

Interactive comment on “Slate: extending Firedrake’s domain-specific abstraction to hybridized solvers for geoscience and beyond” by Thomas H. Gibson et al.

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Dear Executive Editor,

Thank you for your comment. We are aware that GMD requires a version number in the manuscript title. However, this software is part of the Firedrake package and does not use version numbers. This is due to that fact that Firedrake operates on a continuous release system. This implies that the only supported version of Firedrake and all of its components (including Slate) is the one available on the master branch on Github.

A similar issue was raised and resolved in another paper within the Firedrake special

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issue. The discussion can be found here: <https://www.geosci-model-dev.net/11/4359/2018/gmd-11-4359-2018-discussion.html>

While Firedrake does not use version numbers, we do provide exact software versions used to produce the results in the paper (labeled by a corresponding Zenodo DOI). This ensures reproducibility as per the GMD standard. We also provide a facility for Firedrake users to generate DOIs for the exact set of Firedrake components used in an experiment. This identifies the version of the software used much more accurately than a version number would.

We would like to request that the title remains as is.

On behalf of the authors, Thomas Gibson

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