IMPLEMENTING THEOREM PROVING IN GEOGEBRA BY USING A SINGULAR WEBSERVICE

FRANCISCO BOTANA, ZOLTÁN KOVÁCS, AND SIMON WEITZHOFER

ABSTRACT. We describe ongoing work on the implementation of a webservice allowing the remote use of Singular, a computer algebra system for polynomial computations. Our goal consists of enhancing GeoGebra, a dynamic geometry environment, with new algebraic abilities mainly related to automatic discovery and checking.

University of Vigo
E-mail address: fbotana @ uvigo.es

Johannes Kepler University of Linz
E-mail address: zoltan @ geogebra.org

Johannes Kepler University of Linz
E-mail address: simon @ geogebra.org

---

Partially supported by grants MTM2008-M04699-C03-03 and MTM2011-25836-C02-02.