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Entropy Flux - Electrostatic Capacity - Graphical Mass

This talk will show that the optimal inequality

$$\mathsf{F}(K,\kappa) \le \mathsf{C}(K) \le 2(n-2)\sigma_{n-1}\mathsf{M}(\mathbb{R}^n \setminus K^\circ, \delta + df \otimes df)$$

holds for the entropy flux $\mathsf{F}(K,\kappa)$, the electrostatic capacity $\mathsf{C}(K) = \mathsf{C}(\partial K)$ and the graphical mass $\mathsf{M}(\mathbb{R}^n \setminus K^\circ, \delta + df \otimes df)$ generated by a compact $K \subset \mathbb{R}^{n\ge 3}$ with non-empty interior K° and smooth boundary ∂K.