

# An algorithm to generate high dense packing of particles with various shapes

*Konrad Miśkiewicz<sup>1,a</sup>, Robert Banasiak<sup>1</sup>, Maciej Niedostatkiewicz<sup>2</sup>, Krzysztof Grudzień<sup>1</sup>, and Laurent Babout<sup>1</sup>*

<sup>1</sup>Institute of Applied Computer Science, Lodz University of Technology, ul. Stefanowskiego 18/22, 90-924 Łódź, Poland

<sup>2</sup>Faculty of Civil and Environmental Engineering, Gdańsk University of Technology, ul. Narutowicza 11/12, 80-233 Gdańsk, Poland

Original article:

MATEC Web of Conferences 219, 05004 (2018), <https://doi.org/10.1051/matecconf/201821905004>

This work is supported by the National Science Centre, Poland (NCN OPUS10 2015/19/B/ST8/02773).

---

<sup>a</sup> e-mail: [konrad.miskiewicz@p.lodz.pl](mailto:konrad.miskiewicz@p.lodz.pl)