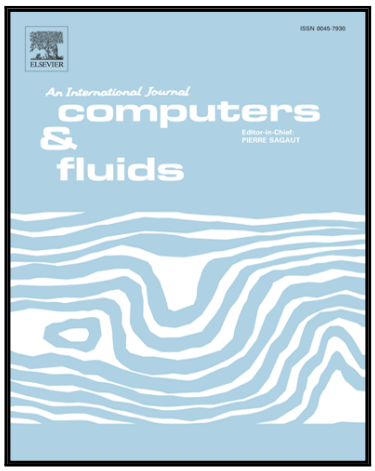
Accepted Manuscript



Moment method for unsteady flows with heterogeneous condensation

Xisheng Luo, Yun Cao, Huyue Xie, Fenghua Qin

PII: S0045-7930(17)30017-8
DOI: 10.1016/j.compfluid.2017.01.006
Reference: CAF 3372

To appear in: *Computers and Fluids*

Received date: 11 July 2016
Revised date: 28 November 2016
Accepted date: 4 January 2017

Please cite this article as: Xisheng Luo, Yun Cao, Huyue Xie, Fenghua Qin, Moment method for unsteady flows with heterogeneous condensation, *Computers and Fluids* (2017), doi: 10.1016/j.compfluid.2017.01.006

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.

ACCEPTED MANUSCRIPT

Highlights

1. The nucleation on inert nano-particles is modeled based on instant activating.
2. A credible classic MOM is successfully extended to heterogeneous condensation flows.
3. Condensation influence on flow is shown significant due to the mutual interaction.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5011984

Download Persian Version:

https://daneshyari.com/article/5011984

Daneshyari.com