# 184.726 Advanced Multiprocessor Programming Project 10: Wait-Free Linked List

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#### 1 Introduction

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- 2 Wait-Free List Implementation
- 3 Benchmarking
- 4 Summary and Outlook

#### References

- [1] S. Timnat, A. Braginsky, A. Kogan, and E. Petrank, "Wait-free linked-lists," *ACM SIGPLAN Notices*, vol. 47, pp. 309–310, Sep. 2012.
- [2] T. L. Harris, "A pragmatic implementation of non-blocking linked-lists," DISC '01, pp. 300–314, 2001.
- [3] M. Herlihy and N. Shavit, *The Art of Multiprocessor Programming, Revised Reprint*, 1st. San Francisco, CA, USA: Morgan Kaufmann Publishers Inc., 2012, ISBN: 9780123973375.