PFLOCK Report

Andres Calderon

University of California, Riverside
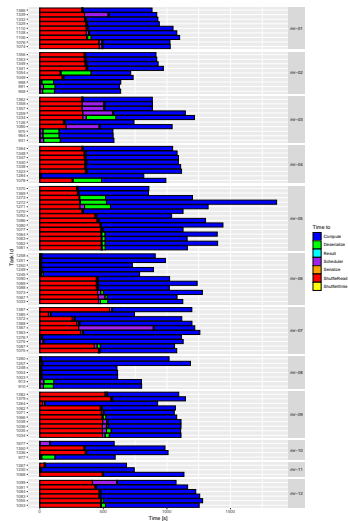
July 3, 2020

Implementation update

▶ Extension zone goes up to $2 * \varepsilon$:
  1. Finding pairs, centers, disks and pruning in the same partition.
  2. No repartition is required.
▶ Test and validate the changes vs sequential BFE.

Task histogram

Top 100 tasks by duration[1]...

---

[1] click to enlarge

What's next

- ▶ Understand why the high shuffle cost.
- ▶ Update proofs.