

Shiri ARTSTEIN, Ph.D.**LIST OF PUBLICATIONS****ARTICLES**

1. Shiri Artstein
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2. Shiri Artstein, Vitali D. Milman, Stanislaw J. Szarek
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3. Shiri Artstein, Vitali D. Milman, Stanislaw J. Szarek
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Comptes Rendu Mathematique, Volume 337, Issue 11 (2003), 711–714.
4. Shiri Artstein, Keith M. Ball, Franck Barthe, Assaf Naor
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5. Shiri Artstein, Keith M. Ball, Franck Barthe, Assaf Naor
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6. Shiri Artstein, Vitali D. Milman, Stanislaw J. Szarek
Duality of metric entropy.
Annals of Math. 159 (2004), 1313–1328.
7. Shiri Artstein, Vitali D. Milman, Stanislaw J. Szarek,
N. Tomczak-Jagermann
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Geometric And Functional Anal. Vol. 14, (2004), 1134–1141.
8. Shiri Artstein, Boaz Klartag, Vitali D. Milman)
On the Santaló point of a function and a functional Santaló inequality.
Mathematika 51 (2004) 33–48.
9. Shiri Artstein, Omer Friedland, Vitali D. Milman
Geometric Applications of Chernoff-type Inequalities and a ZigZag Approximation for Balls.
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10. Shiri Artstein
A Bernstein-Chernoff deviation inequality and geometric properties of random families of operators.
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11. Shiri Artstein, Vitali D. Milman
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12. Shiri Artstein, Yaron Ostrover
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<http://arxiv.org/pdf/math.SG/0603411.pdf>
13. Shiri Artstein, Omer Friedland, Vitali D. Milman, Sasha Sodin
Polynomial bounds for large Bernoulli sections of ℓ_1^N .
Israel J. Math, Vol. 156 (2006).
14. Shiri Artstein, Vitali D. Milman
Using Rademacher Permutations to reduce randomness.
Algebra i Analiz 19 (2007), no. 1, 23–45 (Vol. dedicated to 85th birthday of V.A. Zalgaller); translation in St. Petersburg Math. J. 19 (2008), no. 1, 15–31 .
15. Shiri Artstein-Avidan and Vitali D. Milman
A characterization of the concept of duality.
Electronic Research Announcements in Mathematical Sciences, AIMS (2007), Vol. 14, Pages 48-65.
16. Shiri Artstein-Avidan and Vitali Milman
The concept of duality for measure projections of convex bodies
Journal of Functional Analysis (2007) Vol 254/10 pp 2648-2666.
17. Shiri Artstein, Vitali D. Milman and Y. Ostrover
The M-ellipsoid, symplectic capacities and volume.
Comment. Math. Helv. 83 (2008), 359369.
18. Shiri Artstein-Avidan and Yaron Ostrover
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19. Shiri Artstein-Avidan, Aviezri Fraenkel, Vera Sos
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20. Semyon Alesker, Shiri Artstein-Avidan and Vitali Milman
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21. Shiri Artstein-Avidan and Vitali D. Milman,
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22. Shiri Artstein-Avidan and Vitali D. Milman,
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23. Semyon Alesker, Shiri Artstein-Avidan and Vitali D. Milman,
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24. Shiri Artstein-Avidan and Vitali D. Milman,
A Characterization of the Support Map.
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25. Shiri Artstein-Avidan, Hermann König and Vitali D. Milman
The chain rule as a functional equation.
Journal of Functional Analysis (2010) Vol 259, 2999–3024.
26. Shiri Artstein-Avidan and Orit E. Raz
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27. Shiri Artstein-Avidan and Vitali D. Milman,
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28. Shiri Artstein-Avidan Dan Y. Florentin and Vitali Milman
Order isomorphisms in windows.
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Accepted for publication

1. Semyon Alesker, Shiri Artstein-Avidan, Dmitry Faifman and Vitali D. Milman,
A characterization of product preserving maps with applications to a characterization
of the Fourier transform.
Accepted to Illinois Journal of Mathematics. Scheduled to appear in the special issue
dedicated to Don Burkholder, Vol. 54, No. 3.
2. Shiri Artstein-Avidan and Vitali D. Milman,
Stability results for some classical convexity operations.
Accepted to Advances in Geometry.
3. Shiri Artstein-Avidan and Boaz A. Slomka
Order Isomorphisms in cones and a characterization of duality for ellipsoids
Selecta Mathematica, New Series, Doi: 10.1007/s00029-011-0069-8

Publications in Proceedings of Conferences

1. Shiri Artstein
The change in the diameter of a convex body under a random sign-projection
Geometric Aspects of Functional Analysis.
Israel Seminar Notes (2002-2003) (Eds. Milman-Schechtman)
Springer Lect. Notes series 1850, 31–40.
2. Shiri Artstein, Omer Friedland and Vitali D. Milman
Geometric Applications for Chernoff-type Estimates.
Geometric Aspects of Functional Analysis.
Israel Seminar Notes (2004-2006) (Eds. Milman-Schechtman)
Springer Lect. Notes series 1910, 45-75.
3. Shiri Artstein-Avidan, Dmitry Faifman and Vitali D. Milman
On Multiplicative Maps of Continuous and Smooth Functions.
To appear in forthcoming Geometric Aspects of Functional Analysis, Israel Seminar Notes.
4. Shiri Artstein-Avidan Dan Y. Florentin and Vitali D. Milman
Order isomorphisms on convex functions in windows.
To appear in forthcoming Geometric Aspects of Functional Analysis, Israel Seminar Notes.

Submitted for Publication or in final stages of preparation

1. Shiri Artstein-Avidan and Yaron Ostrover
On lengths of Billiards in convex bodies. Submitted.
2. Shiri Artstein-Avidan and Yanir Rubinstein
Differential analysis of Polarity. In preparation.
3. Shiri Artstein-Avidan and Boaz Slomka
A new variant of the fundamental theorem of affine geometry and applications. In preparation.