Dependence analysis is important for loop optimizations and parallelization. It includes:

- Data dependence tests and conservative approximations to disjointness of memory accesses
- Loop optimization
- Array subscript in loops
- Index space
- Dependence graph

Control and data dependence:

- Control dependence by control flow
- Data dependence

Importance of loop optimizations and parallelization.
Dependence tests (1)

Survey of dependence tests


ADVANCED COMPILER CONSTRUCTION—Dependence analysis.

Dependence tests (1)

Survey of dependence tests


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