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**Fernando A Schwartz\*** ([fernando@math.utk.edu](mailto:fernando@math.utk.edu)), Department of Mathematics, University of Tennessee, 227 Ayres Hall, 1403 Circle Drive, Knoxville, TN 37996-1320. *Geometric inequalities for hypersurfaces.*

We revisit some classic estimates for the capacity as well as a version of the Alexandrov-Fenchel inequality for hypersurfaces of Euclidean space. We provide new, more general proofs of these inequalities, and include some rigidity statements. The results are joint work with Alexandre Freire. (Received August 29, 2012)