

Nonclassical Potential Symmetries and New Explicit Solutions of the Burgers Equation

Maochang Qin, Fengxiang Mei, and Xuejun Xu

Department of Applied Mechanics, Beijing Institute Technology, Beijing, 100081,
People's Republic of China

Reprint requests to Dr. M. Q.; E-mail: mcqin_7110037@sina.com.cn

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Several new nonclassical potential symmetry generators to the Burgers equation are derived. Some explicit solutions, which cannot be derived from the Lie symmetry group of Burgers or its adjoined equation, are obtained by using these nonclassical potential symmetry generators.

Key words: Nonclassical Potential Symmetry; Explicit Solution; Burgers Equation.