



Volume 7, Issue 4, Article 122

## Some New Discrete Nonlinear Delay Inequalities and Application to Discrete Delay Equations

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**Keywords:** Gronwall-Bellman-Ou-lang-type Inequalities,  
Discrete inequalities, Difference equations.  
**Date Received:** 07/09/05  
**Date Accepted:** 27/01/06  
**Subject Codes:** 26D10, 26D15, 39A10, 39A70.  
**Editors:** [Sever S. Dragomir](#),

**Abstract:** In this paper, some new discrete Gronwall-Bellman-Ou-lang-type inequalities are established. These on the one hand generalize some existing results and on the other hand provide a handy tool for the study of qualitative as well as quantitative properties of solutions of difference equations.



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