



# On the regularity of the composition of diffeomorphisms

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For  $M$  being a closed manifold or the Euclidean space we present a detailed proof of regularity properties of the composition of  $H^s$ -regular diffeomorphisms of  $M$  for  $s > 1/2 \dim M + 1$ .

Subjects: **Analysis of PDEs (math.AP)**

MSC classes: 58D17, 35Q31, 76N10

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