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Colourful and fractional (p,q) -theorems.

In this talk, we present some interesting generalizations of the (p,q) -problem of Hadwiger and Debrunner for families of convex sets, in particular some colourful and fractional versions in the sense of Bárány and Lovasz.

This is a joint work with I. Bárány, F. Fodor and L. Montejano.