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Christos Saroglou* (christos.saroglou@gmail.com). *Projection bodies of convex bodies.*

The projection body ΠK of a convex body K in \mathbb{R}^d is defined as the body whose support function in some direction $u \in S^{d-1}$ equals its projection in this direction. We discuss several results on Petty's and Schneider's problems, which ask for the extremal values of the affine invariant $|\Pi K|/|K|^{d-1}$. New and older facts are presented. (Received August 16, 2013)