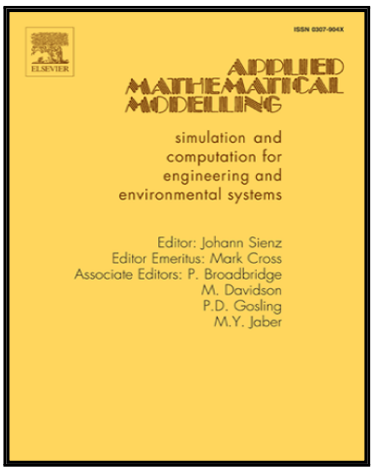
Accepted Manuscript



The ultra weak variational formulation for the modified mild-slope equation

Amaury C. Alvarez, Galina C. García, Marcus Sarkis

PII: S0307-904X(17)30456-0
DOI: 10.1016/j.apm.2017.07.018
Reference: APM 11868

To appear in: *Applied Mathematical Modelling*

Received date: 11 February 2016
Revised date: 2 March 2017
Accepted date: 17 July 2017

Please cite this article as: Amaury C. Alvarez, Galina C. García, Marcus Sarkis, The ultra weak variational formulation for the modified mild-slope equation, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.07.018

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

- The Ultra Weak Variational Formulation (UWVF) has been used successfully on the modified mild slope equation.
- The UWVF was improved by using the main direction with the ray tracing method.
- The UWVF solves some of the difficulties that arise when Finite Element Method is applied.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5470722

Download Persian Version:

https://daneshyari.com/article/5470722

Daneshyari.com