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**Sandra Spiroff\***, Department of Mathematics, P.O. Box 1848, Hume Hall 305, University, MS 38677, and **John Norton**. *Tropical Algebra in Higher Dimensions*.

We discuss the generalization, in higher dimensions, of the tropical semiring, whose two binary operations on the set of real numbers are defined to be the minimum and the sum, respectively. In particular, our objects are (possibly infinite) closed convex sets, and for any such pair the binary operations are defined to be the (closed) convex hull of their union and their Minkowski sum, respectively. (Received January 16, 2017)