

Preliminary list of sources

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This article develops strategies for parallelizing both CKY and Earley's algorithms from a general parallel framework. [JPSZ92]

This article directly compares sequential and parallelized form of the CKY algorithm. [NTTT97]

This article analyses the upper bound for a generic bottom up parser(it is however a shift-reduce parser, so i dont know how much relevance it will hold). It does however seem to contain analysis that could be translated over to other bottom up strategies, such as CKY. [CHK82]

This article proposes and analyses several parallel strategies to CKY parsing. [HW91]

References

- [CHK82] Jacques Cohen, Timothy Hickey, and Joel Katcoff. Upper bounds for speedup in parallel parsing. *J. ACM*, 29(2):408–428, 1982.
- [HW91] Jane C. Hill and Andrew Wayne. A cyk approach to parsing in parallel: a case study. In *Proceedings of the twenty-second SIGCSE technical symposium on Computer science education*, pages 240–245. ACM Press, 1991.
- [JPSZ92] Wil Janssen, Mannes Poel, Klaas Sikkkel, and Job Zwiers. The primordial soup algorithm: a systematic approach to the specification of parallel parsers. In *Proceedings of the 14th conference on Computational linguistics*, pages 373–379. Association for Computational Linguistics, 1992.
- [NTTT97] T. Ninomiya, K. Torisawa, K. Taura, and J. Tsujii. A parallel cky parsing algorithm on large-scale distributed-memory parallel machines, 1997.