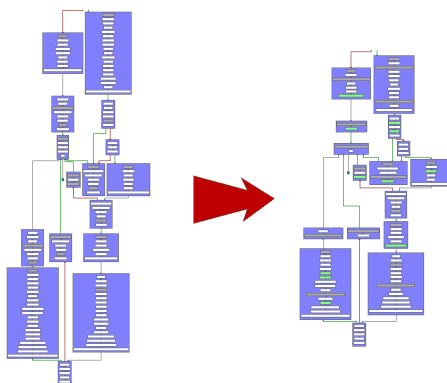


aiPop – Code Compaction

Less is more.

The **aiPop** optimizer suite was developed to reduce the code size and to improve the code quality of assembly or object files produced by a C compiler.



Features

- **Automatic** code size reduction based on abstract interpretation and advanced pattern matching techniques.
- **High performance** even for global optimizations thanks to a sophisticated pattern database.
- **Seamless integration** into existing tool-chains.
- **Excellent** compaction rates.

Why do you need aiPop?

- Tests on complete reference customer applications showed overall size reductions of more than 20%. Compacting code by 20% allows **25% more functionality** to be packed into a flash memory of the same size.
- Reduction of code size directly translates into reduced memory requirements and **reduced hardware costs**.
- **aiPop** supports **incremental program verification**, which is especially important for safety-critical applications.
- Tedious and error-prone hand-crafted optimization is a thing of the past. With **aiPop**, you can easily select from and combine dozens of optimization techniques, trade size for speed and vice versa. Thus, **saving considerable effort and expense**.

Availability

- **aiPop for C16x/ST10** optimizes assembly files in .src format as produced by the Tasking C compiler for C16x/XC16x/ST10/Super10. It is available for Linux, Solaris and Windows 98/2000/NT/XP.
- **aiPop for HC08** optimizes assembly files as produced by the Cosmic compiler for Motorola M68HC08. It is available for Linux and Windows 98/2000/NT/XP.

About AbsInt

AbsInt Angewandte Informatik GmbH provides advanced tools and services in the areas of compiler optimization, static program analysis, and worst-case execution time prediction.