

Erich Hartmann

Publications

- [1] Eine Axiomatik halbovoidaler Laguerre-Geometrien mit beliebigem Radikal.
Abh. math. Seminar Univers. Hamburg 43 (1975), 111-141.
- [2] Moulton-Laguerre-Ebenen.
Arch. d. Math. 27 (1976), 424-435.
- [3] Möbiusebenen über pythagoreischen Körpern.
Geom. Ded. 7 (1978), 303-310.
- [4] Eine Klasse nicht einbettbarer reeller Laguerre-Ebenen.
Journ. o. Geom. 13 (1979), 51-67.
- [5] Über zwei Klassen von Tits-Fastkörpern.
Mitteil. d. math. Gesellsch. i. Hambg. 10 (1980), 757-762.
- [6] Beispiele nicht einbettbarer reeller Minkowski-Ebenen.
Geom. Ded. 10 (1981), 155-159.
- [7] Zykel- und Erzeugendenspiegelungen in Minkowski-Ebenen.
Geom. Ded. 11 (1981), 489-503.
- [8] Über Moufang-Ovale.
Aeq. Math. 23 (1981), 188-196.
- [9] Minkowski-Ebenen mit Transitivitätseigenschaften.
Res. d. Mathem. 5 (1982), 136-148.
- [10] Transitivitätssätze für Laguerre-Ebenen.
Journ. o. Geom. 18 (1982), 9-27.
- [11] Ovoide und Möbius-Ebenen über konvexen Funktionen.
Geom. Ded. 15 (1984), 377-388.
- [12] Computerunterstützte Darstellende Geometrie.
Teubner-Verlag (1988).
- [13] G^{n-1} Functional Splines for Interpolation and Approximation of Curves and Surfaces.
(t. w. J. Hoschek, J. Li)
CAGD 7 (1990), 209-220.
- [14] G^{n-1} Functional Splines for Interpolation and Approximation of Surfaces and Solids.
(t. w. J. Hoschek, Y.Y. Feng, J. Li)
in ISNM 94 (1990), Birkhäuser-V. Basel.

- [15] Blending of Implicit Surfaces with Functional Splines.
CAD 22 (1990), 500-506.
- [16] G^2 -Smoothing of Corners with Functional Splines. (t. w. J. Li)
(Preprint THD)
- [17] G^{n-1} -Functional Splines for Modeling (t. w. J. Hoschek)
in Geometric Modeling, Springer 1991, Eds.: Hagen, Roller.
- [18] Functional Splines for Interpolation, Approximation and Blending of Curves, Surfaces
and Solids (t. w. J. Hoschek)
in "Topics in Surface Modeling", SIAM 1992, Ed.: H. Hagen.
- [19] On the Convexity of Functional Splines (t. w. Y.Y. Feng)
Comput. Aided Geometr. Des. 10 (1993), 127-142.
- [20] Blending implicit surfaces with parametric surfaces.
Comp. Aided Geom. Des. 12 (1995), 825-835.
- [21] G^2 interpolation and blending on surfaces.
The Visual Comp. 12 (1996), 181-192.
- [22] A marching method for the triangulation of surfaces.
The Visual Comp. 14 (1998), 95-108.
- [23] Numerical implicitization for intersection and G^n -continuous blending of surfaces.
Comp. Aided Geom. Des. 15 (1998), 377-397.
- [24] The normal form of a planar curve and its application to curve design.
in Mathematical Methods for Curves and Surfaces II, M. Daehlen, T. Lyche,
L. Schumaker (eds.) (1998), 237-244.
- [25] On the Curvature of Curves and Surfaces Defined by Normalforms.
Comp. Aided Geom. Des. 16 (1999), 355-376.
- [26] Numerical Parameterization of Curves and Surfaces.
Comp. Aided Geom. Des. 17 (2000), 251-266.
- [27] G^n -blending with Rolling Ball Contact Curves.
Proc. of Geometric Modeling and Processing 2000, IEEE, 385-389.
- [28] Parametric G^n -blending Curves and Surfaces.
The Visual Computer 17 (2001), 1-13.
- [29] Implicit G^n -blending of vertices.
Comp. Aided Geom. Des. 18 (2001), 267-285.
- [30] G^n -continuous connections between normal ringed surfaces.
Comp. Aided Geom. Des. 18 (2001), 751-770.
- [31] The normalform of a space curve and its application to surface design.
The Visual Computer 17 (2001), 445-456.