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Steven Michael Senger* (senger@math.udel.edu), Department of Mathematical Sciences,
University of Delaware, Newark, DE 19716-2553. *New estimates on Erdős-Falconer type single
distance problems.*

We discuss the Erdős-Falconer type single distance problems, and present new estimates on the measure of the set of pairs of points from a subset of $[0, 1]^d$ which are ϵ -nearly a given distance apart. (Received September 03, 2012)