

Some analytical methods of solutions to nonlinear diffusion equation

Tuesday, 5 September 2017 17:10 (20 minutes)

From a reach family of nonlinear diffusion equations the Burgers' and Porous Medium equations have been chosen to demonstrate the possibility of getting their analytical solutions of some practically important IBVs problems. A comparison between numerical and analytical solutions have also been provided.

Primary author: GRZYWNA, Zbigniew (Silesian University of Technology, Faculty of Chemistry)

Co-author: BORYS, Przemyslaw (Silesian University of Technology, Faculty of Chemistry)

Presenter: GRZYWNA, Zbigniew (Silesian University of Technology, Faculty of Chemistry)

Session Classification: Session 7