

1054-46-46

**Palle E. T. Jorgensen\*** ([jorgen@math.uiowa.edu](mailto:jorgen@math.uiowa.edu)), Dept of Math, University of Iowa, Iowa City, IA. *Harmonic analysis of selfsimilar measures.*

In the talk we outline some recent results covering the use of harmonic analysis and representation theory in the study of selfsimilar measures. A number of subclasses will be covered, as will joint work with Dutkay, Kornelson, Pearse, Pedersen, and Shuman. (Received August 26, 2009)