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Javier Aramayona and **Juan Souto*** (jsouto@umich.edu), Mathematics Department,
University of Michigan, Ann Arbor, MI 48109. *Homomorphisms between mapping class groups.*

By analogy with Margulis's superrigidity, it is expected that every homomorphism $Map(X) \rightarrow Map(Y)$ between mapping class groups of surfaces X and Y of sufficiently large genus $g(X)$ and $g(Y)$ belongs to some to-be-determined list of obvious homomorphisms. We prove that this is indeed the case if $g(X) \geq 6$ and $g(Y) \leq 2g(X) - 1$. (Received August 22, 2010)