

Year: 2013

Vol.: 83

Fasc.: 3

**Title:** The Sobolev inequality on the torus revisited

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We revisit the Sobolev inequality for periodic functions on the  $d$ -dimensional torus. We provide an elementary Fourier analytic proof of this inequality which highlights both the similarities and differences between the periodic setting and the classical  $d$ -dimensional Euclidean one.

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