Accepted Manuscript

Anomalous transport in disordered fracture networks: spatial Markov model for dispersion with variable injection modes

Peter K. Kang, Marco Dentz, Tanguy Le Borgne, Seunghak Lee, Ruben Juanes

 PII:
 S0309-1708(17)30323-8

 DOI:
 10.1016/j.advwatres.2017.03.024

 Reference:
 ADWR 2815

A d v a n c e s in Water Resources

To appear in: *Advances in Water Resources*

| Received date: | 25 May 2016 |
|----------------|---------------|
| Revised date: | 24 March 2017 |
| Accepted date: | 31 March 2017 |

Please cite this article as: Peter K. Kang, Marco Dentz, Tanguy Le Borgne, Seunghak Lee, Ruben Juanes, Anomalous transport in disordered fracture networks: spatial Markov model for dispersion with variable injection modes, *Advances in Water Resources* (2017), doi: 10.1016/j.advwatres.2017.03.024

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

- Injection modes have major impact on anomalous transport in DFNs
- Evolution of the Lagrangian velocity distribution is governed by injection modes
- Spatial velocity Markov model for variable injection modes
- Equivalence between spatial Markov model and Boltzmann equation

1

Download English Version:

https://daneshyari.com/en/article/5763815

Download Persian Version:

https://daneshyari.com/article/5763815

Daneshyari.com