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Eva Curry* (eva.curry@acadiau.ca), Department of Mathematics and Statistics, Acadia University, 12 University Ave., Wolfville, NS B4P 2R6, Canada. *A One-Step Test for Connectedness of Radix IFS Tiles.*

We present a sufficient condition for connectedness of self-affine tiles arising from a multidimensional radix representation (also known as a multidimensional number system), valid for all dimensions. (Received January 19, 2011)