

Richard J. Gardner

The Dual Brunn-Minkowski Theory

The dual Brunn-Minkowski theory was initiated by Erwin Lutwak around 1975 and by now is accepted as a powerful counterpart of the classical Brunn-Minkowski theory. Among its applications is local stereology, a body of techniques pioneered by Eva Vedel Jensen and Hans Jørgen Gundersen in the 1980s. From discussions with Eva during a workshop in Sønderborg in 2000, a joint paper with Aljoša Volčič arose which explored this connection and led to a generalization of part of the dual Brunn-Minkowski theory. The talk will recall this story and offer a brief survey of more recent developments in the theory.