

「グラフィックスとCAD」文献データベース:1989

A Bibliography on Computer Graphics and CAD: 1989

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あらまし: 情報処理学会グラフィックスとCAD研究連絡会では1988年から、その活動の一環として、グラフィックスとCAD関連文献のデータベース化にとりくんでいる。本報告は1989年に国内外で発行された、約50種の学会誌、論文誌、国際会議論文集、研究会資料、雑誌等から、グラフィックスとCADに関する文献約900件を収録したものである。12の分野に分類して、キーワードをつけて掲げてある。

ABSTRACT: This report presents a bibliography of over 900 references related to computer graphics and computer aided design, collected from transactions, conference proceedings, technical reports, and magazines of these fields. The bibliography is grouped into twelve topics and presented with keywords for each reference.

解説

本文献データベースは、1989年1月から12月までの間に発行された国内外の学会誌、論文誌、会議資料、研究会資料、雑誌等から、グラフィックスとCADに関係する技術論文や解説記事を、次のような12の分類項目のもとに収録したものである。

分類項目

1. survey / standard / history
(サーベイ / 標準化 / 歴史)
2. user interface / interaction / CAI
(ユーザインタフェース / 会話システム / CAI)
3. algorithm/computational geometry
(アルゴリズム / 計算幾何)
4. geometric modeling (モデリング)
5. interpolation / curved surface
(補間 / 曲面)
6. realistic imaging / rendering / synthesis
(リアルな表示 / レンダリング / 画像生成)
7. art / animation / fractal
(芸術 / アニメーション / フラクタル)
8. application (応用)
9. image processing (画像処理)
10. hardware (ハードウェア)
11. 3-D / 3-D display / 3-D visualization
(3次元、3D表示、3D可視化)
12. general (一般)

各分類項目毎に、まず欧文文献をアルファベット順に、つづいて邦文文献をアイウエオ順に配置した。各文献の末尾には適宜、象徴的なキーワードをつけた。

本文献データベースは、文献の選定、項目分類およびデータ投入を本研究会の連絡員で分担して行い、邦文文献のデータ投入と一覧の出力には富士通研の協力を得た。キーワードは文献を選定した者が、内容をよく表すものを2-3個適当につけた。このため、キーワードの一貫性には欠ける。文献の出典は後述の国内外雑誌等、約50種に及ぶ。本文献データベースは、UNIXの文献フォーマットでファイル化されており、現在電子ファイルとして無償配布するための準備をしている。

本文献データベースには次の特徴がある:

- グラフィックスの専門家が文献の選定と分類を行った
- 国内の文献(413件)と国外の文献(498件)を同時に収録した
- 12の項目に分類し、ブラウジングを容易にした
- 電子ファイル化して電子検索を可能にし、さらにキーワードをつけ検索の補助手段を提供した

各研究機関、大学、企業等において、文献調査、動向調査、事業計画等の日常業務に利用されれば幸いである。なお、文献の選定に際して、見落としがあったかもしれない。これは報告者らの責任であり、容赦願いたい。

最後に、協力して頂いた富士通研のCGグループと研究会連絡員各位に謝意を表する。

出典一覧

Communication of ACM
 Computer Aided Design(CAD)
 Computer Aided Geometric Design
 Computer Design

Computer Graphics(SIGGRAPH)	日立評論
Computer Graphics International(CGI)	PIXEL
Computer Graphics World	
International J. of Computer Vision(IJCV)	
Computer Vision, Graphics and Image Proc.(CVGIP)	
Computers & Graphics	
Eurographics	
Graphics Interface(GI)	
IBM J. R&D	
IBM Systems J.	
IEEE Computer	
IEEE Computer Graphics and Applications(CG&A)	
IEEE tr. Computers	
IEEE tr. Patt. Analysis and Machine Intell.(PAMI)	
IEEE Spectrum	
Trans. IEICE(信学論英文誌)	
ISO, ANSI report	
International J. of Man-machine Systems	
J. of Infomation Processing(情報英文誌)	
J. of Molecular Graphics	
International Conf. of Pattern Recognition(ICPR)	
SIGCHI	
The Visual Computer	
画像工学コンファレンス	
画像電子学会誌	
グラフィクスと CAD シンポジウム論文集	
情報処理	
情報処理学会論文誌	
情報処理学会、グラフィクスと CAD 研究会 (CG)	
情報処理学会、コンピュータビジョン研究会 (CV)	
情報処理学会、文書処理とヒューマンインタフェース研究会 (HI)	
図画区研究 (日本図学会誌)	
精密工学会誌	
設計製図	
テレビジョン学会誌	
テレビジョン学会技術報告	
テレビジョン学会画像処理画像応用研究会	
電子情報通信学会誌	
電子情報通信学会論文誌、D-II	
電子情報通信学会、画像工学研究会 (IE)	
電子情報通信学会、パターン認識・理解研究会 (PRU)	
電子情報通信学会、電子ディスプレイ研究会 (EID)	
東芝レビュー (同 英文誌)	
NICOGRAPH	
日経エレクトロニクス	
日経 CG	
日本機械学会誌	
日本機械学会論文誌	

1. Survey / Standard / History

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- (3) Ann(Newman)Anderson, "Corporate Animation," *COMPUTER GRAPHICS WORLD* (Pennwell), 1989, vol.12, no.4, pp.53-59 { animation,presentation }
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- (5) Cliff Barney, "Upping the Ante," *COMPUTER GRAPHICS WORLD* (Pennwell), 1989, vol.12, no.2, pp.79-84 { graphic chip }
- (6) R Barrett, "Computer aids for electronic equipment design - 21 years on," *Computer-Aided Design*, 1989, vol.21, no.5, pp.338-341 { electronic design automation,circuit design,layout,analysis }
- (7) Jurgen Bettels, Peter R.Bono, Eileen McGinnis, Joachim Rix, "Guidelines For Determining When To use GKS And When To use Phigs," *Comput & Graphics*, 1989, vol.13, no.1, pp.91-98 { GKS and PHIGS }
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Graphic Market, American Graphics }

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