

Inequalities for K-functionals and moduli of smoothness

Sergey Tikhonov

Motivated by classical estimates from approximation theory, we obtain several inequalities for the K-functionals and moduli of smoothness in rearrangement invariant Banach function spaces. We present a unified approach based on Holmstedt formulas.

Joint work with Amiran Gogatishvili, Bohumír Opic, and Walter Trebels