

# List of publications

Frank Nielsen

Last updated February 21, 2007

Most papers are available for download. If it is not the case due to copyright issues, please send me an [email](#) to get a copy/preprint. Report a bug or broken link [here](#) please. I intend to further upload slides/videos in the near future. At this moment, only the journal section is properly linked!

## Refereed Journals

- [1] Nielsen F (2007) ‘The Digital Chameleon Principle: Computing Invisibility by Rendering Transparency.’ *IEEE Computer Graphics and Applications*, **27**(1):90–96. ISSN 0272-1716. [10.1109/MCG.2007.21](#). [PDF](#), [\[Web page\]](#)
- [2] Nielsen F, Boissonnat JD, Nock R (2007) ‘On Bregman Voronoi Diagrams and Their Applications.’ In final preparation!, [\[Web page\]](#)
- [3] Nock R, Nielsen F (2007) ‘A  $\mathbb{R}$  Real generalization of discrete AdaBoost.’ *Artificial Intelligence (Elsevier)*, **171**(1):25–41. [doi:10.1016/j.artint.2006.10.014](#). [\[Web page\]](#)
- [4] Nock R, Nielsen F (2006) ‘On Weighting Clustering.’ *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **28**(8):1223–1235. [10.1109/TPAMI.2006.168](#). (Extend SDM’04 and ICPR’04), [\[Web page\]](#)
- [5] Nielsen F (2005) ‘Surround Video: A Multihead Camera Approach.’ *The Visual Computer (Springer)*, **21**(1-2):92–103. [10.1007/s00371-004-0273-z](#). (Extend IEEE ITCC’02), [\[Web page\]](#)
- [6] Nielsen F, Nock R (2005) ‘A Fast Deterministic Smallest Enclosing Disk Approximation Algorithm.’ *Information Processing Letters (Elsevier)*, **93**(6):263–268. ISSN 0020-0190. [10.1016/j.ip1.2004.12.006](#). [\[Web page\]](#)
- [7] Nock R, Nielsen F (2005) ‘Semi-supervised Statistical Region Refinement for color Image Segmentation.’ *Pattern Recognition*, **38**(6):835–846. [10.1016/j.patcog.2004.11.009](#). (Extend CVPR’04) [\[Java applet\]](#), [\[Web page\]](#)
- [8] Nock R, Nielsen F (2004) ‘On domain-partitioning induction criteria: worst-case bounds for the worst-case based.’ *Theoretical Computer Science (Elsevier)*, **321**(2-3):371–382. ISSN 0304-3975. [10.1016/j.tcs.2004.05.004](#). [\[Web page\]](#)
- [9] Nock R, Nielsen F (2004) ‘Statistical Region Merging.’ *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **26**(11):1452–1458. [10.1109/TPAMI.2004.110](#). (Extend CVPR’03), [\[Java applet\]](#) [\[Web page\]](#)
- [10] Owada S, Nielsen F, Okabe M, Igarashi T (2004) ‘Volumetric Illustration: Designing 3D models with Internal Textures.’ *ACM Transactions on Graphics*, **23**(3):322–328. ISSN 0730-0301. [10.1145/1015706.1015723](#). (SIGGRAPH’04) [\[Video\]](#), [\[Web page\]](#)

