

# Estimates for the norm of submatrices and applications

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My talk will be devoted to estimates for the operator norms of submatrices of a fixed matrix (see for example [1, 2]). Some applications of such estimates in real analysis will be discussed.

## References

- [1] B.S. Kashin Lunin's method for selecting large submatrices with small norm. *Sbornik: Mathematics*, 206(7):980–987, 2015.
- [2] B.S. Kashin Decomposing an orthogonal matrix into two submatrices with extremally small  $(2, 1)$ -norm. *Russian Mathematical Surveys*, 72(5):971–973, 2017.