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Soggetti	Computer graphics Computer science—Mathematics Discrete mathematics Computer vision Geometry Mathematics—Data processing Computer Graphics Discrete Mathematics in Computer Science Computer Vision Symbolic and Algebraic Manipulation Computational Science and Engineering
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Regularity Criteria for the Topology of Algebraic Curves and Surfaces -- Quadrangle Surface Tiling Through Contouring -- Surfaces with Piecewise Linear Support Functions over Spherical Triangulations -- A Developable Surface of Uniformly Negative Internal Angle Deficit -- Rational Maximal Parametrisations of Dupin Cyclides -- Discrete Harmonic Functions from Local Coordinates -- Computing the Topology of an Arrangement of Quartics -- Non-uniform B-Spline Subdivision Using Refine and Smooth -- Scattered Data Fitting on Surfaces Using Projected Powell-Sabin Splines -- Implicit Boundary Control of Vector Field Based Shape Deformations -- Tuning Subdivision Algorithms Using Constrained Energy Optimization --

Description of Surfaces in Parallel Coordinates by Linked Planar Regions -- Discrete Surface Ricci Flow: Theory and Applications -- Guided C<sup>2</sup> Spline Surfaces with V-Shaped Tessellation -- MOS Surfaces: Medial Surface Transforms with Rational Domain Boundaries -- Mean Value Bézier Surfaces -- Curvature Estimation over Smooth Polygonal Meshes Using the Half Tube Formula -- Segmenting Periodic Reliefs on Triangle Meshes -- Estimation of End Curvatures from Planar Point Data -- Inversion, Degree and Reparametrization for Rational Surfaces -- Discrete Surfaces in Isotropic Geometry -- An Appropriate Geometric Invariant for the C<sup>2</sup>-Analysis of Subdivision Surfaces -- Curvature-Based Surface Regeneration -- Bounded Curvature Subdivision Without Eigenanalysis -- Facial Shape-from-Shading Using Principal Geodesic Analysis and Robust Statistics -- Statistical Methods for Surface Integration -- Skeleton Surface Generation from Volumetric Models of Thin Plate Structures for Industrial Applications -- Parallel Tangency in -- Condition Numbers and Least Squares Regression -- Propagation of Geometric Tolerance Zones in 3D.

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