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Daryl Cooper and **Jason Manning***, j399m@buffalo.edu. *Counterexamples to a simple loop conjecture for $PSL(2, C)$.*

Minsky asked: Does every non-faithful homomorphism from a closed orientable surface group to $PSL(2, C)$ kill some simple loop? We show that the answer is no by producing examples of non-faithful homomorphisms sending every simple loop either to a non-trivial parabolic or to a loxodromic with non-real trace. (Received January 14, 2011)