

Maryia Kabanava

Mathematisches Institut, Friedrich-Schiller-Universität Jena, Germany

Faber type functions on distinguished fractals

Let I be the unit interval. Faber functions form the basis in the space of continuous functions $C(I)$ and in some Besov spaces $B_{pq}^s(I)$. We describe how to construct with the help of Dirichlet forms the counterpart of Faber basis on distinguished fractals and give the characterization of Besov spaces on these fractals in terms of the coefficients of functions with respect to the basis.