- [11] Katz MJ, Nielsen F, Segal M (2003) ‘Maintenance of a Piercing Set for Intervals with Applications.’ *Algorithmica (Springer)*, **36**(1):59–73. ISSN 0178-4617. [10.1007/s00453-002-1006-1](https://doi.org/10.1007/s00453-002-1006-1). (Extend ISAAC’00) [[Web page](#)]
- [12] Owada S, Shinagawa Y, Nielsen F (2003) ‘Enumeration of Contour Correspondence.’ *International Journal of Image and Graphics (WorldSci)*, **3**(4):609 – 627. ISSN 0219-4678. [10.1142/S0219467803001214](https://doi.org/10.1142/S0219467803001214). [[Web page](#)]
- [13] Yotsukura T, Nielsen F, Binsted K, Morishima S, Pinhanez CS (2002) ‘Hypermask: Talking Head Projected onto Real Object.’ *The Visual Computer (Springer)*, **18**(2):111–120. ISSN 0178-2789. [10.1007/s003710100140](https://doi.org/10.1007/s003710100140). (Presented at SIGGRAPH’99, NICOGRAPH 2000 Award) [[Web page](#)]
- [14] Calégari P, Guidec F, Kuonen P, Nielsen F (2001) ‘Combinatorial Optimization Algorithms for Radio Network Planning.’ *Theoretical Computer Science (Elsevier)*, **263**(1/2):235–265. ISSN 0304-3975. [10.1016/S0304-3975\(00\)00245-0](https://doi.org/10.1016/S0304-3975(00)00245-0). [[Web page](#)]
- [15] Mauroy ND, Nielsen F (2001) ‘On the Precision of Textures.’ *Transactions on Information and Systems (IEICE)*, **E84-D**(12):1684–1689. (Extend MVA’98) [[Web page](#)]
- [16] Nielsen F (2001) ‘On Point Covers of  $c$ -Oriented Polygons.’ *Theoretical Computer Science (Elsevier)*, **265**(1/2):17–29. ISSN 0304-3975. [10.1016/S0304-3975\(00\)00227-9](https://doi.org/10.1016/S0304-3975(00)00227-9). [[Web page](#)]
- [17] Efrat A, Katz MJ, Nielsen F, Sharir M (2000) ‘Dynamic Data Structures for Fat Objects and Their Applications.’ *Computational Geometry Theory and Applications (Elsevier)*, **15**(4):215–227. ISSN 0925-7721. [10.1016/S0925-7721\(99\)00059-0](https://doi.org/10.1016/S0925-7721(99)00059-0). (Extend WADS’97) [[Web page](#)]
- [18] Nielsen F (2000) ‘Adaptive Randomized Algorithms for Mosaicing Systems.’ *Transactions on Information and Systems (IEICE)*, **E83-D**(7):1386–1394. (SRF 1999 Award) [[Web page](#)], <http://www.ieice.org/eng/index.html>
- [19] Nielsen F (2000) ‘Fast Stabbing of Boxes in High Dimensions.’ *Theoretical Computer Science (Elsevier)*, **246**(1/2):53–75. ISSN 0304-3975. [10.1016/S0304-3975\(98\)00336-3](https://doi.org/10.1016/S0304-3975(98)00336-3). [[Web page](#)] [[Java applet](#)]
- [20] Nielsen F, Yvinec M (1998) ‘An Output-sensitive Convex Hull Algorithm for Planar Objects.’ *International Journal of Computational Geometry and Applications (WorldSci)*, **8**(1):39–66. ISSN 0218-1959. [10.1142/S0218195998000047](https://doi.org/10.1142/S0218195998000047). [[Web page](#)]
- [21] Nielsen F (1996) ‘Output-sensitive Peeling of Convex and Maximal Layers.’ *Information Processing Letters (Elsevier)*, **59**(5):255–259. ISSN 0020-0190. [10.1016/0020-0190\(96\)00116-0](https://doi.org/10.1016/0020-0190(96)00116-0). [[Web page](#)]

## Books

- [22] Nielsen F (2005) *Visual Computing: Geometry, Graphics, and Vision* (<http://www.charlesriver.com> (ISBN 1584504277)). (xiv+560 pages, 8-page color insert, 50+ C++ source codes — Available on [Amazon.com with reviews](#), [Computing reviews](#)), [[Book web page](#)], Preface by Prof. L. Guibas

## Book Chapters

- [23] Nielsen F (2007) ‘Interactive Image Segmentation Based On GPU Cellular Automata.’ *ShaderX<sup>5</sup>: Advanced Rendering Techniques*, 511–518 (Charles River Media (<http://www.charlesriver.com/>)). [[Video/Web](#)]
- [24] Nielsen F (2007) ‘Panorama Viewer for Generic Camera Models.’ *ShaderX<sup>5</sup>: Advanced Rendering Techniques*, 543–552 (Charles River Media (<http://www.charlesriver.com/>)). [[Video/Web](#)]

