

## ***Interactive comment on “Automating the solution of PDEs on the sphere and other manifolds in FEniCS 1.2” by M. E. Rognes et al.***

**H. Weller (Editor)**

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I accept your arguments that this paper should not include energy conservation metrics for the non-linear equations. And your tests and diagnostics of the linearised equations are great. But your claims about energy conservation are very bold and potentially misleading to a reader who has not fully anticipated the consequences of your claims. You should therefore mention in the text that the numerical method is not expected to exactly conserve energy for the non-linear equations and put a reference to the QJ paper.

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Interactive comment on Geosci. Model Dev. Discuss., 6, 3557, 2013.

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