

Some remarks on the L_0 theory of convex bodies and its Brunn-Minkowski inequality

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Abstract

While the L_0 theory is part of a general extension of the Brunn-Minkowski theory of convex bodies, some striking properties sets it apart. We will discuss some of this theory's features and, in particular, we will talk about its corresponding Brunn-Minkowski inequality which, except in dimension 2 and several other cases, remains an open problem.