

List of Publications

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Articles in peer-reviewed international journals

- [1] M. Claverol, E. Khramtcova, E. Papadopoulou, M. Saumell, and C. Seara. Stabbing circles for sets of segments in the plane. *Algorithmica*, 2017. DOI 10.1007/s00453-017-0299-z
- [2] P. Cheilaris, E. Khramtcova, S. Langerman, and E. Papadopoulou. A randomized incremental algorithm for the Hausdorff Voronoi diagram of non-crossing clusters. *Algorithmica*, 76(4), pages 935–960, 2016.

Articles in peer-reviewed conference proceedings

- [1] J. Iacono, E. Khramtcova, S. Langerman. Searching edges in the overlap of two plane graphs. In *Proc. WADS 2017: Algorithms and Data Structures 15th International Symposium*, to appear.
Preprint: arXiv:1701.02229
- [2] E. Khramtcova, M. Löffler. Dynamic stabbing queries with sub-logarithmic local updates for overlapping intervals. In *Proc. CSR 2017: 12th International Computer Science Symposium in Russia*, to appear.
- [3] M. Claverol, E. Khramtcova, E. Papadopoulou, M. Saumell, and C. Seara. Stabbing circles for sets of segments in the plane. In *Proc. LATIN 2016: Theoretical Informatics - 12th Latin American Symposium*, pages 290–305.
- [4] E. Khramtcova and E. Papadopoulou. Linear-time algorithms for the farthest-segment Voronoi diagram and related tree structures. In *Proc. Algorithms and Computation - 26th International Symposium, ISAAC*, pages 404–414, 2015.
- [5] P. Cheilaris, E. Khramtcova, S. Langerman, and E. Papadopoulou. A randomized incremental approach for the Hausdorff Voronoi diagram of non-crossing clusters. In Alberto Pardo and Alfredo Viola, editors, *LATIN 2014: Theoretical Informatics - 11th Latin American Symposium*, volume 8392 of *LNCS*, pages 96–107. Springer, 2014.

Abstracts in workshops without formal proceedings

- [1] J. Iacono, E. Khramtcova, S. Langerman. Searching edges in the overlap of two plane graphs. In *Abstracts of the 33th European Workshop on Computational Geometry (EuroCG'17)*, 2017. To appear.
- [2] M. Claverol, E. Khramtcova, E. Papadopoulou, M. Saumell, and C. Seara. Stabbing circles for some sets of delaunay segments. In *Abstracts of the 32th European Workshop on Computational Geometry (EuroCG'16)*, pages 139–143, 2016.
- [3] M. Claverol, E. Khramtcova, E. Papadopoulou, M. Saumell, and C. Seara. Stabbing circles for sets of segments in the plane. In *Abstracts of 16th Spanish Meeting on Computational Geometry (EGC'15)*, pages 112–115, 2015.
- [4] E. Khramtcova and E. Papadopoulou. Randomized incremental construction for the Hausdorff Voronoi diagram. In *Young Researchers Forum of Computational Geometry Week (CG YRF'15)*
- [5] E. Khramtcova and E. Papadopoulou. Linear-time algorithms for the farthest-segment Voronoi diagram and related tree structures. In *Abstracts of the 31th European Workshop on Computational Geometry (EuroCG'15)*, pages 252–255, 2015.
- [6] E. Khramtcova and E. Papadopoulou. A simple RIC for the Hausdorff Voronoi diagram of non-crossing clusters. In *Abstracts of the 31th European Workshop on Computational Geometry (EuroCG'14)*.
- [7] P. Cheilaris, E. Khramtcova, and E. Papadopoulou. Randomized incremental construction of the Hausdorff Voronoi diagram of non-crossing clusters. In *Abstracts of the 29th European Workshop on Computational Geometry (EuroCG'13)*, pages 159–162, 2013.

Articles under review (ArXiv preprints available)

- [1] E. Khramtcova and E. Papadopoulou. Randomized Incremental Construction for the Hausdorff Voronoi Diagram revisited and extended. *Preprint: Randomized Incremental Construction for the Hausdorff Voronoi Diagram of point clusters*. arXiv:1612.01335

Articles in peer-reviewed local journals

- [1] E. Khramtcova. Presaccadic peak detection problem in electrooculography method of eye-tracking. *System Programming Journal*, 5, 2010. (in Russian).