## Refereed Conferences

- [25] Henry C, Nock R, Nielsen F (2007) ‘Real Boosting à la Carte with an Application to Boosting Oblique Decision Tree.’ *International Joint Conference on Artificial Intelligence*. [Web page]
- [26] Nielsen F, Boissonnat JD, Nock R (2007) ‘On Bregman Voronoi Diagrams.’ *ACM-SIAM Symposium on Discrete Algorithms*, 746–755. [Web page]
- [27] Nielsen F, Nock R (2006) ‘On Approximating the Smallest Enclosing Bregman Balls.’ *ACM Symposium on Computational Geometry (SoCG)*, 485 – 486 (ACM Press). [Applet] [Web page]
- [28] Nielsen F, Nock R (2006) ‘On the Smallest Enclosing Information Disk.’ *18th Canadian Conference on Computational Geometry (CCCG)*. ([Applet] [Web page]), <http://www.cs.queensu.ca/cccg/>
- [29] Nielsen F, Owada S, Hasegawa Y (2006) ‘AutoFraming: A Recommendation System for Detecting Undesirable Elements And Cropping Automatically Photos.’ *IEEE International Conference on Multimedia & Expo (ICME)*, 417–420 (IEEE SP Press). 10.1109/ICME.2006.262525. [Web page]
- [30] Nielsen F, Yamashita N (2006) ‘ClairVoyance: A Fast and Robust Precision Mosaicing System for Gigapixel Images.’ *The 32nd Annual Conference of the IEEE Industrial Electronics Society*
- [31] Nock R, Nielsen F (2006) ‘A Real Generalization of Discrete AdaBoost.’ *17th European Conference on Artificial Intelligence (ECAI)*. [Web page] (Best paper award) See Artificial Intelligence Journal’07
- [32] Nock R, Vaillant P, Nielsen F, Henry C (2006) ‘Soft Uncoupling of Markov chains for Permeable Language Distinction: A New Algorithm.’ *17th European Conference on Artificial Intelligence (ECAI)*
- [33] Agron P, Bachmair L, Nielsen F (2005) ‘A Visual Interactive Framework for Formal Derivation.’ *International Conference on Computational Science (ICCS)*, 1019–1026. 10.1007/11428831\_127
- [34] Nielsen F, Nock R (2005) ‘ClickRemoval: Interactive Pinpoint Image Object Removal.’ *ACM MultiMedia (MM)*, 315 – 318. 10.1145/1101149.1101214. [Applet] [Web page]
- [35] Nielsen F, Nock R (2005) ‘Fast Graph Segmentation Based on Statistical Aggregation Phenomena.’ *Proceedings of the 10th IAPR Conference on Machine Vision Applications*, (Ed.) Ikeuchi K (IAPR MVA Conference Committee, Tokyo, Japan). [Web page] [Video]
- [36] Nielsen F, Nock R (2005) ‘Interactive Pinpoint Image Object Removal.’ *2005 IEEE CS Conference on Computer Vision and Pattern Recognition (CVPR)*, 1191 (IEEE CS Press). 10.1109/CVPR.2005.6. Video Program
- [37] Nielsen F, Nock R (2005) ‘Interactive Point-and-Click Segmentation for Object Removal in Digital Images.’ *IEEE International Workshop on Human-Computer Interaction (HCI)*, 131 – 140. 10.1007/11573425\_13. [Applet] [Web page]
- [38] Nock R, Nielsen F (2005) ‘Fitting the Smallest Enclosing Bregman Ball.’ *Proceedings of the 16th European Conference on Machine Learning (ECML)*, vol 3720, 649 – 656 (Springer-Verlag Lecture Notes in Computer Science). 10.1007/11564096\_65. [Applet] [Web page]
- [39] Owada S, Nielsen F, Igarashi T (2005) ‘Cut.’ *2005 Computer Animation and Social Agents (CASA)*. Poster session
- [40] Owada S, Nielsen F, Igarashi T (2005) ‘Volume Catcher.’ *Proceedings of the 2005 Symposium on Interactive 3D Graphics and Games (SI3D)*, 111–116 (ACM Press, New York, NY, USA). ISBN 1-59593-013-2. 10.1145/1053427.1053445. [Web page] [Video]

