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Diffeomorphic approximation of Sobolev homeomorphisms.

Every homeomorphism $h: \mathbb{X} \rightarrow \mathbb{Y}$ between planar open sets that belongs to the Sobolev class $W^{1,p}(\mathbb{X}, \mathbb{Y})$, $1 < p < \infty$, can be approximated in the Sobolev norm by diffeomorphisms. (Received January 06, 2011)