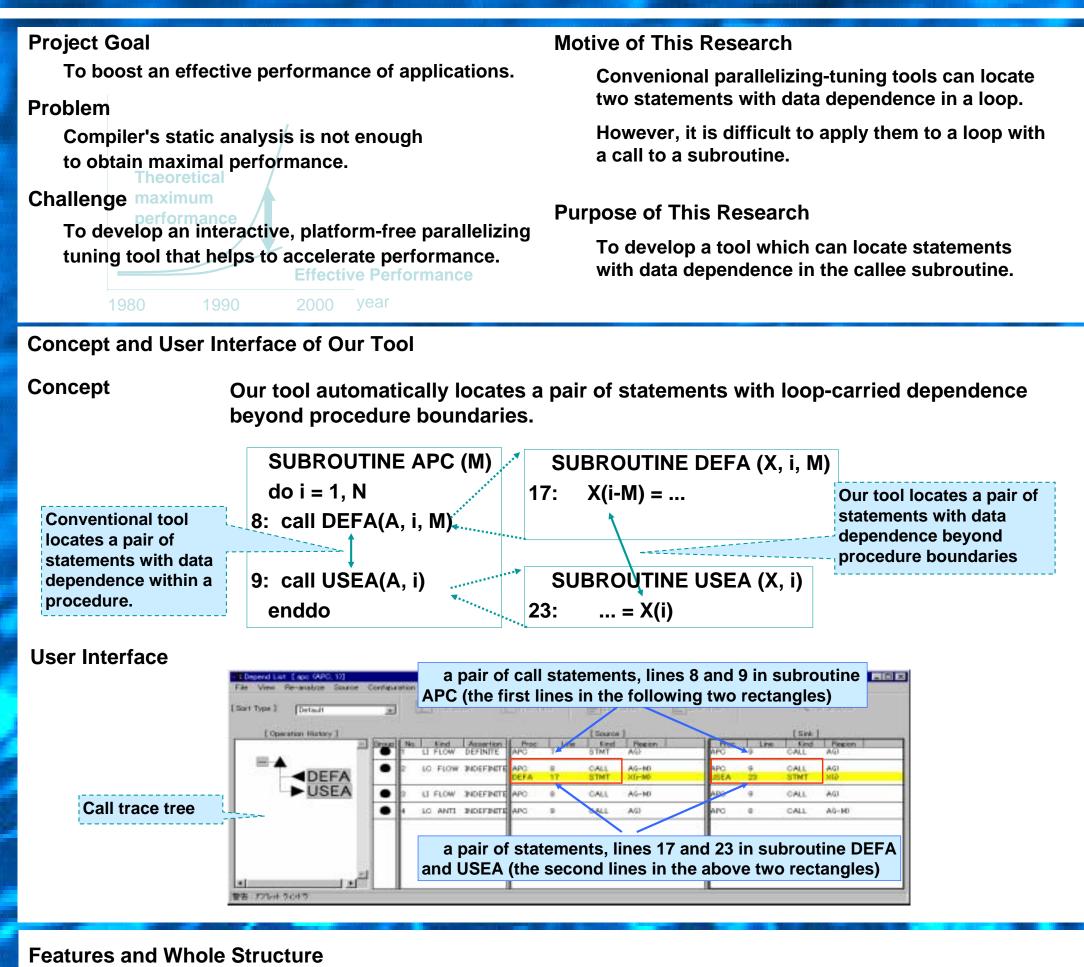


Interprocedural Data Dependence Locator

Makoto SATOH ^{1, 2}, Kiyomi WADA ^{1, 2}

¹ APC Technology Group ² Hitachi, Ltd.



Features

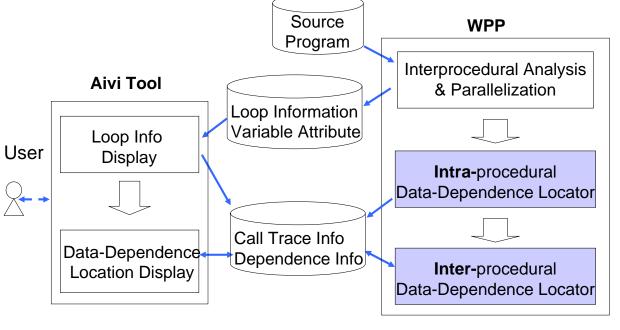
Whole Structure

(1)Reduction of the number of dependence variables.

- Dependence info of only serial loop is analyzed.
- Variable attribute is taken into account: private and reduction variables are excluded from the candidates of dependence variables.

(2) Some loops are found to be parallelizable.

 The tool analyzes an exact dependence info of each statement in the callee subroutine.
So, it does not merge dependence info of multiple statements as the WPP does.



WPP: Whole Program Parallelizer (Automatic parallelizing module),

Aivi: Analysis Information VIsualizer