

An observation of the atomic decomposition of Hardy spaces with variable exponent

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The aim of this talk is to review the atomic decomposition for Hardy spaces with variable exponent obtained by Nakai and myself. Recall that a new parameter was introduced to describe the norm. This parameter is less than $\min(1, p_-)$ in terms of the paper by Nakai and Sawano in 2012. Here, we exploit the idea of this paper to develop further theory of decompositions of other function spaces. This work is a joint work with my student Keisuke Asami.