

Call for Papers: Classical Techniques for Applied Geometry

A Special Issue of Computer Aided Geometric Design
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Submission Deadline: November 1st, 2007

Background. Techniques from classical geometry have been a rich source of inspiration for basic research in Computer Aided Geometric Design. The wealth of knowledge, which is available in classical, differential, algebraic and descriptive geometry, provides many useful results for geometric applications, ranging from Geometric Modeling up to Medicine.

Scope. This special issue is devoted to new results originating from the interaction of computational methods, such as spline and approximation techniques, with classical results in applied geometry. In particular, it will contain relevant papers which were presented at the

Conference on Geometry: Theory and Applications (Vorau, Austria, 2007).

Additional submissions are also welcome.

Topics. Main topics include, but are not limited to:

- Applications of real algebraic geometry and symbolic computation
- Concepts of classical differential geometry in geometric modeling
- Spline theory and its applications
- Kinematical Geometry and Robotics

Submission. Please use the electronic submission system at

<http://ees.elsevier.com/cagd>

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