Matias G Delgadino, Francesco Maggi, Cornelia Mihaila and Robin Neumayer*
(neumayer@ias.edu), 1 Einstein Dr., Princeton, NJ 08540. On minimizers and critical points for
anisotropic isoperimetric problems.

Anisotropic surface energies are a natural generalization of the perimeter that arise in models for equilibrium shapes of
crystals. We discuss some recent results for anisotropic isoperimetric problems concerning the strong quantitative stability
of minimizers, bubbling phenomena for critical points, and a weak Alexandrov theorem for non-smooth anisotropies. Part
of this talk is based on joint work with Delgadino, Maggi, and Mihaila. (Received January 28, 2019)