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Kateryna Tatarko* (tatarko@ualberta.ca) and **Elisabeth Werner**. *A Steiner formula in the L_p Brunn Minkowski theory.*

We present an analogue of the classical Steiner formula for the L_p affine surface area of a Minkowski outer parallel body for any real parameters p . A Steiner formula for the s -th mixed L_p affine surface area of a Minkowski outer parallel body for any real parameters p and s is also given. We also deduce some properties of the coefficients of such polynomial expansions. (Received January 27, 2019)