

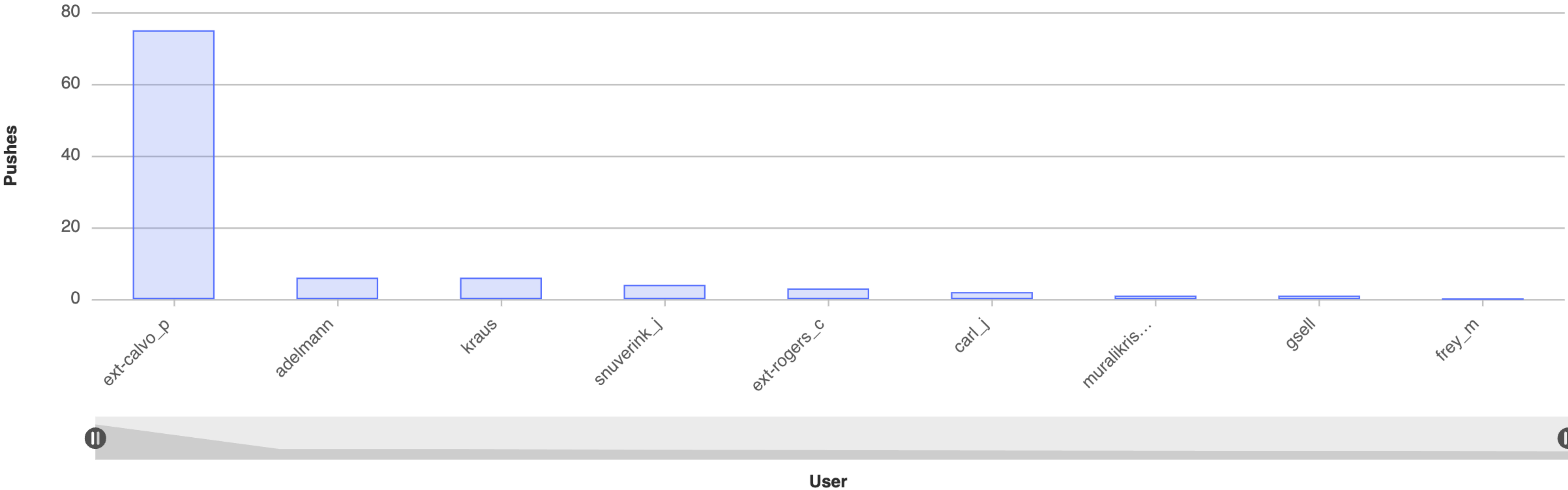
Virtual OPAL Developer Meeting 2022 June - Introduction

Contribution analytics for issues, merge requests and push events since 2022-03-17



Pushes

98 pushes, more than 398.0 commits by 8 people contributors.



Content

1. Updates OPAL (S Muralikrishnan for A Adelman)
2. Updates on IPPL V 2.x (S Muralikrishnan)
3. pyOPAL (Ch Rogers)
4. 2022 releases (A Gsell)
5. Pressing open issues (all)

Updates

* 94 99 member in the active mailing list (opal@lists.psi.ch)

At present the focus in large is on:

- continue consolidation & code cleanup
- working on bugfixes / feature requests
 - 12 ~~15~~ bugs 20 ~~19~~ feature requests

* delayed OPAL paper



Current projects - 1

☑ P3M in OPAL (IPPL 1.0) (Sri & AA)

- IPPL 2.x (Sri & Matthias)

 - ✓ paper submitted CPC (<https://arxiv.org/abs/2205.11052>)

- Ch Rogers

 - FFA modeling (Ring element)

 - pyOPAL


- Sri & AA + MSc student

 - SwissFEL modeling

 - 2 new students for fall semester 2022 (load-balancing, full maxwell solver)

Current projects - 2

- Prepare OPAL for IPPL 2.x (AA)
 - ✓ adapt cmake such that IPPL is an external library
 - ✓ header file adaption
- Volunteer for replacing **Tensor and/in Quaternion class**



This is the documentation for an old version of boost. Click here for the latest Boost documentation.

“...one of the most highly regarded and expertly designed
— Herb Sutter and Andrei Al

QVM: Quaternions, Vectors, Matrices

Quaternions, Vectors, Matrices

Out of the box Boost QVM defines generic yet simple [quat](#), [vec](#) and [mat](#) types. For example, the following snippet creates a quaternion object that rotates around the X axis: