

---

# Notes bibliographiques

- [Aho1991]** Aho, Alfred V. ; Sethi, Ravi ; et Ullman, Jeffrey D. 1991. *Compilateurs : Principes, techniques et outils*. Interédition, Paris.
- [Allen1981]** Allen, F; Cocke, J; Kennedy, K. 1981. “*Reduction of Operator strength*” in [Muchnick1981]. Pages 143-154.
- [Ammons1998]** Glenn Ammons and James L. Larus. *Improving data-flow analysis with path profiles*. In Proceedings of the ACM SIGPLAN '98 Conference on Programming Language Design and Implementation, 1998.
- [Bacon1994]** Bacon, David; Graham, Susan; Sharp, Oliver. December 1994. *Compiler Transformation for High-Performance Computing*. Commun. ACM, vol. 26, No. 4.
- [Bodík1998]** Rastislav Bodík, Rajiv Gupta, Mary Lou Soffa. 1998. *Complete Removal of Redundant Expressions*.
- [Briggs1999]** Briggs, Preston; Cooper, Keith D; Harvey, Timothy J; Simpson, Taylor L. 1999. *Practical Improvements to the Construction and Destruction of Static Single Assignment*. To appear.
- [Chow1997]** Chow, Fred; Chan, Sun; Kennedy, Robert; Liu, Shin-Ming; Lo, Raymond; Tu, Peng. 1997. *A New Algorithm for Partial Redundancy Elimination based on SSA Form*. In Proceedings of the ACM SIGPLAN '97 Conference on Programming Languages Design and Implementation. Las Vegas, pages 273-286.
- [Chow1998a]** Chow, Fred; Kennedy, Robert; Liu, Shin-Ming; Lo, Raymond; Tu, Peng. 1998. *Register Promotion by Sparse Partial Redundancy Elimination of Loads and Stores*. In Proceedings of the ACM SIGPLAN '97 Conference on Programming Languages Design and Implementation. Montreal, pages 26-37.
- [Chow1998b]** Chow, Fred; Dahl, Peter; Kennedy, Robert; Liu, Shin-Ming; Lo, Raymond; Tu, Peng; Streich, Mark. 1998. *Strength reduction via SSAPRE*. In Proceedings of the Seventh Conference on Compiler Construction.

- [Chow1999]** Chow, Fred; Chan, Sun; Kennedy, Robert; Liu, Shin-Ming; Lo, Raymond; Tu, Peng. 1999. *A New Algorithm for Partial Redundancy Elimination based on SSA Form*. To appear.
- [Click1995a]** Click Cliff. February 1995. *Combining Analyses, Combining Optimizations*. PhD thesis at Rice University. Houston, Texas..
- [Click1995b]** Click Cliff. 1995. *Global code motion global value numbering*. In Proceedings of the ACM SIGPLAN '95 Conference on Programming Languages Design and Implementation. Pages 246-257.
- [Click1996]** Click Cliff and Cooper Keith D. March 1996. *Combining Analyses, Combining Optimizations*. ACM Transactions on Programming Languages and Systems, Vol. 17, No. 2, Pages 181-196.
- [Cytron1991]** Cytron, Ron; Ferrante, Jeanne; Rosen, Barry K.; Wegman, Mark N. and Zadeck Kenneth f. October 1991. *Efficiently computing static single assignment form and control dependence graph*. ACM Transactions on Programming Languages and Systems, Vol 13, No 4), Pages 452-490.
- [Davey1990]** Davey, B. A. ; Priestley, H. A. 1990. *Introduction to Lattices and Order*. Cambridge University Press.
- [Dhamdhere1993]** Dhamdhere, Dhananjay M ; Khedker, Uday P. 1993. *Complexity of Bidirectional Data Flow Analysis*. ACM In Conference Record of the 20<sup>th</sup> ACM Symposium on Principles of Programming Languages, pages 397-408.
- [Drechsler1988]** Drechsler, K-H; Stadel, M P. 1988. *A Solution to a problem with Morel and Renvoise's "Global Optimization by Suppression of Partial Redundancies"*. ACM Transactions on Programming Languages and Systems, Vol. 10, No. 4, Pages 635-640.
- [Fischer1991]** Fischer, Charles N. ; Leblanc, Richard J. 1991. *Crafting a compiler with C*. Benjamin/Cummings, Redwood.
- [Gerlek1995]** Gerlek, M P; Stoltz, E; Wolfe, Michael. January 1995. *Beyond Induction Variables: Detecting and Classifying Sequences Using a Demand-Driven SSA Form*. ACM Transactions on Programming Languages and Systems, Vol. 17, No. 1, Pages 85-122.
- [Gupta1998]** R. Gupta, D. Berson, and J ;Z. Fang. *Path profile guided partial redundancy elimination using speculation*. In IEEE International Conference on Computer Languages, May 1998.
- [Harel1985]** Harel, D. May 1985. *A linear time algorithm for finding dominators in flow graphs and related problems*. In Proceedings of the 17<sup>th</sup> ACM Symposium on Theory of Computing, New-York, pages 185-194.

