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On Differentiability with Respect to Parameters of the Lebesgue Integral

Authors: [Vasile Lupulescu](#),
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Abstract: The aim of this paper is to extend the results of [7] and [8] to a Lebesgue integral whose integrand and limits of integration depend on parameters.

[7] E.J. McSHANE, *Integration*, Princeton Univ.Press, 1947.

[8] I. MIRICA, *Generalization Derivatives with the Applications in Optimal Control and Optimization*, PhD Thesis, Univ. Iasi, 1997.



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