```
...
void match() {
  coordinator.rx_pictures();

  coordinator.picture_partitioning();

  workers_loop:
  for(i = 0 to n_workers)
      motion_counterpart[i] = worker[i].match(...)

  coordinator.tx_motion_counterpart();
}
...
```
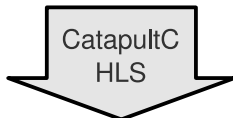
C++ code

Synthesis directives

CatapultC HLS

```
directive set
    workers_loop -UNROLL yes
...
```

SystemC models

VHDL/Verilog descriptions