- [41] Nielsen F, Nock R (2004) ‘Approximating Smallest Enclosing Balls.’ *2004 International Conference on Computational Science and Its Applications (ICCSA)*, vol 3045, 147 – 157 (Springer-Verlag Heidelberg). [10.1007/b98053](#)
- [42] Nielsen F, Nock R (2004) ‘Approximating Smallest Enclosing Disks.’ *cccg2004*, 124–127. <http://www.cs.concordia.ca/cccg/papers/16.pdf>
- [43] Nielsen F, Nock R (2004) ‘Small(est) Enclosing Balls in Unbounded Dimension.’ *Japan Conference On Discrete and Computational Geometry (JCDCG)*
- [44] Nock R, Nielsen F (2004) ‘An Abstract Weighting Framework for Clustering Algorithms.’ *2004 SIAM International Conference on Data Mining (SDM)*, (Eds.) Berry MW, Dayal U, Kamath C, Skillicorn D (SIAM Press). ISBN 0-89871-568-7. (See TPAMI’06)
- [45] Nock R, Nielsen F (2004) ‘Grouping with Bias Revisited.’ *2004 IEEE CS Conference on Computer Vision and Pattern Recognition (CVPR)*, vol 2, 460–465 (IEEE CS Press). [10.1109/CVPR.2004.120](#). (See PR’05)
- [46] Nock R, Nielsen F (2004) ‘Improving Clustering Algorithms through Constrained Convex Optimization.’ *17th International Conference on Pattern Recognition (ICPR)*, vol 4, 557–560 (IEEE CS Press). [ICPR.2004.1333833](#). (See TPAMI’06)
- [47] Owada S, Nielsen F, Okabe M, Igarashi T (2004) ‘Volumetric Illustration: Designing 3D Models with Internal Textures.’ *31st International Conference on Computer Graphics and Interactive Techniques (SIGGRAPH)*, 322–328 (ACM Press). [10.1145/1015706.1015723](#)
- [48] Nielsen F (2003) ‘Plenoptic Path and Its Applications.’ *2003 IEEE International Conference on Image Processing (ICIP)*, vol 1, 793–796 (IEEE SP Press). ISBN 0-7803-7751-6. [10.1109/ICIP.2003.1247081](#)
- [49] Nielsen F, Nock R (2003) ‘On Region Merging: The Statistical Soundness of Fast Sorting, with Applications.’ *2003 IEEE CS Conference on Computer Vision and Pattern Recognition (CVPR)*, (Eds.) Dyer C, Perona P, Fleet D, Kutulakos K, vol 2, 19–26 (IEEE CS Press). ISBN 0-7695-1900-8. [10.1109/CVPR.2003.1211447](#)
- [50] Owada S, Nielsen F, Nakazawa K, Igarashi T (2003) ‘A Sketching Interface for Modeling the Internal Structures of 3D Shapes.’ *2003 International Symposium on Smart Graphics (SG)*, (Eds.) Butz A, Krüger A, Olivier P, vol 2733, 49–57 (Springer-Verlag Lecture Notes in Computer Science). ISBN 3-540-40557-7
- [51] Nielsen F (2002) ‘High Resolution Full Spherical Videos.’ *2002 IEEE International Symposium on Information Technology (ITCC)*, (Ed.) Latifi S, 260–267 (IEEE CS Press). ISBN 0-7695-1506-1. [10.1109/ITCC.2002.1000397](#)
- [52] Morishima S, Pinhanez CS, Nielsen F, Binsted K, Yotsukura T (2001) ‘Hyper Mask - Projecting Virtual Face on Moving Real Object.’ *EuroGraphics 2001 (EG)*, 305–310
- [53] Binsted K, Morishima S, Nielsen F, Pinhanez CS, Yotsukura T (2000) ‘HyperMask: Talking Head Projected Onto Real Objects.’ *2000 International Conference on MultiMedia Modeling (MMM)*, 403–412 (World Scientific Publishing Company)
- [54] Katz MJ, Nielsen F, Segal M (2000) ‘Maintenance of a Percing Set for Intervals with Applications.’ *Eleventh Annual International Symposium on Algorithms And Computation (ISAAC)*, (Eds.) Lee DT, Teng SH, *Lecture Notes in Computer Science*, vol 1969, 552–563 (Springer-Verlag Heidelberg)
- [55] Nielsen F (2000) ‘Grouping and Querying: A Paradigm to Get Output-Sensitive Algorithms.’ *Japan Conference on Discrete and Computational Geometry 2000 (JCDCG)*, (Eds.) Akiyama J, Kano M, Urabe M, *Lecture Notes in Computer Science*, vol 1763 (Springer-Verlag Heidelberg). ISBN 3-540-67181-1. [10.1007/b75044](#)