- [Harrold1994]** Harrold, Mary Jean ; Soffa, Mary Lou. March 1994. *Efficient Computation of Interprocedural Definition-Use Chains*. ACM Transactions on Programming Languages and Systems, Vol. 16, No. 2, Pages 175-204.
- [Kam1976]** Kam, J. ; Ullman, J. 1976. *Global data flow analysis and iterative algorithms*. J. ACM 23, 1(Jan), 158-171.
- [Khedker1994]** Khedker, Uday P. ; Dhamdhere, Dhananjay M. September 1994. *A Generalised Theory of Bit Vector Data Flow Analysis*. ACM Transactions on Programming Languages and Systems, Vol. 16, No. 5, Pages 1472-1511.
- [Kildall1973]** Kildall, G. 1973. *A unified approach to global program optimization*. In ACM Symposium on Principles of programming Languages. ACM, New York, 194-206.
- [Knoop1994a]** Jens Knoop, Oliver Rüthing, and Bernhard Steffen. 1994. *Optimal code motion : Theory and practice*. ACM Trans. On Progr. Languages and Systems, 16(4) : 1117-1155.
- [Knoop1994b]** Jens Knoop, Oliver Rüthing, and Bernhard Steffen. June 1994. *Partial Dead Code Elimination*. In Proceedings of the ACM SIGPLAN '94 Conf. On Progr. Language Design and Implementation, pages 147-158.
- [Lengauer1979]** Lengauer, T; Tarjan, R. E. July 1979. *A fast algorithm for finding dominators in flowgraph*. ACM Transaction on Programming Languages and Systems, Vol; 1, No. 1, pages 121-141.
- [Marlow1990]** Marlow, T. J. ; Ryder B. G. 1990. *Properties of data flow frameworks : A unified model*. Acta Informatica 28, Pages 121-163.
- [Metzger1993]** Metzger Robert and Stroud Sean. March-December 1993. *Interprocedural Constant Propagation: An Empirical Study*. ACM Transactions on Programming Languages and Systems, Vol. 2, Nos. 1-4, Pages 213-232.
- [Morel1979]** E. Morel and C. Renvoise. *Global optimization by suppression of partial redundancies*. CACM, 22(2). 96-103, 1979.
- [Muchnick1981]** Muchnick, S. ; Jones, N. 1981. *Program Flow Analysis : Theory and Applications*. Prentice-Hall, Englewood Cliffs, New Jersey.
- [Ramalingam1996]** G. Ramalingam. *Data flow frequency analysis*. In Proceedings of the ACM SIGPLAN '96 Conf. On Progr. Language Design and Implementation, pages 267-277, June 1996.
- [Sreedhar1995]** Sreedhar, Vugranam C.; Gao, Guang R. January 1995. *A linear time algorithm for placing f-nodes*. In Conference Record of the Eighteenth ACM Symposium on Principles of Programming Languages, pages 62-73.

- [Sreedhar1997]** Sreedhar, Vugranam C.; Gao, Guang R ; Lee, Yong-Fong. March 1997. *Incremental Computation of Dominator Trees*. ACM Transactions on Programming Languages and Systems, Vol. 19, No. 2, Pages 239-252.
- [Stallings1996]** Stallings, William. 1996. *Computer organization and architecture*. Fourth edition. Prentice Hall, Upper Saddle River, NJ.
- [Steffen1996]** Bernhard Steffen. *Property oriented expansion*. In Proc. Int. Static Analysis Symposium (SAS'96), volume 1145 of LNCS, pages 22-41, Germany, September 1996. Springer.
- [Wegman1991]** Wegman, Mark; Zadeck, Kenneth. April 1991. *Constant Propagation with Conditional Branches*. ACM Transactions on Programming Languages and Systems, Vol. 13, No. 2, Pages 181-210.
- [Wolfe1993a]** Wolfe, Michael. 1993. *Analysis and optimization for modern architectures*. Oregon Graduate Institute.
- [Wolfe1993b]** Wolfe, Michael. August 1993. *Advanced Analysis and optimizing for Parallelism*. Oregon Graduate Institute.
- [Wolfe1996]** Wolfe, Michael. 1996. *High performance compilers for parallel computing*. Addison-Wesley.