

Discrete math
Category theory
Type theory
TAOCP
Property based testing/Invariance
Machine learning*
Abstract algebra
Higher order logic
Probability
Statistics
Software verification
Homological algebra

Design and Implementation:
SAT solver
Message passing synchronisation
Algorithmic skeleton
WebAssembly/Process VM
VM/GCed microkernel OS
Whole-program optimizing compiler
Total programming language
Computer algebra system
Statistical computing