

Some analytical methods of solutions to nonlinear diffusion equation

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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)

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