

Introduction

Paul Gessinger

CERN

2022-03-04



Highlights

tracc

- **SYCL HIP Backend Compatibility, main branch (2022.03.01.)** ([PR#140](#))
by [@krasznaa](#), merged on 2022-03-02

detray

- **ref: Remove edges from surfaces** ([PR#201](#))
by [@niermann999](#), merged on 2022-02-21
- **Add RK stepper** ([PR#204](#))
by [@beomki-yeo](#), merged on 2022-02-22
- **Propagator with RK stepper** ([PR#209](#))
by [@beomki-yeo](#), merged on 2022-02-28
- **Grid2 Const Correctness, main branch (2022.02.28.)** ([PR#215](#))
by [@krasznaa](#), merged on 2022-03-01

Today

- **Parallelization API with OpenMP (CPU) and CUDA**
by Georgiana Mania

Backup

acts-project/traccc
Merged PRs

acts-project/traccc: PRs merged since 2022-02-18 I

- **SYCL seeding synchronization fix (PR#137)**
by [@konradkusiak97](#), merged on 2022-02-22
- **Program Options Improvements, main branch (2022.02.22.) (PR#138)**
by [@krasznaa](#), merged on 2022-02-25
- **SYCL Code Cleanup, main branch (2022.02.25.) (PR#139)**
by [@krasznaa](#), merged on 2022-03-01
- **SYCL HIP Backend Compatibility, main branch (2022.03.01.) (PR#140)**
by [@krasznaa](#), merged on 2022-03-02

acts-project/traccc
Open PRs

acts-project/traccc: Open PRs I

- **Fix for SYCL Seeding on Intel GPU (PR#141)**
by [@konradkusiak97](#), updated on 2022-03-03
- **Add Seeding Performance Writer (PR#130)**
by [@beomki-yeo](#), updated on 2022-02-18
- **Add a mapper for validation purpose (PR#133)**
by [@beomki-yeo](#), updated on 2022-02-17
- **Another CUDA implementation of connected component labeling (PR#19)**
by [@stephenswat](#), updated on 2021-12-01

acts-project/vecmem
Merged PRs

acts-project/vecmem: PRs merged since 2022-02-18 |

- **Visual Studio 2022 Update, main branch (2022.02.24.)** ([PR#167](#))
by [@krasznaa](#), merged on 2022-02-24
- **sycl::atomic_ref, main branch (2022.02.24.)** ([PR#168](#))
by [@krasznaa](#), merged on 2022-02-24

acts-project/vecmem
Open PRs

acts-project/vecmem: Open PRs I

- **[WIP] Add cms caching cuda allocator** ([PR#79](#))
by [@cgleggett](#), updated on 2021-04-28

acts-project/detray
Merged PRs

acts-project/detray: PRs merged since 2022-02-18 I

- **ref: Remove edges from surfaces** (PR#201)
by @niermann999, merged on 2022-02-21
- **Add RK stepper** (PR#204)
by @beomki-yeo, merged on 2022-02-22
- **Specialize make tuple for thrust and std** (PR#206)
by @beomki-yeo, merged on 2022-02-28
- **feat: typed indices** (PR#207)
by @niermann999, merged on 2022-02-28
- **Propagator with RK stepper** (PR#209)
by @beomki-yeo, merged on 2022-02-28
- **chore: clean clang warnings** (PR#212)
by @niermann999, merged on 2022-03-01

acts-project/detray: PRs merged since 2022-02-18 II

- **Grid2 Const Correctness, main branch (2022.02.28.)** ([PR#215](#))
by [@krasznaa](#), merged on 2022-03-01

acts-project/detray
Open PRs

acts-project/detray: Open PRs I

- **Fix a bug in 'helix_gun'** ([PR#218](#))
by [@beomki-yeo](#), updated on 2022-03-04
- **CUDA propagator benchmark** ([PR#216](#))
by [@beomki-yeo](#), updated on 2022-03-03
- **feat: adding nlohman library** ([PR#213](#))
by [@asalzburger](#), updated on 2022-03-02
- **feat: make surface finders callable from navigator** ([PR#208](#))
by [@niermann999](#), updated on 2022-02-28
- **feat: add guided navigator example** ([PR#197](#))
by [@niermann999](#), updated on 2022-02-09
- **ref: Use adj matrix in geometry graph** ([PR#179](#))
by [@niermann999](#), updated on 2022-01-17

No merged PRs since **2022-02-18** in
acts-project/algebra-plugins

Contributions today I

- **Parallelization API with OpenMP (CPU) and CUDA**
by Georgiana Mania