



**COMPARISON OF SPECTRAL AND DIFFERENTIAL  
QUADRATURE METHODS FOR SOLVING  
THE BURGER-HUXLEY EQUATION**

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**Abstract**

In this paper, the Burger-Huxley equation is solved by two methods: Spectral method and Differential Quadrature Method (DQM). Some test problems are examined. The results show that spectral method is more accurate than DQM.

**Keywords and phrases:** Burger-Huxley equation, differential quadrature, Runge-Kutta method, spectral method.