

## THE $\lambda$ -INTERSECTION BODIES AND AN ANALYTIC GENERALIZED BUSEMANN-PETTY PROBLEM

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*Abstract.* In this paper, we obtain an extension of connections between an analytic generalization of the Busemann-Petty problem and positive definite distributions. We show that the class of the  $\lambda$ -intersection bodies is closely related to the analytic generalized Busemann-Petty problem.

*Mathematics subject classification (2010):* 52A40, 52A20.

*Keywords and phrases:* Star body,  $\lambda$ -intersection body, generalized Busemann-Petty problem, generalized Minkowski-Funk transforms.

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