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# Corrigendum to Application of Pettis integration to delay second order differential inclusions

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**Abstract**

This paper serves as a corrigendum to the paper titled Application of Pettis integration to delay second order differential inclusions appearing in EJQTDE no. 88, 2012. We present here a corrected version of Theorem 3.1, because Proposition 2.2 is not true.

## 1 Correction

In the above article, Proposition 2.2 is not true since the normed space $\mathbf{P}^1_E([0,1])$ is not complete. Consequently, to correct Theorem 3.1 we have to assume that $\Gamma_1$ is Pettis uniformly integrable and that $\Gamma_2$ is integrably bounded. Then in the proof we can use Proposition 2.2 with $\mathbf{L}^1_E([0,1])$ instead of $\mathbf{P}^1_E([0,1])$ to conclude the result. This version of Proposition 2.2 can be found in:

A. Fryszkowski, Continuous selections for a class of nonconvex multivalued maps, Studia Math., 76, (1983), pp. 163-174.

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