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Bounded solution of a discrete Volterra equation.

In this article we study the existence of a continuous and bounded solution of a nonlinear discrete Volterra equation. The technique and the tools employed in the analysis, Schaefer's fixed point theorem and Liapunov's direct method, are based on the applications of discrete cases analogous to ordinary differential equations. Our work unifies the study of the continuous and the corresponding discrete versions. (Received August 08, 2013)