

Izoperimetrična neenakost in njena stabilnost

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Literatura

- [1] Harley Flanders, A proof of Minkowski's inequality for convex curves, The American Mathematical Monthly 75 (1968) 581-593.
- [2] Helmut Groemer, Stability Properties of Geometric Inequalities The American Mathematical Monthly 97 (1990) 382-294.
- [3] Ivan Vidav, Rešeni in nerešeni problemi matematike, Mladinska knjiga, Ljubljana 1972.
- [4] Ivan Vidav, Diferencialna geometrija, Društvo matematikov, fizikov in astronomov Slovenije, Ljubljana 1989.
- [5] Wilhelm Blaschke, Kreis und Kugel, Walter de Gruyter & Co., Berlin 1956.
- [6] Wilhelm Blaschke, Vorlesungen über Integralgeometrie, Springer-Verlag, Berlin 1960.
- [7] Wilhelm Blaschke, Beweise zu Sätzen von Brunn. Minkowski über die Minimaleingeschäft des Kreises, Jahr. Deutsch. Math. Verein. 23 (1914) 210-234.
- [8] Wilhelm Blaschke, Einführung in die Differentialgeometrie, Springer-Verlag, Berlin 1960.
- [9] Nicholas D. Kozarino, Geometric inequalities, The L. W. Singer Company 1961.
- [10] T. Bonnesen und W. Fenchel, Theorie der konvexen Körper, Springer-Verlag, Berlin 1934.
- [11] R. A. Vitale, Lp metrics for compact convex sets, J. Approx. Theory 45 (1985) 280-287.
- [12] Helmut Groemer, Stability theorems for convex domains of constant width, Canad. Math. Bull. 31 (1988) 328-337.