

Stability of Khintchine inequalities with optimal constants

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We give a strengthening of the classical Khintchine inequality between the second and the p -th moment for $p \geq 3$ with optimal constant by adding a deficit depending on the vector of coefficients of the Rademacher sum. The talk is based on the paper [1].

REFERENCES

- [1] Jacek Jakimiuk, Stability of Khintchine inequalities with optimal constants between the second and the p -th moment for $p \geq 3$, preprint, arXiv:2503.07001.