

Original Articles

Linear Volterra Integral Equations

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摘要 The Kurzweil-Henstock integral formalism is applied to establish the existence of solutions to the linear integral equations of Volterra-type $x(t) = \int_a^t \alpha(s)x(s)ds + f(t)$, $t \in [a, b]$, where the functions are Banach-space valued. Special theorems on existence of solutions concerning the Lebesgue integral setting are obtained. These sharpen earlier results.

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Key words [linear volterra integral equations](#)

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