

Accepted Manuscript

Development of a frozen soil dielectric constant model and determination of dielectric constant variation during the soil freezing process

Ying Guo, Shuang Xu, Wei Shan



PII: S0165-232X(17)30369-5
DOI: doi:[10.1016/j.coldregions.2018.03.006](https://doi.org/10.1016/j.coldregions.2018.03.006)
Reference: COLTEC 2546
To appear in: *Cold Regions Science and Technology*
Received date: 5 August 2017
Revised date: 27 December 2017
Accepted date: 7 March 2018

Please cite this article as: Ying Guo, Shuang Xu, Wei Shan , Development of a frozen soil dielectric constant model and determination of dielectric constant variation during the soil freezing process. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Coltec(2018), doi:[10.1016/j.coldregions.2018.03.006](https://doi.org/10.1016/j.coldregions.2018.03.006)

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.

Development of a Frozen Soil Dielectric Constant Model and Determination of Dielectric Constant Variation during the Soil Freezing Process

Ying Guo, Shuang Xu, Wei Shan*

Institute of Cold Regions Science and Engineering, Northeast Forestry University, Harbin 150040, China.

*Corresponding author. Tel.: +86 451 82191477; Fax: +86 451 82191590.

E-mail address: shanwei456@163.com (W. Shan)

Abbreviations

FDR frequency domain reflectometry

GPR ground penetrating radar

TDR time domain reflectometry

Download English Version:

<https://daneshyari.com/en/article/8906452>

Download Persian Version:

<https://daneshyari.com/article/8906452>

[Daneshyari.com](https://daneshyari.com)