

**Sufficient condition for the boundedness  
solutions of the nonlinear difference systems.**

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We consider three- and four- dimensional nonlinear difference system with deviating argument, where the first equation of the both system is of a neutral type. We present the classification of nonoscillatory solutions of the considered systems. In the second part of the presentation we give sufficient condition for the boundedness solutions of the both systems.

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- [2 ] J. Diblik , B. Lupinska , M. Ruzickova, J. Zonenberg, *Boundedness and unboundedness of non-oscillatory solutions of a four-dimensional nonlinear neutral difference system, Adv. Difference Equ. (2015)* (to appear)
- [3 ] M. Migda, J. Migda, *Asymptotic properties of solutions of second-order neutral difference equations, Nonlinear Anal.*, 63 789–799 (2005).
- [4 ] R. Jankowski, E. Schmeidel, J. Zonenberg, *Oscillatory properties of solutions of the fourth order difference equations with quasidifferences, Opuscula Math* 34(4), 789-797 (2014).