

Author's Accepted Manuscript

The origin of pressure oscillations in slugging fluidized Beds: Comparison of experimental results from magnetic resonance imaging with a discrete element model

C.M. Boyce, J.F. Davidson, D.J. Holland, S.A. Scott, J.S. Dennis



www.elsevier.com/locate/ces

PII: S0009-2509(14)00267-X
DOI: <http://dx.doi.org/10.1016/j.ces.2014.05.041>
Reference: CES11668

To appear in: *Chemical Engineering Science*

Received date: 4 February 2014

Revised date: 19 May 2014

Accepted date: 24 May 2014

Cite this article as: C.M. Boyce, J.F. Davidson, D.J. Holland, S.A. Scott, J.S. Dennis, The origin of pressure oscillations in slugging fluidized Beds: Comparison of experimental results from magnetic resonance imaging with a discrete element model, *Chemical Engineering Science*, <http://dx.doi.org/10.1016/j.ces.2014.05.041>

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 galley proof before it is published in its final citable 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.

Revised 12 May, 2014

The Origin of Pressure Oscillations in Slugging Fluidized Beds:
Comparison of Experimental Results from Magnetic Resonance
Imaging with a Discrete Element Model

C. M. Boyce^{a*}, J. F. Davidson^a, D. J. Holland^a, S. A. Scott^b, J. S. Dennis^a

(a) Department of Chemical Engineering and Biotechnology, University of Cambridge, New Museums Site, Pembroke Street, Cambridge CB2 3RA, UK.

(b) Department of Engineering, University of Cambridge, Cambridge CB2 1PZ, UK.

(*) Corresponding author. Email: cmb206@cam.ac.uk. Tel: +44(0)7753297389

Download English Version:

<https://daneshyari.com/en/article/6591106>

Download Persian Version:

<https://daneshyari.com/article/6591106>

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