

Ruby runtime

RubiCL 'Environment' Singleton

@@Current Device

← Computation redirected to —

CPU Device Singleton < Device

Task Queue

Buffer Manager

@loaded_type
@buffer_ptr

#run_tasks

GPU Device Singleton < Device

Task Queue

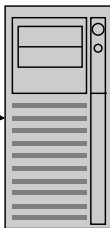
Buffer Manager

@loaded_type
@buffer_ptr

#run_tasks

Allocate / retrieve buffers

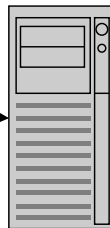
Schedule Kernel execution



CPU Hardware Device

Allocate / retrieve buffers

Schedule Kernel execution



GPU Hardware Device