Computer Graphics – Journal Finder Assignment

Gargi Gajjar **01745061**

1. ACM Transactions on Graphics

i. Title: Gigapixel Panorama Video Loops

Authors: Mingming He
Hong Kong University of Science and Technology, Hong Kong, China

Jing Liao
Hong Kong University of Science and Technology and Microsoft Research, Beijing, China

Pedro V. Sander
Hong Kong University of Science and Technology, Hong Kong, China

Hugues Hoppe
Microsoft Research, Beijing, China

Page Numbers: 15

BibTeX:

```
@article{He:2017:GPV:3151031.3144455,
 author = {He, Mingming and Liao, Jing and Sander, Pedro V. and Hoppe, Hugues},
 title = {Gigapixel Panorama Video Loops},
 journal = {ACM Trans. Graph.},
 issue_date = {January 2018},
 volume = {37},
 number = {1},
 month = nov,
 year = {2017},
 issn = {0730-0301},
 pages = {3:1--3:15},
 articleno = {3},
 numpages = {15},
 url = {http://doi.acm.org/10.1145/3144455},
 doi = {10.1145/3144455},
 acmid = {3144455},
 publisher = {ACM},
 address = {New York, NY, USA},
 keywords = {Video textures, cinemagraphs, video stitching},
 }
```

ii. **Title:** Boundary First Flattening

Authors: Rohan Sawhney
Carnegie Mellon University

Keenan Crane
Carnegie Mellon University

Page Numbers: 14

BibTeX: @article{Sawhney:2017:BFF:3151031.3132705,
author = {Sawhney, Rohan and Crane, Keenan},
title = {Boundary First Flattening},
journal = {ACM Trans. Graph.},
issue_date = {January 2018},
volume = {37},

number = {1},
month = dec,
year = {2017},
issn = {0730-0301},
pages = {5:1--5:14},
articleno = {5},
numpages = {14},
url = {http://doi.acm.org/10.1145/3132705},
doi = {10.1145/3132705},
acmid = {3132705},
publisher = {ACM},
address = {New York, NY, USA},
keywords = {Discrete differential geometry, conformal geometry, digital geometry processing, surface parameterization},
}

2. IEEE *Transactions on Visualization and Computer Graphics* (TVCG)

i. **Title:** StreamMap: Smooth Dynamic Visualization of High-Density Streaming Points

Authors: Chenhui Li
Department Computing, GAMA Lab, Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong

George Baciu
Department Computing, GAMA Lab, Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong

Yu Han
College of Mathematics and Computational Science, Shenzhen University, Shenzhen Shi, China

Page Numbers: 13

BibTeX:
```
@ARTICLE{7852440,
author={C. Li and G. Baciu and Y. Han},
journal={IEEE Transactions on Visualization and Computer Graphics},
title={StreamMap: Smooth Dynamic Visualization of High-Density Streaming Points},
year={2018},
volume={24},
number={3},
pages={1381-1393},
keywords={Data visualization;Estimation;Heuristic algorithms;Interpolation;Kernel;Market research;Visualization;Information visualization;density map;scatterplots;streaming data;time-varying;trend visualization},
doi={10.1109/TVCG.2017.2668409},
ISSN={1077-2626},
month={March},}
```

ii. **Title:** Evaluating Interactive Graphical Encodings for Data Visualization

Authors: Bahador Saket
Georgia Tech, Atlanta, GA

Arjun Srinivasan
Georgia Tech, Atlanta, GA

Page Numbers: 15

BibTeX:
```
@ARTICLE{7875127,
author={B. Saket and A. Srinivasan and E. D. Ragan and A. Endert},
journal={IEEE Transactions on Visualization and Computer Graphics},
title={Evaluating Interactive Graphical Encodings for Data Visualization},
year={2018},
volume={24},
number={3},
pages={1316-1330},
keywords={Bars;Computational modeling;Data visualization;Encoding;Estimation;Visualization;Information
```

visualization;graphical encodings;graphical perception;user interaction},
doi={10.1109/TVCG.2017.2680452},
ISSN={1077-2626},
month={March},}

