

Accepted Manuscript

Pore-scale investigations of partially water-saturated granular soil

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PII: S0093-6413(18)30127-7
DOI: <https://doi.org/10.1016/j.mechrescom.2018.08.016>
Reference: MRC 3308



To appear in: *Mechanics Research Communications*

Received date: 2 March 2018
Revised date: 17 August 2018
Accepted date: 21 August 2018

Please cite this article as: Yosuke HIGO , Ryunosuke KIDO , Fukushi TAKAMURA , Yo FUKUSHIMA , Pore-scale investigations of partially water-saturated granular soil, *Mechanics Research Communications* (2018), doi: <https://doi.org/10.1016/j.mechrescom.2018.08.016>

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Highlights

- Pore-scale investigations of soil by Voronoi cells and cubic subsets were conducted.
- Distribution width of the degree of saturation was wider than that of the porosity.
- Distribution of the pore volume is non-normal while that of porosity is normal.
- 2D histograms of pore volume and degree of saturation are presented.
- Each investigation has particular characteristics regarding water retention behavior.

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