- [56] Efrat A, Katz MJ, Nielsen F, Sharir M (1997) ‘Dynamic Data Structures For Fat Objects and Their Applications.’ *5th International Workshop on Algorithms and Data Structures (WADS)*, *Lecture Notes in Computer Science*, vol 1272, 297–306 (Springer-Verlag Heidelberg)
- [57] Katz MJ, Nielsen F (1996) ‘On Piercing Sets of Objects.’ *12th Annual ACM Symposium on Computational Geometry (SoCG)*, 113–121 (ACM Press). ISBN 0-89791-804-5. [10.1145/237218.237253](https://doi.org/10.1145/237218.237253)
- [58] Nielsen F (1996) ‘Fast Stabbing of Boxes in High Dimensions.’ *8th Canadian Conference on Computational Geometry (CCCG)*, (Eds.) Fiala F, Kranakis E, Sack JR, 87–92 (Carleton University Press). ISBN 0-88629-307-3
- [59]
- [60] Owada S, Nielsen F, Igarashi T ‘Copy-paste Synthesis of 3D Geometry with Repetitive Patterns.’ *2006 International Symposium on Smart Graphics (SG)* (Springer-Verlag Lecture Notes in Computer Science)

## Miscellaneous Publications

- [61] Nielsen F (2006) *Contributions au traitement de l’information pour le visuel: Géométrie, Infographie et Vision*. [Habilitation à diriger des recherches](#), Université de Nice-Sophia Antipolis/ ED STIC, France
- [62] Owada S, Nielsen F, Igarashi T (2005) ‘Volume Catcher: A User Interface for Volume Segmentation.’ *Proc. of the Visual Computing: Graphics & CAD Conference*. In Japanese, <http://fuji03.sys.wakayama-u.ac.jp/vc2005/>
- [63] Owada S, Nielsen F, Igarashi T (2004) ‘Cut.’ *Proc. of the Visual Computing: Graphics & CAD Conference*. <http://www.wiss.org/WISS2004/>
- [64] Owada S, Nielsen F, Makoto O, Igarashi T (2004) ‘Modeling 3D volumetric models.’ *Proc. of the Visual Computing: Graphics & CAD Conference*
- [65] Owada S, Nielsen F, Nakazawa K, Igarashi T (2003) ‘Sketch-Based Volume Modeling.’ *SIGNotes Computer Graphics and CAD No.112 - 007*, Information Processing Society of Japan (IPSJ). In japanese, <http://www.ipsj.or.jp/members/SIGNotes/Eng/10/2003/112/article007.html>
- [66] Yotsukura T, Nielsen F, Binsted K, Tetsutani N, Nakatsu R, Morishima S (2002) ‘HyperMask: Reactive Talking Head for Storytelling.’ *Transactions on Information and Systems (IEICE)*, **J85-D-II(1)**. In japanese, <http://www.ieice.org/jpn/books/ronbunshi-mokuji/2002/01/JDII-1.html>
- [67] Morishima S, Yotsukura T, Nielsen F, Binsted K, Pinhanez CS (2001) ‘HyperMask: Face Image Synthesis Driven by Natural Voice and Projected onto Real Objects.’ *International Conference on Artificial Intelligence and Soft Computing (ICAISC)*, 342–347 (IASTED Press)
- [68] Nielsen F, Suzuki K (2001) ‘Towards Spatial Media: Surround Video.’ *11th Sony Research Forum (SRF)* (Sony Press)
- [69] Bespamyatnikh S, Katz MJ, Nielsen F, Segal M (2000) ‘Visibility Queries among Horizontal Segments - A Dynamic Data Structure.’ *Japan Conference on Discrete and Computational Geometry 2000 (JCDCG)*
- [70] Binsted K, Misawa T, Morishima S, Nielsen F (2000) ‘Danger Hamster 2000.’ *27th International Conference on Computer Graphics and Interactive Techniques (SIGGRAPH)*, 81. ISBN 4-901122-00-2. Emerging Technologies, Conference Abstracts and Applications
- [71] Binsted K, Morishima S, Nielsen F, Yotsukura T (2000) ‘HyperMask: Projection onto 3D moving surfaces.’ *NICOGRAPH 2000*. Grand prize award

