Accepted Manuscript

Self-consistent Fractal Damage of Natural Geo-materials in Finite Strain

A. Karrech, F. Abbassi, H. Basarir, M. Attar

PII: S0167-6636(16)30275-7
DOI: 10.1016/j.mechmat.2016.08.017
Reference: MECMAT 2664

To appear in: *Mechanics of Materials*

Received date: 15 February 2016
Revised date: 18 August 2016
Accepted date: 29 August 2016

Please cite this article as: A. Karrech, F. Abbassi, H. Basarir, M. Attar, Self-consistent Fractal Damage of Natural Geo-materials in Finite Strain, *Mechanics of Materials* (2016), doi: 10.1016/j.mechmat.2016.08.017

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.

ACCEPTED MANUSCRIPT

Highlights

- Homogenisation of naturel materials based on logarithmic finite strain;
- Self-similar distribution of defects and its impact on continuum damage;
- Variational formulation with geometrical and material non-linearities;
- Finite element implementation using High Performance Computing.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5018493

Download Persian Version:

https://daneshyari.com/article/5018493

Daneshyari.com