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Coupled THM Model and Simulation of the Yucca Mountain and F	
Journal	Advanced Materials Research (Volumes 33 - 3
Volume	Advances in Fracture and Materials Behavior
Edited by	Wei Yang, Mamtimin Geni, Tiejun Wang and Z
Pages	639-644
DOI	10.4028/www.scientific.net/AMR.33-37.639
Citation	Xiao Yan Liu et al., 2008, Advanced Materials
Online since	March, 2008
Authors	Xiao Yan Liu, Cheng Yuan Zhang, Quan Shen
Keywords	DECOVALEX, THM Coupled Simulation
Abstract	Task_D of the DECOVALEX_THMC project fo to 10,000 years) in two generic repositories, FI better understand the coupled THM processes set of generic coupled THM governing equatio according to given Task_D model inception ph are introduced into general simulation which m this practical models is developed and used in verified in the 3rd and 4th workshop of DECO\ different participant teams which enhances cor
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Advanced Materials Research Vols, 33-37 (2008) pp 639-6 Online available since 2008/Mar/07 at www.scientific.net © (2008) Trans Tech Publications, Switzerland doi: 10.4028/www.scientific.net/AMR.33-37.639

Coupled THM Model and Simula FEBEX Case Study within DI

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Keywords: DECOVALEX; THM coupled simulat

Abstract. Task_D of the DECOVALEX_THMC1 coupled processes(up to 10,000 years) in two gend Project type for comparison. To better understand the system behavior, we have introduced a set of 1 on these equations, we develop simplified models request. Boiling model and empirical bentor simulation which makes model more practical. C models is developed and used in two BMT case s verified in the 3rd and 4th workshop of DECOV2 with results of different participant teams which c processes.

Introduction

This paper presents coupled thermal-hydrologi results for DECOVALEX-THMC, Task_D, con Mechanics, the Chinese Academy of Sciences (involve analysis of coupled THM processes in tw

③ Task_D THM1: A generic repository locate tunnels are backfilled with buffer material (FEBE

② Task_D THM2: A generic repository locat in open gas-filled tunnels (Yucca Mountain type).

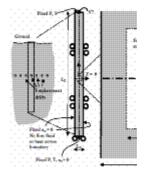


Fig. 1 Schematic general model geometry, bounda

The geometry chosen for the two repository s Fig. 1). To better understand the coupling THM prowe introduced a rigorous treatment of the the unsaturated porous media[4]. Each of the three independent continuum with four constituents

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