BOOK CHAPTERS


REFEREED JOURNAL ARTICLES


15. Distance approximations for Rasterizing Implicit Curves, by G. Taubin. ACM Transactions on Graphics,


INVITED CONFERENCE PRESENTATIONS AND PAPERS


4. Plenary Speaker, Instituto de Matemática Pura e Aplicada (IMPA) – 50 Years, Rio de Janeiro, Brazil, June 2002


REFEREED CONFERENCE PAPERS


5. Real-Time Median Filtering for Embedded Smart Cameras, by Y. Zhao and G. Taubin, IEEE International Conference on Computer Vision Systems, St. Johns University, Manhattan, New York City, January 2006


7. Hierarchical G1 Smooth Surface Interpolation With Local Control, by G. Taubin, and W. Klug, Siggraph
31. Curve and Surface Smoothing Without Shrinkage, by G. Taubin, Fifth International Conference on Computer Vision (ICCV'95).
32. Estimating the Tensor of Curvature of a Surface from a Polyhedral Approximation, by G. Taubin, Fifth International Conference on Computer Vision (ICCV'95).

UNREFEREED CONFERENCE PAPERS AND TECHNICAL REPORTS

12. Recognition and Positioning of Piecewise Algebraic Objects, by G. Taubin and D.B. Cooper, Proceedings,


TUTORIALS AND COURSES / LECTURE NOTES


PATENTS / US / PROVISIONAL FILINGS

1. A METHOD TO EXTRAPOLATE HIGH RESOLUTION HIGH FRAME RATE VIDEO FROM TWO SYNCHRONIZED LOW RESOLUTION HIGH FRAME RATE AND HIGH RESOLUTION LOW FRAME RATE VIDEOS, by G. Taubin, provisional filing by Brown University, March 2006.


3. SYSTEM TO MAKE AND RECEIVE TELEPHONE CALLS REMOTELY THROUGH A COMPUTER NETWORK, by G. Taubin, provisional filing by Brown University, April 2004.

PATENTS / US / PUBLISHED APPLICATIONS


2. US2005/0062739 A1, METHOD AND STRUCTURE FOR IMAGE-BASED OBJECT EDITING, published 03/24/2005
4. US2004/0021662 A1, BI-LEVEL ISOSURFACE COMPRESSION, published 02/05/2004

PATENTS / US / ISSUED
1. US6987511, LINEAR ANISOTROPIC MESH FILTERING, published 01/17/2006
4. US06455835, SYSTEM, METHOD, AND PROGRAM PRODUCT FOR ACQUIRING OBJECT SILHOUETTES FOR SHAPE RECOVERY, issued 09/24/2002
5. US06452596, METHOD AND APPARATUS FOR THE EFFICIENT COMPRESSION OF NON-MANIFOLD POLYGONAL MESHES, issued 09/17/2002
6. US06445389, COMPRESSION OF POLYGONAL MODELS WITH LOW LATENCY DECOMPRESSION, issued 09/03/2002
7. US06356262, SYSTEM AND METHOD FOR FAST POLYHEDRAL CELL SORTING, issued 03/12/2002
9. US06184897, COMPRESSED REPRESENTATION OF CHANGING MESHES AND METHOD TO DECOMPRESS, issued 02/06/2001
11. US06016153, METHOD TO CONVERT NON-MANIFOLD POLYHEDRAL SURFACES INTO MANIFOLD SURFACES, issued 01/18/2000
12. US06009435, PROGRESSIVE COMPRESSION OF CLUSTERED MULTI-RESOLUTION POLYGONAL MODELS, issued 12/28/1999
13. US05974168, ACQUIRING BUMP MAPS FROM CURVED OBJECTS, issued 10/26/1999
14. US05905507, COMPRESSION OF GEOMETRIC MODELS USING SPANNING TREES, issued 05/18/1999
15. US05825369, COMPRESSION OF SIMPLE GEOMETRIC MODELS USING SPANNING TREES, issued 10/20/1998
16. US05631976, OBJECT IMAGING SYSTEM, issued 05/20/1997
17. US05506947, CURVE AND SURFACE SMOOTHING WITHOUT SHRINKAGE, issued 04/09/1996
18. US05546475, PRODUCE RECOGNITION SYSTEM, issued 08/13/1996

PATENTS / CANADA
1. CA02144404AA, PRODUCE RECOGNITION SYSTEM, issued 10/30/1995

PATENTS / EUROPE
2. DE69518947T2, PRODUKTERKENNUNGSSYSTEM, (Germany), issued 03/22/2001
3. ES02151000T3, SISTEMA DE RECONOCIMIENTO DE PRODUCTOS, (Spain), issued 12/16/2000
4. DE69518947C0, PRODUKTERKENNUNGSSYSTEM, (Germany), issued 11/02/2000
5. AT00196695E, PRODUKTERKENNUNGSSYSTEM, (Austria), issued 10/15/2000
7. EP00685814A3, PRODUCE RECOGNITION SYSTEM, issued 03/05/1997
9. EP00685814A2, PRODUCE RECOGNITION SYSTEM, issued 12/06/1995
10. EP00680205A2, IMAGING SYSTEM FOR OBJECT SEGMENTATION, issued 11/02/1995

PATENTS / JAPAN
1. JP10079049A2, METHOD AND SYSTEM FOR COMPRESSING AND DECOMPRESSING GEOMETRIC MODEL, AND DATA STRUCTURE, issued 03/24/98
2. JP08096147A2, METHOD FOR SMOOTHING CURVE AND CURVED SURFACE HAVING NO DEGRADATION, issued 04/12/1996
3. JP07302343A2, SYSTEM FOR RECOGNIZING OBJECT AND ITS METHOD, issued 11/14/1995
4. JP07302339A2, OBJECT PICTURE PROCESSING SYSTEM AND ITS METHOD, issued 11/14/1995

PATENTS / KOREA
1. KR00190737B1, PRODUCE RECOGNITION SYSTEM, issued 06/01/1999
2. KR0233972B1, COMPRESSION OF SIMPLE GEOMETRIC MODELS USING SPANNING TREES, issued 12/15/1999

PATENTS / AUSTRALIA
1. AU00685904B2, PRODUCE RECOGNITION SYSTEM, issued 01/29/1998
2. AU01503495A1, PRODUCE RECOGNITION SYSTEM, issued 11/09/1995

PATENTS / CHINA
1. CN01123940A, PRODUCE RECOGNITION SYSTEM, issued 06/05/96

PATENTS / ARGENTINA
1. AR228982, TRANSCUTANEOUS ELECTRONIC NERVE STIMULATOR, issued 1980