Production VM: Representative 32 bit address space

Text	Data	...	Machine code zone	Young Space	Old Space (Segment 1)	...	Old Space (Segment 2)	...	C Stack	Smalltalk Stack
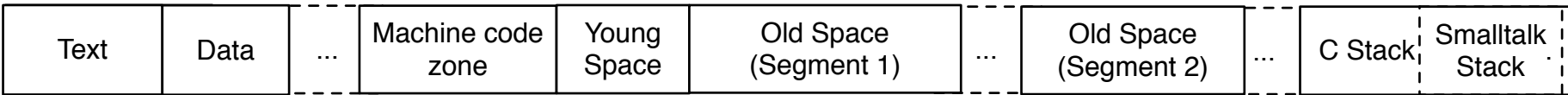
Interp., JIT, GC code

Smalltalk objects
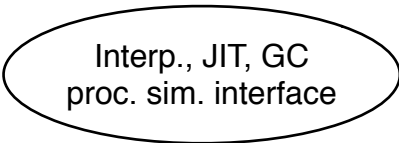
Simulation Architecture

Interp., JIT, GC proc. sim. interface

Machine code zone	Smalltalk Stack	Rump C Stack	Young Space	Old Space (Segment 1)	Old Space (Segment 2)

Single very large ByteArray, shared between Smalltalk and Processor Simulator

Processor simulator

Register state