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Florin Catrina* (catrinaf@stjohns.edu), 8000 Utopia Pkwy, Queens, NY 11439, and **Mikhail Ostrovskii**. *Nowhere differentiable Lipschitz maps of $[0, 1]$ into $L_1[0, 1]$.*

We construct examples of Lipschitz maps F from $[0, 1] \subset \mathbb{R}$ into $L_1[0, 1]$ which are nowhere differentiable. The novelty of these constructions lies in the fact that for any $t \in [0, 1]$, the image $F(t) \in L_1[0, 1]$ is arbitrarily smooth. (Received January 16, 2019)