

Table of Contents

Volume 13 Number 1

March 2023

Modeling of Coupled Heat and Mass Transfer in a Trapezoidal Porous Bed on a Grid

K. N'Wuitcha, G. K. Apedanou, Y. Lare, K. Napo 1

Rheology of a Viscous-Plastic Liquid in a Porous Medium

G. I. Kelbaliev, M. R. Manafov, F. R. Shikhieva 16

Shared Memory Semi-Implicit Solver for Hydrodynamical Instability Processes

A. Kielbowicz, D. Fernández, A. Saal, C. El Hasi, C. Vigh 32

Two-Dimensional Continuous Model in Bimolecular Reactive Transport

D. A. Cuch, D. Rubio, C. D. El Hasi 47

Linear and Nonlinear Stokes Waves Theory: Numerical Hydrodynamic and Energy Studies

A. M. Ndiaye, F. Diop, S. Dia, C. Mbow 61