

Modern Compiler Optimizations

An Annotated Bibliography

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References

- [1] S. Ainsworth and T. M. Jones, “Software prefetching for indirect memory accesses,” in *Proceedings of the 2017 International Symposium on Code Generation and Optimization*, ser. CGO '17. Piscataway, NJ, USA: IEEE Press, 2017, pp. 305–317. [Online]. Available: <http://dl.acm.org/citation.cfm?id=3049832.3049865>
- [2] S. Dissegna, F. Logozzo, and F. Ranzato, “Tracing compilation by abstract interpretation,” *SIGPLAN Not.*, vol. 49, no. 1, pp. 47–59, Jan. 2014. [Online]. Available: <http://doi.acm.org/10.1145/2578855.2535866>
- [3] Y. Ko, B. Burgstaller, and B. Scholz, “Laminarir: Compile-time queues for structured streams,” *SIGPLAN Not.*, vol. 50, no. 6, pp. 121–130, June 2015. [Online]. Available: <http://doi.acm.org/10.1145/2813885.2737994>
- [4] J. Lifflander and S. Krishnamoorthy, “Cache locality optimization for recursive programs,” *SIGPLAN Not.*, vol. 52, no. 6, pp. 1–16, June 2017. [Online]. Available: <http://doi.acm.org/10.1145/3140587.3062385>
- [5] S. Mehta and P.-C. Yew, “Improving compiler scalability: Optimizing large programs at small price,” *SIGPLAN Not.*, vol. 50, no. 6, pp. 143–152, June 2015. [Online]. Available: <http://doi.acm.org/10.1145/2813885.2737954>

- [6] V. Paisante, M. Maalej, L. Barbosa, L. Gonnord, and F. M. Quintão Pereira, "Symbolic range analysis of pointers," in *Proceedings of the 2016 International Symposium on Code Generation and Optimization*, ser. CGO '16. New York, NY, USA: ACM, 2016, pp. 171–181. [Online]. Available: <http://doi.acm.org/10.1145/2854038.2854050>
- [7] T. Rompf, A. K. Sujeeth, K. J. Brown, H. Lee, H. Chafi, and K. Olukotun, "Surgical precision jit compilers," *SIGPLAN Not.*, vol. 49, no. 6, pp. 41–52, June 2014. [Online]. Available: <http://doi.acm.org/10.1145/2666356.2594316>
- [8] K. Stock, M. Kong, T. Grosser, L.-N. Pouchet, F. Rastello, J. Ramanujam, and P. Sadayappan, "A framework for enhancing data reuse via associative reordering," *SIGPLAN Not.*, vol. 49, no. 6, pp. 65–76, June 2014. [Online]. Available: <http://doi.acm.org/10.1145/2666356.2594342>
- [9] K. A. Tran, T. E. Carlson, K. Koukos, M. Sjlander, V. Spiliopoulos, S. Kaxiras, and A. Jimborean, "Clairvoyance: Look-ahead compile-time scheduling," in *2017 IEEE/ACM International Symposium on Code Generation and Optimization (CGO)*, Feb 2017, pp. 171–184.