Accepted Manuscript

Particle Image Velocimetry Experiments and Direct Numerical Simulations of Solids Suspension in Transitional Stirred Tank Flow

Genghong Li, Zhipeng Li, Zhengming Gao, Jiawei Wang, Yuyun Bao, J.J. Derksen

PII:	\$0009-2509(18)30450-0
DOI:	https://doi.org/10.1016/j.ces.2018.06.073
Reference:	CES 14347
To appear in:	Chemical Engineering Science
Received Date:	1 April 2018
Revised Date:	30 May 2018
Accepted Date:	25 June 2018



Please cite this article as: G. Li, Z. Li, Z. Gao, J. Wang, Y. Bao, J.J. Derksen, Particle Image Velocimetry Experiments and Direct Numerical Simulations of Solids Suspension in Transitional Stirred Tank Flow, *Chemical Engineering Science* (2018), doi: https://doi.org/10.1016/j.ces.2018.06.073

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

Particle Image Velocimetry Experiments and Direct Numerical Simulations of Solids

Suspension in Transitional Stirred Tank Flow

Genghong Li^{a,b,c}, Zhipeng Li^{a,b,*}, Zhengming Gao^{a,b,*}, Jiawei Wang^{a,b}, Yuyun Bao^{a,b}, J. J. Derksen^c

a Beijing Advanced Innovation Center for Soft Matter Science and Engineering, Beijing University of Chemical Technology,

Beijing 100029, China

b State Key Laboratory of Chemical Resource Engineering, School of Chemical Engineering, Beijing University of Chemical

Technology, Beijing 100029, China

c School of Engineering, University of Aberdeen, Aberdeen AB24 3UE, UK

Corresponding author

E-mail address: lizp@mail.buct.edu.cn (Zhipeng Li), gaozm@mail.buct.edu.cn (Zhengming Gao);

Tel: +8610 64418267;

Fax: +8610 64449862;

Mailbox 230, School of Chemical Engineering,

Beijing University of Chemical Technology, Beijing, 100029, China.

Download English Version:

https://daneshyari.com/en/article/6588277

Download Persian Version:

https://daneshyari.com/article/6588277

Daneshyari.com