Chun-Kit Lai* (cklai@sfsu.edu), Department of Mathematics, 1600 Holloway Ave., San Francisco, CA 94132, and Yang Wang. Non-spectral fractal measures with Fourier frames.
Constructing Fourier frames on fractal measures has been a challenging problem. In this talk, we demonstrate the first singular fractal measure which has only finitely many mutually orthogonal exponentials and hence it does not admit any exponential orthonormal bases, but it still admits some Fourier frames. (Received February 03, 2016)