

1111-17-39

Christoph Schweigert* (christoph.schweigert@uni-hamburg.de), Bereich AZ, Fachbereich Mathematik, Bundesstrasse 55, 20146 Hamburg, Germany, and **Jurgen Fuchs**, Universitetsgatan 21, 65188 Karlstad, Sweden. *Invariants for mapping class group actions from ribbon Hopf algebra automorphisms.*

We show how to produce, from a given finite-dimensional factorizable ribbon Hopf algebra, for a Riemann surface of arbitrary genus and any number of punctures, invariants under the corresponding mapping class group. The ribbon Hopf algebra is not supposed to be semisimple. (Received January 09, 2015)