavelet bases in anisotropic function spaces. In: *Function Spaces, Differential Operators and Nonlinear Analysis* (FSDONA-04). Praha: Math. Inst. Acad. Czech Rep. 2005, pp. 370 – 387; Conjecture 13], whether the growth envelopes are independent of anisotropy. As an application, related anisotropic Hardy inequalities are presented and we also discuss a connection to some anisotropic fractal sets.