

ABOUT THE ATTRACTORS OF INFINITE ITERATED FUNCTION SYSTEMS

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Abstract. The aim of this paper is to establish a sufficient condition for the attractor of an infinite iterated function system to become a dendrite. We consider the family of the associated graphs of an attractor and prove that, in some conditions, the attractor is a dendrite if all the associated graphs are infinite trees.

Key Words and Phrases: Attractors, infinite iterated function systems, fixed point, dendrite, locally connected, arcwise connected.

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