Lefschetz operators on Minkowski valuations

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Minkowski valuations are finitely additive operators on the space of convex bodies. They form a rich class of geometric maps, including the difference body, projection body, and mean section body maps. The Lefschetz operators allow us to move between valuations of different degrees of homogeneity. In this talk, we discuss the action of the Lefschetz operators on continuous Minkowski valuations that are compatible with rigid motions.

This is joint work with Georg C. Hofstätter and Oscar Ortega-Moreno.