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Palle Jorgensen, Keri Kornelson and Karen Shuman* (shumank@math.grinnell.edu),
Noyce Science Center, Grinnell College, Grinnell, IA 50112. *Iterated function systems and moment matrices: differences between the affine and non-affine cases.*

In this talk, we will consider extensions of the 2006 work of Escibano, Sastre, and Torrano on moments associated with affine iterated function systems. In particular, we will study some of the differences which arise between affine iterated function systems, which are well-understood in this context, and iterated function systems arising from measurable maps on \mathbb{R} or \mathbb{C} . (Received January 17, 2011)