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Restricted projections and self-similar sets

It is generally expected that "structured fractals" such as self-similar sets have regular geometric behaviour. In particular, one expects that projecting a self-similar set preserves dimension, unless there is some obvious obstruction. I will present joint work with Amir Algom in which we extend results of Hochman-Shmerkin and Falconer-Jin in this direction. Recent results on restricted projections play a key role.