Arter, Wayne

From: Tyrone Rees - STFC UKRI <tyrone.rees@stfc.ac.uk>
Sent: 30 September 2022 17:18
To: Arter, Wayne
Cc: Sue Thorne - STFC UKRI; Hussam Al Daas - STFC UKRI; Niall Bootland - STFC UKRI
Subject: NEPTUNE Mathematical Support: Preconditioning and Time Advance Deliverables
Attachments: 2060049-TN-03.pdf

Follow Up Flag: Follow up
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Dear Wayne,

Attached is a report, 2060049-TN-03, summarizing our findings on preconditioning and time advance methods, deliverables D1.3 and D2.3 of this project. The proxy apps we used to generate these results can be found in the 'sw' subdirectory of the Maths Support GitHub repository (https://github.com/ExCALIBUR-NEPTUNE/MathsSupport), which are deliverables D1.2 (IRKIntegration and MFEM-advection-time-stepping) and D2.2 (Poisson, mfem-advection-diffusion and mfem-solver-bp). Instructions on how to run the proxy apps are in their readme files. Please let me know if you need any further information from us on this.

Best wishes,

Tyrone