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Huo-Jun Ruan* (ruanhj@zju.edu.cn), School of Mathematical Sciences, Zhejiang University, Hangzhou, 310027, Peoples Rep of China. *Construction and box dimensions of fractal interpolation functions.*

Fractal interpolation functions (FIFs) were introduced by Barnsley in 1986. There are many works on the theoretical study and applications of these functions. In this talk, we will mainly talk about the general construction of FIFs, including one dimensional case and two dimensional case. We will also talk about box dimension of the graph of FIFs. (Received August 13, 2021)