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Melvyn B. Nathanson* (melvyn.nathanson@lehman.cuny.edu), Department of Mathematics,
Lehman College (CUNY), Bronx, NY 10468. *Problems and results in additive number theory.*

This will be a survey of recent results and open problems in combinatorial and additive number theory. Of special interest are problems with a geometric flavor, including questions of growth of sumsets and product sets, and the large-scale geometry of the set of integers with metrics constructed from various finite and infinite generating sets. There are also generalizations of the Calkin-Wilf tree-enumeration of the positive rational numbers. (Received September 03, 2012)