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 L_p Steiner formula and its coefficients

In this talk, we explore L_p Steiner formula for the L_p affine surface area. We introduce the coefficients that arise in this formula that we call L_p -Steiner quermassintegrals and discuss their properties. It turns out that they possess some nice properties. In particular, they are new valuations on the set of convex bodies. Based on joint works with E. Werner.