

schematic  
database  
file

CAD

sch-extractor  
back-annotator  
netlist-extractor

circuit  
extractor

parse tree

circuit graph  
database

netlist file

syntax checking

error  
handling

consistency  
logical checking

**CONCURRENT  
CONTROL**

**Dynamic Shared Object  
CONTROL**

compiled  
models  
generator

Analysis tools

Synthesis  
tools

Optimization  
tools

Shared  
mathematics

Compiled  
models