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Yang Wang* (ywang@math.msu.edu), Department of Mathematics, Michigan State University,
East Lansing, MI 48824. *On the Uniqueness of IFS Representation of a Cantor Set.*

Given a Cantor set such as the classical middle third Cantor set we can write it as the attractor of an iterated function system (IFS). But is such a representation unique? Obviously, one can iterate the IFS to obtain a new IFS which has the same attractor. So the question is whether the representation is unique up to such iterations. We give some answers in this talk. (Received August 11, 2008)