

We introduce a generalized transversality condition (GTC) for parameterized families of C^1 IFSs, on \mathbb{R}^d and show that if the GTC is satisfied then the dimensions of the attractor and of the ergodic invariant measures are given by the singularity dimension, and Lyapunov dimension respectively. Then we verify the GTC for some parametrized families of C^1 IFSs on \mathbb{R}^d .

The talk is based on a recent paper joint with De-Jun Feng.