Arter, Wayne

From: David Moxey <david.moxey@kcl.ac.uk>
Sent: 30 June 2022 11:57
To: Neptune Progress
Cc: Chris Cantwell
Subject: Deliverables D1.4 and D3.3 for 2053622

Dear NEPTUNE progress,

I'm getting in touch with deliverables D1.4 and D3.3 from KCL/ICL for project 2053622.

Regarding D1.4 (Python interface, documentation and continual integration for the NekMesh generator for the developments undertaken in task 1). This comprises a number of code additions:

Python interface example with documentation:
- https://github.com/ExCALIBUR-NEPTUNE/nekmesh-python-demo

Code, documentation and CI for r-adaption work:
- Small bug-fix for Python interface: https://gitlab.nektar.info/nektar/nektar/-/merge_requests/1348
- Curve refinements: https://gitlab.nektar.info/nektar/nektar/-/merge_requests/1298
- r-adaptation for curves: https://gitlab.nektar.info/nektar/nektar/-/merge_requests/1349
- Heat transport tutorial/documentation: https://gitlab.nektar.info/nektar/tutorial/-/merge_requests/36

These are all in our merge request review process so we hope to get those merged into master of Nektar++ within the next couple of weeks, so there may be minor modifications made over the next couple of weeks.

Regarding deliverable D3.3 (activity such as an end-of-project workshop to highlight the developments in all tasks), we have provisionally agreed that this will be delivered at UKAEA on 1st August.

The only outstanding deliverable is therefore D2.4 (report summarising benchmarking and preconditioner assessment undertaken in Task 2), which I believe Chris will be in touch with soon.

Many thanks,

Dave

--
Dr David Moxey, PhD MMath FHEA
Reader in Engineering
david.moxey@kcl.ac.uk | web: davidmoxey.uk

Department of Engineering,
King's College London,
Strand, London, WC2R 2LS.