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Anton Gorodetski* (asgor@uci.edu), Department of Mathematics, Irvine, CA 92697. *On Sums of Cantor sets.*

We will discuss the questions on the structure of a sum of two Cantor sets. These questions appear naturally in dynamical systems, number theory, and spectral theory of operators with separable potentials. We will survey the most recent results in the area, and provide some open questions. (Received August 22, 2019)