- [72] Katz MJ, Nielsen F, Segal M (2000) ‘Shooter Location through Piercing Sets.’ *16th European Workshop Computational Geometry (EWCG)*, 55–58
- [73] Mauroy ND, Nielsen F (2000) ‘On the Precision of Textures.’ *Machine Vision Applications (MVA)*, 31–34. ISBN 4-901122-00-2
- [74] Nielsen F (2000) ‘Constrained Pattern Matching of Point Sets.’ *16th European Workshop Computational Geometry (EWCG)*, 191–193
- [75] Binsted K, Morishima S, Nielsen F, Yotsukura T (1999) ‘HyperMask: Projection onto 3D moving surfaces.’ *7th IFIP Conference on Human-Computer Interaction (INTERACT)*, 55–58. Interactive Experiences
- [76] Binsted K, Nielsen F, Morishima S, Yotsukura T (1999) ‘HyperMask: Virtual Reactive Faces for Storytelling.’ *26th International Conference on Computer Graphics and Interactive Techniques (SIGGRAPH)*, 186 (ACM Press). Emerging Technologies, Conference Abstracts and Applications
- [77] Binsted K, Nielsen F, Yotsukura T (1999) ‘HyperMask: Projection onto 3D moving surfaces.’ *9th Sony Research Forum (SRF)*, 33 (Sony Press). Technical Digests
- [78] Binsted K, Nielsen F, Yotsukura T (1999) ‘HyperMask: Projection onto 3D moving surfaces.’ *9th Sony Research Forum (SRF)*, 225–228 (Sony Press). ISSN 1340-3508. Proceedings
- [79] Katz MJ, Nielsen F, Segal M (1999) ‘Maintenance of Piercing Sets with Applications.’ *Japan Conference on Discrete and Computational Geometry (JCDCG)*, 30–31
- [80] Nielsen F (1999) ‘Feature-based Image Mosaicing.’ *9th Sony Research Forum (SRF)*, 272 (Sony Press). Technical Digest
- [81] Nielsen F (1999) ‘Feature-based Image Mosaicing.’ *9th Sony Research Forum (SRF)*, 102–107. ISSN 1340-3508
- [82] Nielsen F, Pinhanez CS, Binsted K (1999) ‘Projecting Computer Graphics on Moving Surfaces: A Simple Calibration and Tracking Method.’ *26th International Conference on Computer Graphics and Interactive Techniques (SIGGRAPH)*, 266 (ACM Press). ISBN 1-58113-103-8. Technical sketch, Conference Abstracts and Applications
- [83] Nielsen F (1998) ‘Adaptive Randomized Algorithms for Mosaicing Systems.’ *Machine Vision Applications (MVA)*, 11–14. ISBN 4-901122-98-3
- [84] Nielsen F (1998) ‘Grouping and Querying: A Paradigm to Get Output-Sensitive Algorithms.’ *Japan Conference on Discrete and Computational Geometry (JCDCG)*, 126–130
- [85] Nielsen F (1998) ‘Heuristics for Intractable Geometric Combinatorial Optimization Problems and Their Applications.’ *8th Sony Research Forum (SRF)*, 183–188. ISSN 1340-3508
- [86] Nielsen F (1998) ‘Heuristics for Intractable Geometric Combinatorial Optimization Problems and Their Applications.’ *8th Sony Research Forum (SRF)*, 152. Technical Digest
- [87] Nielsen F (1998) ‘On Point Covering of  $c$ -Oriented Polygons.’ *10th Canadian Conference on Computational Geometry (CCCG)*, 6–7
- [88] Nielsen F (1998) ‘On the Discriminating Set Problem and Its Relatives.’ *11th Conference on Combinatorics and Computer Science (CCS)*, 34
- [89] Calégari P, Guidec F, Kuonen P, Nielsen F (1997) ‘Combinatorial Optimization Algorithms for Radio Network Planning.’ *10th Franco-Japanese, 5th Franco-Chinese Conference on Combinatorics and Computer Science (CCS)*

