Accepted Manuscript

Rolling and sliding between non-spherical particles

Chuang Zhao, Chengbo Li, Lin Hu

PII:	\$0378-4371(17)30954-8
DOI:	https://doi.org/10.1016/j.physa.2017.09.062
Reference:	PHYSA 18667
To appear in:	Physica A
Received date :	30 December 2016
Revised date :	21 September 2017



Please cite this article as: C. Zhao, C. Li, L. Hu, Rolling and sliding between non-spherical particles, *Physica A* (2017), https://doi.org/10.1016/j.physa.2017.09.062

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

Rolling and sliding are considered in the discrete element simulation. Rolling and sliding velocity expressions of non-spherical particles are derived. Rolling and sliding velocities are consistent with those of spherical particles. Shear curves satisfy both the experiments and the rate independent theory. Download English Version:

https://daneshyari.com/en/article/7376331

Download Persian Version:

https://daneshyari.com/article/7376331

Daneshyari.com