

ZMATH 2014b.00685

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Example of a monotonic, everywhere differentiable function on \mathbb{R} whose derivative is not continuous.

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Summary: We construct an example of a monotonic function which is differentiable every-where, but the derivative is not continuous. This is done using a nonnegative discontinuous integrable function for which every point is a Lebesgue point.

Classification: I25 I45 I55

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