Flow Chart for Invisible AI Co-op Take Home

Master

LEGEND

Open Video

Thread

Start threadpool → TPN_t** threadData

Data Structure

Worker | Worker | Worker

Thread exits

Spins on tasks | Spins on tasks | Spins on tasks

Loop over frames

Loop →

Send tasks to pool → Global taskLists

Data Flow →

Compute | Compute | Compute

Send to Master | Send to Master | Send to Master

Read results ← Global responseLists

cv::imshow()

Shutdown threadpool → TPN_t** threadData

pthread_exit() | pthread_exit() | pthread_exit()

exit(0) ← TPN_t** threadData