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C-REMOVEABLE SETS

A subset A of a normed linear space X is C-removeable if any Lipschitz function $f : X \to \mathbb{R}$ convex on all line segments disjoint from A is necessarily convex on X. I wish to present several new results concerning C-removeable sets in $\mathbb{R}^n$ and related topics. A sufficient condition for C-removeability and a counterexample will be given. This is joint work with Dušan Pokorný.

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