

Classification of Simple Antoine Cantor Sets

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Sher in 1968 showed that the number of tori in each stage of the defining sequence for an Antoine Cantor set in R^3 is uniquely determined. Wright in 1986 associated an Antoine graph with each such Cantor set and showed equivalent Cantor sets have isomorphic graphs. We show the converse is false and describe additional structure that can be added to Antoine graphs to yield a classification of simple Antoine Cantor sets.

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