Accepted Manuscript

An overview of smoothed particle hydrodynamics for simulating multiphase flow

Zhi-Bin Wang , Rong Chen , Hong Wang , Qiang Liao , Xun Zhu , Shu-Zhe Li

PII:S0307-904X(16)30341-9DOI:10.1016/j.apm.2016.06.030Reference:APM 11235



To appear in: Applied Mathematical Modelling

Received date:9 March 2015Revised date:25 May 2016Accepted date:16 June 2016

Please cite this article as: Zhi-Bin Wang, Rong Chen, Hong Wang, Qiang Liao, Xun Zhu, Shu-Zhe Li, An overview of smoothed particle hydrodynamics for simulating multiphase flow, *Applied Mathematical Modelling* (2016), doi: 10.1016/j.apm.2016.06.030

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

- Recent advances in SPH for simulating the multiphase flow are reviewed.
- Pressure and boundary condition treatments are discussed.
- Kernels and interpolation methods are reviewed.
- Surface tension and high density ratio treatments are discussed.
- Applications of SPH on the multiphase flow are given.

ACERTICAL

Download English Version:

https://daneshyari.com/en/article/8052199

Download Persian Version:

https://daneshyari.com/article/8052199

Daneshyari.com