

# Japanese Compile-time Metaprogramming - AST Transformations

## AST

GroovyGroovyAST (Abstract Syntax Tree:)

GroovyGroovyASTJVMAS

ASTGroovy

JAR META-INF/services/org.codehaus.groovy.transform.ASTTransformationorg.codehaus.groovy.transform.ASTTransformation AST

org.codehaus.groovy.transform.ASTTransformation

ASTGroovyAST

- [Japanese Bindable and Vetoable transformation](#)
- [Japanese Building AST Guide](#)
- [Japanese Category and Mixin transformations](#)
- [Japanese Compiler Phase Guide](#)

[Japanese Grape@Grab](#)

## AST

AST

- [Japanese Global AST Transformations](#)
- [Japanese local AST transformation](#)

AST

- [Japanese Compiler Phase Guide -](#)
- [Japanese Building AST Guide - AST](#)