

CERE

Codelet outlining
and instrumentation

Application
profiling

Codelet
filtering

Optional
codelet
subsetting

Reduced set of
codelet

Full codelet set

Invocation
selection

Codelet
working set
and cache
capture



LLVM

Set of applications

INPUT

Piecewise
optimization

Replay

Applications
performance
prediction

Replay

Full codelet set
Reduced invocation

OUTPUT

Reduced codelet set
Reduced invocation

