A Research Software Engineering Workflow for Computational Science and Engineering: Example Report

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June 2022

1 Cross-linking the report, data, and software

This is a minimal example of a research report (or an article preprint), used to describe the Research Software Engineering (RSE) Workflow in Computational Science and Engineering (CSE).

A research report is linked with research data [3], an archive of the research code [1], and the version-control repository [2]. Additionally for software that has many dependencies, an image is archived and linked as well; this is not the case for the Minimal Working Example of the RSE workflow in CSE, because the example project only contains a standalone minimal C++ application.

References

[1] Tomislav Maric. Computational science and engineering - research software engineering workflow : Research code, 2022-07-21. URL `https://tudatalib.ulb.tu-darmstadt.de/handle/tudatalib/3524.5`.

[2] Tomislav Maric. Computational science and engineering - research software engineering workflow : Research code repository. 2022-07-21. URL `https://gitlab.com/cse-ci-examples/cse-rse-workflow-code/-/tree/2022-07-21-preprint`.

[3] Tomislav Maric. Computational science and engineering - research software engineering workflow : Research data, 2022-07-21. URL `https://doi.org/10.48328/tudatalib-910.2`.