3. IEEE Computer Graphics and Applications (CG&A)

i. **Title:** Visual Communication and Cognition in Everyday Decision-Making

Authors: Claudine Jaenichen
Chapman University

Page Numbers: 9

BibTeX: @ARTICLE{8103316,
author={C. Jaenichen},
journal={IEEE Computer Graphics and Applications},
title={Visual Communication and Cognition in Everyday Decision-Making},
year={2017},
volume={37},
number={6},
pages={10-18},
keywords={cognition;decision making;social sciences;cognition;cuneiform;decision making;printing materials;printing revolution;printing technology;visual communication;Cognition;Decision making;Risk assessment;Visual communication;Visualization;computer graphics;computer graphics applications;graphic design;health risk communication;information design;visual communication},
doi={10.1109/MCG.2017.4031060},
ISSN={0272-1716},
month={November},}

ii. **Title:** Biometric recognition: our hands, eyes, and faces give us away

Author: D. Sims

Page Numbers: 2

BibTeX: @ARTICLE{310718,
author={D. Sims},
journal={IEEE Computer Graphics and Applications},
title={Biometric recognition: our hands, eyes, and faces give us away},
year={1994},

volume={14},
number={5},
pages={14-15},
keywords={authorisation;biometrics (access control);face recognition;automated fingerprint identification;biometric recognition;data signatures;eye recognition;face recognition;hand recognition;Airports;Biometrics;Costs;Eyes;Face recognition;Fingerprint recognition;Geometry;Image databases;Manufacturing;Spatial databases},
doi={10.1109/38.310718},
ISSN={0272-1716},
month={Sept},}

4. ACM SIGGRAPH Computer Graphic

i. **Title:** Material-minimizing forms and structures

Authors: Martin Kilian
Vienna University of Technology

Davide Pellis
Vienna University of Technology

Johannes Wallner
Graz University of Technology

Helmut Pottmann
Vienna University of Technology

Page Numbers: 12

BibTeX: @article{Kilian:2017:MFS:3130800.3130827,
author = {Kilian, Martin and Pellis, Davide and Wallner, Johannes and Pottmann, Helmut},
title = {Material-minimizing Forms and Structures},
journal = {ACM Trans. Graph.},
issue_date = {November 2017},
volume = {36},
number = {6},
month = nov,
year = {2017},
issn = {0730-0301},
pages = {173:1--173:12},
articleno = {173},
numpages = {12},

url = {http://doi.acm.org/10.1145/3130800.3130827},
doi = {10.1145/3130800.3130827},
acmid = {3130827},
publisher = {ACM},
address = {New York, NY, USA},
keywords = {architectural geometry, computational design, material economy, minimum weight, stress potential, total absolute curvature, truss-like continuum},
}

ii. **Title:** Sketch-based modeling

Authors: Frederic Cordier
Karan Singh
Yotam Gingold
Marie-Paule Cani

Page Numbers: 222

BibTeX:
@inproceedings{Cordier:2016:SM:2988458.2988504,
author = {Cordier, Frederic and Singh, Karan and Gingold, Yotam and Cani, Marie-Paule},
title = {Sketch-based Modeling},
booktitle = {SIGGRAPH ASIA 2016 Courses},
series = {SA '16},
year = {2016},
isbn = {978-1-4503-4538-5},
location = {Macau},
pages = {18:1--18:222},
articleno = {18},
numpages = {222},
url = {http://doi.acm.org/10.1145/2988458.2988504},
doi = {10.1145/2988458.2988504},
acmid = {2988504},
publisher = {ACM},
address = {New York, NY, USA},
}

