List of Publications

Mark H. Overmars

August 29, 2006

Journal publications to appear

The following papers have been accepted for publication in journals but have not yet appeared.

[1] J-S. Cheong, A.F. van der Stappen, K. Goldberg, M.H. Overmars, E. Rimon, Immobilizing hinged polygons, *Int. J. of Comp. Geom. and Appl.* 2006, to appear.

[2] P. Agarwal, M.H. Overmars, M. Sharir, Computing maximally separated sets in the plane and independent sets in the intersection graph of unit disks, *SIAM J. Computing,* 2006, to appear.

[3] M. de Berg, D. Halperin, M.H. Overmars, An intersection-sensitive algorithm for snap rounding, *Comput. Geom.: Theory and Applications,* 2006, to appear.

[4] D. Nieuwenhuisen, A. Kamphuis, M. Mooijekind, M.H. Overmars, High quality navigation in computer games, *Science of Computer Programming,* 2006, to appear.

[5] E. Demaine, J. Erickson, D. Krizanc, H. Meijer, P. Morin, M.H. Overmars, S. Whitesides, Realizing partitions respecting full and partial order information, *Journal of Discrete Algorithms,* 2006, to appear.

Refereed conference publications to appear

The following papers have been accepted for publication in refereed conference proceedings but have not yet appeared.

[1] J. van den Berg, M.H. Overmars, Computing shortest paths amidst growing discs in the plane, *Proceedings EURO-CG-2006,* 2006, to appear.

[2] D. Nieuwenhuisen, A.F. van der Stappen, M.H. Overmars, Pushing using compliance, *Proceedings of the IEEE International Conference on Robotics and Automation,* 2006, to appear.

[3] J. van den Berg, M.H. Overmars, Planning the shortest safe path amidst unpredictably moving obstacles, *Proceedings WAFR 2006,* 2006, to appear.

[4] D. Nieuwenhuisen, A.F. van der Stappen, M.H. Overmars, Path planning among movable obstacles, *Proceedings WAFR 2006,* 2006, to appear.

[5] J. van den Berg, M.H. Overmars, Path planning in repetitive environments, *Proceedings MMAR 2006,* 2006, to appear.

[6] R. Geraerts, M.H. Overmars, Creating high-quality roadmaps for motion planning in virtual environments, *Proceedings IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS'06),* 2006, to appear.

Journal publications

[1] R. Geraerts, M.H. Overmars, Sampling and node adding in probabilistic roadmap planners, *Robotics and Autonomous Systems Journal,* **54** (2006), pp. 165–173.

[2] M. de Berg, J. Gudmundsson, M. Katz, C. Levcopoulos, M.H. Overmars, A.F. van der Stappen. TSP with neighborhoods of varying size, *J. Algorithms,* **57** (2005), pp. 22–36.

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Refereed conference publications

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