# ERRATA

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# ERRATUM: CHANGE OF VARIABLE THEOREMS FOR THE KH INTEGRAL

### Abstract

This note corrects a very misleading typographical error in the paper "Change of variable theorems for the KH integral", Real Analysis Exchange 35(1), pp. 167–194.

Unfortunately, a small typographical error has seeped inside the abstract at line 2 of the printed version ($\varphi$ should have been $\psi$), making it completely misleading. The right abstract says the following:

Let $f \colon [a,b] \subseteq \bar{\mathbb{R}} \to \mathcal{E}$ and $\varphi \colon [a,b] \to \mathcal{F}$, where $(\mathcal{E}, \mathcal{F}, \mathcal{G})$ is a Banach space triple. a) We prove that if $\psi$ is continuous $[c,d] \to [a,b]$ and $f \circ \psi \cdot d\varphi \circ \psi$ is Kurzweil or Henstock variationally integrable, then so is $f \cdot d\varphi$ and fulfills the well known change of variable formula. It follows that if $\psi$ is an indefinite Henstock integral and if $f \circ \psi\, \psi' dx$ is K-H integrable, then so is $f dx$ and the change of variable formula applies. b) We produce several versions of the converse of a), that is, we give necessary and sufficient conditions in order that with $\psi$ as above, the integrability of $f \cdot d\varphi$ implies that of $f \circ \psi \cdot d\varphi \circ \psi$ and the change of variable formula.