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ON KURZWEIL-STIELTJES INTEGRAL IN A BANACH SPACE

Abstract

This presentation is based on results contained in a joint work [1] with professor Milan Tvrdý.

The Kurzweil-Stieltjes integral for functions taking values in Banach spaces, also known as abstract Perron-Stieltjes integral, was introduced by Štefan Schwabik in [3]. Later, in [4], Schwabik has investigated some integration by parts theorem for such integral. Our aim is to extend results obtained by Štefan Schwabik in [3] and [4] in such a way that it will be well applicable to prove results on the continuous dependence of solutions to generalized linear differential equations in a Banach space in our forthcoming paper [2].

References

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