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**Pavel Etingof, Andre Henriques, Joel Kamnitzer\*** (jkamnitz@aimath.org) and **Eric Rains**. *The topology of the moduli space of marked genus 0 real curves.*

We give a presentation of the cohomology ring of the moduli space of marked genus 0 real curves. We also give the Betti numbers of this space. We will also describe the fundamental group of this space, as previously computed by Davis-Januszkiewicz-Scott. Finally we will explain the relationship between the Lie algebra of this fundamental group and the cohomology ring. (Received February 01, 2006)