

Botana, Francisco (ed.); Recio, Tomas (ed.)

Automated deduction in geometry. 6th international workshop, ADG 2006, Pontevedra, Spain, August 31–September 2, 2006. Revised papers. (English) [\[Zbl 1132.68006\]](#)

[Lecture Notes in Computer Science](#) 4869. Lecture Notes in Artificial Intelligence. Berlin: Springer (ISBN 978-3-540-77355-9/pbk). x, 213 p. (2007).

The articles of this volume will be reviewed individually. The preceding workshop has been reviewed (see [Zbl 1099.68005](#)).

Indexed articles:

Chen, Xiaoyu; Wang, Dongming, Towards an electronic geometry textbook, 1-23 [[Zbl 1195.68091](#)]

Hales, Thomas C., Equidecomposable quadratic regions, 24-38 [[Zbl 1195.68104](#)]

Janičić, Predrag; Quaresma, Pedro, Automatic verification of regular constructions in dynamic geometry systems, 39-51 [[Zbl 1195.68092](#)]

Lebmeir, Peter; Richter-Gebert, Jürgen, Recognition of computationally constructed loci, 52-67 [[Zbl 1195.68105](#)]

Lewis, Robert H.; Coutsias, Evangelos A., Algorithmic search for flexibility using resultants of polynomial systems, 68-79 [[Zbl 1195.68115](#)]

Lichtblau, Daniel, Cylinders through five points: Complex and real enumerative geometry, 80-97 [[Zbl 1195.68106](#)]

Michelucci, Dominique; Foufou, Sebti, Detecting all dependences in systems of geometric constraints using the witness method, 98-112 [[Zbl 1195.68107](#)]

Montes, Antonio; Recio, Tomás, Automatic discovery of geometry theorems using minimal canonical comprehensive Gröbner systems, 113-138 [[Zbl 1195.68093](#)]

Narboux, Julien, Mechanical theorem proving in Tarski's geometry, 139-156 [[Zbl 1195.03019](#)]

Pech, Pavel, On the need of radical ideals in automatic proving: A theorem about regular polygons, 157-170 [[Zbl 1195.68094](#)]

Roanes-Macías, Eugenio; Roanes-Lozano, Eugenio, A Maple package for automatic theorem proving and discovery in 3D-geometry, 171-188 [[Zbl 1195.68095](#)]

Todd, Philip, Geometry expressions: A constraint based interactive symbolic geometry system, 189-202 [[Zbl 1195.68116](#)]

Yang, Lu; Zeng, Zhenbing, Constructing a tetrahedron with prescribed heights and widths, 203-211 [[Zbl 1195.51024](#)]

MSC:

[68-06](#) Proceedings, conferences, collections, etc. pertaining to computer science

[68T15](#) Theorem proving (deduction, resolution, etc.) (MSC2010)

[00B25](#) Proceedings of conferences of miscellaneous specific interest

Cited in **1** Review

Software:

[Maple](#)

Full Text: [DOI](#)