5. Computers and Graphics (C&G)

i. **Title:** Parametric modeling of 3D human body shape—A survey

Authors: Zhi-Quan Cheng

Yin Chen
Ralph R Martin
Ton Wu
Zhan Song

Page Numbers: 13

BibTeX:
```
@article{CHENG201888,
title = "Parametric modeling of 3D human body shape—A survey",
journal = "Computers & Graphics",
volume = "71",
pages = "88 - 100",
year = "2018",
issn = "0097-8493",
doi = "https://doi.org/10.1016/j.cag.2017.11.008",
url =
"http://www.sciencedirect.com/science/article/pii/S0097849317301929",
author = "Zhi-Quan Cheng and Yin Chen and Ralph R. Martin and Tong
u and Zhan Song",
keywords = "3D human body, Survey, Parametric human shape model,
Avatar capture, Applications of human shape models"
}
```

ii. **Title:** Gesture modeling for architectural design
Author: Naai-Jung Shih
Wei-Der Shih

Page Numbers: 14

BibTeX:
```
@article{SHIH1996849,
title = "Gesture modeling for architectural design",
journal = "Computers & Graphics",
volume = "20",
number = "6",
pages = "849 - 862",
year = "1996",
note = "Medical Visualization",
issn = "0097-8493",
doi = "https://doi.org/10.1016/S0097-8493(96)00056-8",
url =
"http://www.sciencedirect.com/science/article/pii/S0097849396000568",
author = "Naai-Jung Shih and Wei-Der Shih"
}
```

Computer Graphics – Journal Finder Assignment

Gargi Gajjar **01745061**

6. Computer Graphics Forum

i. **Title:** Data-Driven Shape Interpolation and Morphing Editing

Authors: Lin Gao
Shu-Yu Chen
Yu-Kun Lai
Shihong Xia

Page Numbers: 11

BibTeX:
```
@article {CGF:CGF12991,
author = {Gao, Lin and Chen, Shu-Yu and Lai, Yu-Kun and Xia, Shihong},
title = {Data-Driven Shape Interpolation and Morphing Editing},
journal = {Computer Graphics Forum},
volume = {36},
number = {8},
issn = {1467-8659},
url = {http://dx.doi.org/10.1111/cgf.12991},
doi = {10.1111/cgf.12991},
pages = {19--31},
keywords = {data-driven, shape interpolation, shape space, morphing editing, I.3.5 [Computer Graphics]: Computational Geometry and Object Modelling—object representations},
year = {2017},
}
```

ii. **Title:** Experiments in the Parallel Computation of 3D Convex Hulls

Authors: A R Claret
A M Day

Page Numbers: 16

BibTeX:
```
@article {CGF:CGF21,
author = {Claret, A.R. and Day, A.M.},
title = {Experiments in the Parallel Computation of 3D Convex Hulls},
journal = {Computer Graphics Forum},
volume = {13},
number = {1},
```

publisher = {Blackwell Science Ltd},
issn = {1467-8659},
url = {http://dx.doi.org/10.1111/1467-8659.1310021},
doi = {10.1111/1467-8659.1310021},
pages = {21--36},
keywords = {computational geometry, parallelism, convex hull},
year = {1994},
}

7. Visual Computer

i. **Title:** Constant Time Texture Filtering

Author: Hanli Zhao

Lei Jiang

Xiaogang Jin

Hui Du

Xuije Li

Page Numbers: 10

BibTeX: @Article{Zhao2018,
author="Zhao, Hanli
and Jiang, Lei
and Jin, Xiaogang
and Du, Hui
and Li, Xujie",
title="Constant time texture filtering",
journal="The Visual Computer",
year="2018",
month="Jan",

day="01",
volume="34",
number="1",
pages="83--92",
issn="1432-2315",
doi="10.1007/s00371-016-1315-z",
url=https://doi.org/10.1007/s00371-016-1315-z
}

ii. **Title:** The Superman problem

Authors: Naji Mouawad
Thomas Shermer

Page Numbers: 15

BibTeX: @Article{Mouawad1994,
author="Mouawad, Naji
and Shermer, Thomas",
title="The Superman problem",
journal="The Visual Computer",
year="1994",
month="Aug",
day="01",
volume="10",
number="8",
pages="459--473",
issn="1432-2315",
doi="10.1007/BF01910636",
url=https://doi.org/10.1007/BF01910636
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