

1077-35-1713      **Zhaosheng Feng\*** ([zsfeng@utpa.edu](mailto:zsfeng@utpa.edu)), Department of Mathematics, 1201 W. University Drive,  
University of Texas-Pan American, Edinburg, TX 78539. *Lie symmetries to the parabolic system.*

In this talk, we are concerned with a class of parabolic system including the Burgers-Huxley equation and the generalized Fisher equation by means of the Lie symmetry method. Through analyzing the associated determining system nontrivial infinitesimal generators, properties of proper solutions are established under the certain parametric conditions. (Received September 20, 2011)