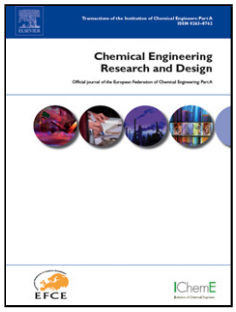


Title: APPLICABILITY OF THE POWER MODEL TO MIXED SLURRIES WITH NON-SPHERICAL PARTICLES AND NETWORKING EFFECT

Authors: Basak Kutukcu, Inci Ayranci

PII: S0263-8762(18)30377-0
DOI: https://doi.org/10.1016/j.cherd.2018.07.030
Reference: CHERD 3284

To appear in:

Received date: 31-1-2018
Revised date: 14-6-2018
Accepted date: 20-7-2018

Please cite this article as: Kutukcu, Basak, Ayranci, Inci, APPLICABILITY OF THE POWER MODEL TO MIXED SLURRIES WITH NON-SPHERICAL PARTICLES AND NETWORKING EFFECT.Chemical Engineering Research and Design https://doi.org/10.1016/j.cherd.2018.07.030

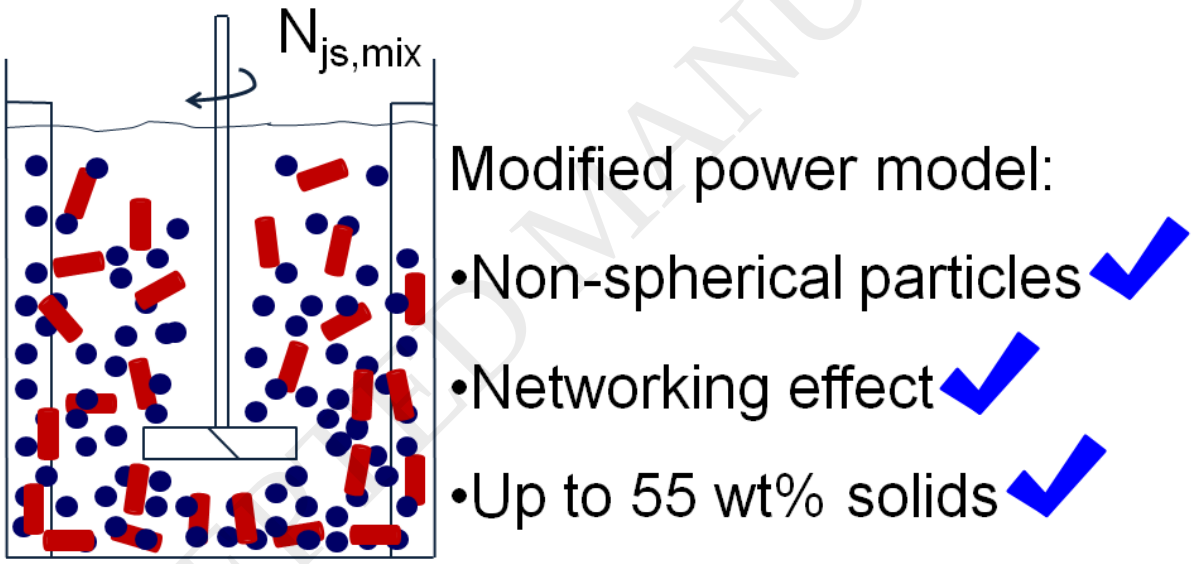
APPLICABILITY OF THE POWER MODEL TO MIXED SLURRIES WITH NON-SPHERICAL PARTICLES AND NETWORKING EFFECT

Basak Kutukcu and Inci Ayranci*

Department of Chemical Engineering, Middle East Technical University, Ankara, Turkey

*corresponding author. Email address: ayranci@metu.edu.tr

Graphical abstract



Highlights

- Presence of non-spherical particles makes suspension easier.
- The limits of applicability of the power model are substantially extended.
- The power model can be applied to mixed slurries with non-spherical particles.
- The power model is modified to account for networking mechanism.