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Tom Leinster and **Mark Meckes*** (mark.meckes@case.edu), 10900 Euclid Ave., Cleveland, OH 44106. *A general framework for entropies*. Preliminary report.

I will introduce a family of functionals which generalize and unify various types of entropy which appear in a number of different fields (information theory, metric geometry, theoretical ecology, probability, and combinatorics), and discuss the corresponding entropy-maximization problem. (Received September 02, 2014)