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Greg Kuperberg* (greg@math.ucdavis.edu). *From the Mahler conjecture to the isotropic constant conjecture?* Preliminary report.

To be clear, I don't know how to prove the isotropic constant conjecture or anything close to it. Instead, I will review various small partial results related to the Mahler conjecture and the isotropic constant conjecture. In particular I am interested in other possible uses of the shapes K^+ , K^- , and K^\diamond that arose in my proof of the Bourgain-Milman theorem. (Received September 01, 2014)