
1 CUTE Standard Compiler Path Listing

This chapter lists path used by CUTE standard compiler. In following section, I abbreviate CUTE standard compiler to **the compiler**.

1.1 Common frontend

Preprocessor

First path of the compiler is a preprocessor.

Parser

Second path of the compiler is a parser.

It use lexical analyzer (lexer) to make token, and syntactic analyzer (parser) to make AST.

Semantic Analyzer

Third path of the compiler is a semantic analyzer.

IR Generator

Fourth path of the compiler is a IR generator.

1.2 Interpreter backend

Interpreter

Fifth path of the compiler is a interpreter.

1.3 Compiler backend

1.4 IR converter

Fifth path of the compiler is a IR converter.

1.5 Code Generator

Sixth path of the compiler is a code generator.