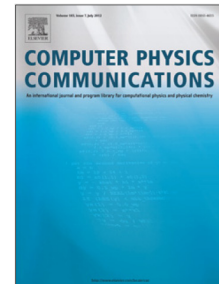


Accepted Manuscript

Reliability of the time splitting Fourier method for singular solutions in quantum fluids

M. Caliari, S. Zuccher



PII: S0010-4655(17)30300-4
DOI: <https://doi.org/10.1016/j.cpc.2017.09.013>
Reference: COMPHY 6326

To appear in: *Computer Physics Communications*

Received date: 29 December 2016

Revised date: 1 September 2017

Accepted date: 15 September 2017

Please cite this article as: M. Caliari, S. Zuccher, Reliability of the time splitting Fourier method for singular solutions in quantum fluids, *Computer Physics Communications* (2017), <https://doi.org/10.1016/j.cpc.2017.09.013>

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Revision of manuscript CPC-D-16-00747R1
**Reliability of the time splitting Fourier method
for singular solutions in quantum fluids**

M. Caliari

S. Zuccher

Dear Prof. Scott,

we addressed all reviewer #3's comments.

1. *the Authors should comment more on this motivation [...] and what works have been done recently by the community* In the introduction we added the suggested references (now [22,23]) and commented on them.
2. *[...] a reference and some comments on the recent work by Villois et al., Journal of Physics A, vol. 49, 2016 is in my opinion needed* In the same paragraph as above, we added a few lines describing this work (now [21]).
3. *the healing length depends on the value of the mean density* We clarified this point in the introduction.
4. *[...] new paragraph on the GP equation with an external potential. I think some part of the paragraph should be rewritten [...]* We rephrased the paragraph which was required (and found satisfactory) by reviewer #2.

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