Texas Tech University. Analysis Seminars.

Sleeping armadillos problem and the individual rates of loss of heat

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ABSTRACT. We discuss some results and open questions on the individual rates of loss of heat by shape-invariant components of contracting compact sets. These questions, inspired by observations on the behaviorial habits of sleeping armadillos, were raised in 1978 by M.L. Glasser and S.G. Davison ("A bundling problem", SIAM review 20 (1978), 178-180). Recently, these questions were discussed by A. Eremenko (`https://www.math.purdue.edu/~eremenko/dvi/armadillo.pdf`) and P. Ivanisvili ("A bundling problem revisited", `https://arxiv.org/pdf/1602.00983.pdf` [math.AP] 2 Feb 2016).