- [90] Nielsen F (1997) ‘On Point Covers of  $c$ -Oriented Polytopes.’ *Technical Report LIX/RR/97/01*, École Polytechnique, 91128 Palaiseau Cedex - France. <http://lix.polytechnique.fr>
- [91] Nielsen F (1997) ‘On the Geometric Piercing Problem.’ *10th Franco-Japanese, 5th Franco-Chinese Conference on Combinatorics and Computer Science (CCS)*
- [92] Katz MJ, Nielsen F (1996) ‘On Piercing Sets of Objects.’ *Technical Report RR-2874*, INRIA Sophia-Antipolis, 2004 route des lucioles - BP 93 - FR-06902 Sophia Antipolis. <http://www.inria.fr/rrrt/rr-2874.html>
- [93] Katz MJ, Nielsen F (1996) ‘On Piercing Sets of Objects.’ *Technical Report UU-CS-1996-35*, Utrecht University, Utrecht University, Postbus 80125, 3508 TC Utrecht The Netherlands. <http://www.cs.uu.nl/research/techreps/UU-CS-1996-35.html>
- [94] Nielsen F (1996) *Algorithmes géométriques adaptatifs*. Thèse de doctorat en sciences, Université de Nice-Sophia Antipolis, France. <http://www.inria.fr/rrrt/tu-0418.html>
- [95] Nielsen F (1996) ‘Algorithmes géométriques adaptatifs.’ *PhD TU-0418*, INRIA Sophia-Antipolis, 2004 route des lucioles - BP 93 - FR-06902 Sophia Antipolis. <http://www.inria.fr/rrrt/tu-0418.html>
- [96] Nielsen F (1996) ‘Fast Stabbing of Boxes in High Dimensions.’ *12th European Workshop Computational Geometry (EWCG)*, 101
- [97] Nielsen F (1996) ‘Fast Stabbing of Boxes in High Dimensions.’ *Technical Report RR-2854*, INRIA Sophia-Antipolis, 2004 route des lucioles - BP 93 - FR-06902 Sophia Antipolis. <http://www.inria.fr/rrrt/rr-2854.html>
- [98] Nielsen F, Yvinec M (1995) ‘An Output-Sensitive Convex Hull Algorithm for Planar Objects.’ *Technical Report RR-2854*, INRIA Sophia-Antipolis, 2004 route des lucioles - BP 93 - FR-06902 Sophia Antipolis. <http://www.inria.fr/rrrt/rr-2575.html>
- [99] Nielsen F, Yvinec M (1995) ‘Output-sensitive Convex Hull Algorithms of Planar Convex Objects.’ *5th Israeli Workshop on Combinatorics and Computational Geometry (IWCCG)*
- [100] Nielsen F (1994) *Une visite dans le monde des algorithmes géométriques sensibles à la sortie*. Master’s thesis, École Normale Supérieure (Lyon, France), 46, Allée d’Italie - 69364 LYON Cedex 07 - France. Rapport de DEA et Magistère III
- [101] Nielsen F (1993) *Algorithms on Continued and Multi-continued fractions*. Master’s thesis, École Normale Supérieure (Lyon, France), 46, Allée d’Italie - 69364 LYON Cedex 07 - France. Rapport de Magistère II
- [102] Nielsen F (1992) *Algorithmes géométriques*. Master’s thesis, École Normale Supérieure (Lyon, France), 46, Allée d’Italie - 69364 LYON Cedex 07 - France. Rapport de Magistère I