

JOEL A. TROPP
publications

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SUBMITTED FOR PUBLICATION

1. C. Camaño, E. N. Epperly, and J. A. Tropp, “Successive randomized compression: A randomized algorithm for the compressed MPO–MPS product.” Apr. 2025.
2. J. A. Tropp, “Comparison theorems for the minimum eigenvalue of a random positive-semidefinite matrix.” Jan. 2025.
3. E. N. Epperly, J. A. Tropp, and R. J. Webber, “Embrace rejection: Kernel matrix approximation by accelerated randomly pivoted Cholesky.” Oct. 2024.
4. C.-F. Chen, J. Garza-Vargas, J. A. Tropp, and R. van Handel, “A new approach to strong convergence.” Accepted to *Ann. Math.*, Feb. 2025.
5. J. A. Tropp and R. J. Webber, “Randomized algorithms for low-rank matrix approximation: Design, analysis, and applications.” Aug. 2023.
6. M. Díaz, E. N. Epperly, Z. Frangella, J. A. Tropp, and R. J. Webber, “Robust, randomized preconditioning for kernel ridge regression.” Apr. 2023.
7. M. Lotz and J. A. Tropp, “Sharp phase transitions in Euclidean integral geometry.” Accepted to *High-Dimensional Probability Proceedings X*, Apr 2025.
8. R. Kueng and J. A. Tropp, “Binary component decomposition, Part II.” July 2019.

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18. J. A. Tropp, *Lectures on Convex Geometry: Caltech ACM 204, Fall 2018*. Caltech CMS Lecture Notes 2019-02, Pasadena, 2019.

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MISCELLANEOUS

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