Optimizations for Dynamic Languages


Dynamic Code Optimization


Profile-Directed Optimization


Information Flow and Security


Pointer Analysis


Software Pipelining


Optimizing Streams


Compiling for GPUs

- Sungpack Hong, Oguntebi, T., Ohukotun, K. "Efficient Parallel Graph Exploration on Multi-Core CPU and GPU," in Proceedings of the Parallel Architectures and Compilation Techniques (PACT), October 2011.

Register Allocation


Cache Optimizations


**Machine Learning and Optimizations**


**Parallelization**


