

Accepted Manuscript

An improved dissipative particle dynamics scheme

N. Mai-Duy, N. Phan-Thien, T. Tran-Cong

PII: S0307-904X(17)30092-6
DOI: [10.1016/j.apm.2017.01.086](https://doi.org/10.1016/j.apm.2017.01.086)
Reference: APM 11584

To appear in: *Applied Mathematical Modelling*

Received date: 8 October 2016
Revised date: 12 January 2017
Accepted date: 30 January 2017

Please cite this article as: N. Mai-Duy, N. Phan-Thien, T. Tran-Cong, An improved dissipative particle dynamics scheme, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.01.086](https://doi.org/10.1016/j.apm.2017.01.086)



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- An improved dissipative particle dynamics (DPD) scheme for simulating mesoscopic flow phenomena in fluid systems
- Both the viscosity and the Schmidt number are independently specified as input parameters
- Analytic expressions for computing the lower and upper limits of the imposed viscosity.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5471053>

Download Persian Version:

<https://daneshyari.com/article/5471053>

[Daneshyari.com](https://daneshyari.com)