Interpreter

- Interpreter
 - Source interpretation

- Interpreter
 - Source interpretation
 - Tree interpretation

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 - Tree interpretation
 - Making P-code
 - From shift/reduce sequence
 - From tree

- Interpreter
 - Source interpretation
 - Tree Interpretation
 - Making P-code
 - Interpreting P-Code

- Interpreter
- JIT

- Interpreter
- JIT
 - Pcode driven
 - Directly from source

- Interpreter
- JIT
- Hybrid JIT-Interpreter
 - Switches between machine code and Pcode
 - Compile time vs. execution efficiency

- Interpreter
- JIT
- Hybrid JIT-Interpreter
- Compiler
 - Module at a time
 - Linkers

- Interpreter
- JIT
- Hybrid JIT-Interpreter
- Compiler
- Code Optimization

- Code Optimization
 - Specifying meaning

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 - Specifiying meaning
 - "as-if" rule

- Code Optimization
 - Specifying meaning
 - "as-if" rule
 - Cache aware

- Code Optimization
 - Specifying meaning
 - "as-if" rule
 - Cache aware
 - Local optimization
 - Constant folding
 - Peephole optimization
 - Identities

- Code Optimization
 - Specifying meaning
 - "as-if" rule
 - Cache aware
 - Local optimization
 - Non-local optimization
 - Common subexpression elimination
 - Hoisting

- Code Optimization
 - Specifying meaning
 - "as-if" rule
 - Cache aware
 - Local optimization
 - Non-local optimization
 - Heavy-duty optimization
 - Flow analysis
 - Register allocation