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Hrant Hakobyan* (hhakob@math.sunysb.edu), Department of Mathematics, Stony Brook University, Stony brook, NY 11794-3651. *Conformal dimension of middle interval Cantor sets.*

A subset of a line is said to be quasisymmetrically (qs) thick if every image under a qs self map of a line has positive length. Conformal dimension of a metric space is the infimal Hausdorff dimension of all its qs images. Bishop and Tyson asked if there are sets on a line which are not qs thick but still have conformal dimension one. We answer this affirmatively by showing that middle interval Cantor sets are minimal for conformal dimension if they have Hausdorff dimension one. (Received August 29, 2006)