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## NEGLIGIBLE VARIATION AND THE CHANGE OF VARIABLES THEOREM

We prove a necessary and sufficient condition for the change of variables formula for the HK integral, with implications for the change of variables formula for the Lebesgue integral. As a corollary, we obtain a necessary and sufficient condition for the Fundamental Theorem of Calculus to hold for the HK integral.

The paper on which this talk was based will be published in a forthcoming issue of the *Indiana University Mathematical Journal*.

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