

Table of Contents

Approximate Parametrisation of Confidence Sets	1
<i>Zbyněk Šír</i>	
Challenges in Surface-Surface Intersections	11
<i>Vibeke Skytt</i>	
Computing the Topology of Three-Dimensional Algebraic Curves	27
<i>G. Gatellier, A. Labrouzy, B. Mourrain, J.P. Técourt</i>	
Distance Properties of ϵ -Points on Algebraic Curves	45
<i>Sonia Pérez-Díaz, Juana Sendra, J.Rafael Sendra</i>	
Distance Separation Measures Between Parametric Curves and Surfaces Toward Intersection and Collision Detection Applications	63
<i>Gershon Elber</i>	
Elementary Theory of Del Pezzo Surfaces	77
<i>Josef Schicho</i>	
The Geometry of the Tangent Developable	95
<i>Pål Hermunn Johansen</i>	
Numerical and Algebraic Properties of Bernstein Basis Resultant Matrices	107
<i>Joab R. Winkler</i>	
Polynomial C^2 Spline Surfaces Guided by Rational Multisided Patches	119
<i>Kęstutis Karčiauskas, Jörg Peters</i>	
A Recursive Taylor Method for Algebraic Curves and Surfaces	135
<i>Huahao Shou, Ralph Martin, Guojin Wang, Adrian Bowyer, Irina Voiculescu</i>	
Self-Intersection Problems and Approximate Implicitization	155
<i>Jan B. Thomassen</i>	
Singularities of Some Projective Rational Surfaces	171
<i>Ragni Piene</i>	
On the Shape Effect of a Control Point: Experimenting with <i>NURBS</i> Surfaces . .	183
<i>Panagiotis Kaklis, Spyridon Dellas</i>	
Third Order Invariants of Surfaces	193
<i>Jens Gravesen</i>	
Universal Rational Parametrizations and Spline Curves on Toric Surfaces	213
<i>Rimvydas Krasauskas, Margarita Kazakevičiūtė</i>	
Panel Discussion	233