GRONWALL’S INEQUALITY FOR PSEUDO-INTEGRAL

BAYAZ DARABY\textsuperscript{1}, HASSAN GHAZANFARY ASLL\textsuperscript{2}, ILDAR SADEQI\textsuperscript{3}

Abstract. The purpose of this paper is to generalize Gronwall’s inequality for pseudo-integral. For the real semiring \((a, b; \oplus, \odot)\), we consider pseudo-operations generated by a continuous and monotone function. We prove the theorems for increasing and decreasing generators. Some examples are given in order to illustrate the obtained theorems.

References


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1 Department of Mathematics, University of Maragheh, Maragheh, Iran.

2 Ph.D. student of Department of Mathematics, Sahand University of Technology, Tabriz, Iran.

3 Department of Mathematics, Sahand University of Technology, Tabriz, Iran.

E-mail address: \textsuperscript{1} bdaraby@maragheh.ac.ir, \textsuperscript{2} h.ghazanfary@sut.ac.ir, \textsuperscript{3} esadeqi@sut.ac.ir

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