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Alex Iosevich* (iosevich@math.rochester.edu), 145 Dunrovin Lane, Rochester, NY 14618,
and **Krystal Taylor**, University of Rochester, Rochester, NY 14618. *Distribution of lattice points
in families of domains in Euclidean space.*

We shall consider variable coefficient families of dilated domains in Euclidean space and study the problem of distribution of lattice points inside these domains and their boundaries. Sobolev bounds for generalized Radon transforms play a critical role. (Received December 08, 2010)