Test document for software entries

Inria Software Citation Working Group

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This is a test document that showcases the possibilities for rendering the various software-releated bibliographic entries with the standard BibLaTeX style extended with the `software` module.

- software entry CGAL [4] and Scilab [5]
- softwareversion entry CGAL 5.0.2 [12]
- softwareversion Scilab 1.1.1 : from the chain of crossrefs [14], and from the condensed bibtem [15] (they should be identical)
- softwaremodule entry Voronoi: from the chain of crossrefs [9], and the from the condensed bibtem [10] (they should be identical)
- software entry Parmap [3]
- codefragment entry simplemapper: from the chain of crossrefs [7], and from the condensed bibitem [8] (they should be identical)
- software entry from the Astrophysics Source Code Library, using the eprint field [2]
- software entry from the swMATH catalog, using the eprint field [1]
- documentation in a software entry [6]
- software entry [13] and related article [11] from the IPOL journal

References *(default style)*

Software Projects

[1] [Software] T. Gally, G. Gamrath, P. Gemander, A. Gleixner, R. Gottwald, G. Hendel, C. Hojny, S. J. Maher, M. Miltenberger, B. Müller, M. Pfetsch, F. Schlösser, F. Serrano, S. Vigerske, D. Weninger, and J. Witzig, *SCIP*. SWMATH: ⟨swmath:01091⟩.

[2] [Software] A. Pontzen, R. Roškar, G. Stinson, and R. Woods, *pynbody: N-Body/SPH analysis for python* (Coordinated by Astrophysics Source Code Library), May 2013. ASCL: ⟨ascl:1305.002⟩,

[3] [Software] R. Di Cosmo and M. Danelutto, *The Parmap library* 2012. Inria, University of Paris, and University of Pisa. VCS: `https://github.com/rdicosmo/parmap`.

[4] [Software] The CGAL Project, *The Computational Geometry Algorithms Library* (Coordinated by CGAL Editorial Board), 1996. URL: `https://cgal.org/`.

[5] [Software] F. Delebecque, C. Gomez, M. Goursat, R. Nikoukhah, S. Steer, and J.-P. Chancelier, *Scilab* 1994. Inria. HAL: ⟨hal-02090402v1⟩, VCS: `https://github.com/scilab/scilab`.

Software versions, modules, excerpts and manuals

[6] *The offical Scilab documentation*. In the official distribution of [Software Release] F. Delebecque, C. Gomez, M. Goursat, R. Nikoukhah, S. Steer, and J.-P. Chancelier, *Scilab* version 1.1, Jan. 1994. Inria. HAL: ⟨hal-02090402v1⟩, VCS: https://github.com/scilab/scilab, SWHID: ⟨swh:1:dir:1ba0b67b5d0c8f10961d878d91ae9d6e499d746a;origin=https://hal.archives-ouvertes.fr/hal-02090402⟩.

[7] [Software excerpt] R. Di Cosmo and M. Danelutto, "Core mapping routine", from *The Parmap library* version 1.1.1, 2020. Inria, University of Paris, and University of Pisa. VCS: https://github.com/rdicosmo/parmap, SWHID: ⟨swh:1:cnt:43a6b232768017b03da934ba22d9cc3f2726a6c5;origin=https://github.com/rdicosmo/parmap;visit=swh:1:snp:2a6c348c53eb77d458f24c9cbcecaf92e3c45615;anchor=swh:1:rel:373e2604d96de4ab1d505190b654c5c4045db773;path=/src/parmap.ml;lines=192-228⟩.

[8] [Software excerpt] R. Di Cosmo and M. Danelutto, "Core mapping routine", from *The Parmap library* version 1.1.1, 2020. Inria, University of Paris, and University of Pisa. VCS: https://github.com/rdicosmo/parmap, SWHID: ⟨swh:1:cnt:43a6b232768017b03da934ba22d9cc3f2726a6c5;origin=https://github.com/rdicosmo/parmap;visit=swh:1:snp:2a6c348c53eb77d458f24c9cbcecaf92e3c45615;anchor=swh:1:rel:373e2604d96de4ab1d505190b654c5c4045db773;path=/src/parmap.ml;lines=192-228⟩.

[9] [Software Module] M. Karavelas, "2D Voronoi Diagram Adaptor", part of *The Computational Geometry Algorithms Library* version 5.0.2 (Coordinated by CGAL Editorial Board), 2020. SWHID: ⟨swh:1:rel:636541bbf6c77863908eae744610a3d91fa58855;origin=https://github.com/CGAL/cgal/⟩.

[10] [Software Module] M. Karavelas, "2D Voronoi Diagram Adaptor", part of *The Computational Geometry Algorithms Library* version 5.0.2 (Coordinated by CGAL Editorial Board), 2020. SWHID: ⟨swh:1:rel:636541bbf6c77863908eae744610a3d91fa58855;origin=https://github.com/CGAL/cgal/⟩.

[11] J.-L. Lisani. "Local Contrast Enhancement based on Adaptive Logarithmic Mappings". In: *Image Processing On Line* 10 (2020), pages 43–61.

[12] [Software Release] The CGAL Project, *The Computational Geometry Algorithms Library* version 5.0.2 (Coordinated by CGAL Editorial Board), 2020. SWHID: ⟨swh:1:rel:636541bbf6c77863908eae744610a3d91fa58855;origin=https://github.com/CGAL/cgal/⟩.

[13] [Software Release] J.-L. Lisani, *Implementation of the LLCC method for image enhancement* version 2.0, Jan. 1, 2018. SWHID: ⟨swh:1:dir:03d81d9e8d583aa52bfe5a696c875a406571684c;origin=https://doi.org/10.5201/ipol.2020.300;visit=swh:1:snp:e3c3904624230050561a3c5a615b3852fda6a22c;anchor=swh:1:rev:2bda715d58c19bfc04bac7028a5c67780f177cd3⟩. Reference article: "Local Contrast Enhancement based on Adaptive Logarithmic Mappings". In: *Image Processing On Line* 10 (2020), pages 43–61.

[14] [Software Release] F. Delebecque, C. Gomez, M. Goursat, R. Nikoukhah, S. Steer, and J.-P. Chancelier, *Scilab* version 1.1, Jan. 1994. Inria. HAL: ⟨hal-02090402v1⟩, VCS: https://github.com/scilab/scilab, SWHID: ⟨swh:1:dir:1ba0b67b5d0c8f10961d878d91ae9d6e499d746a;origin=https://hal.archives-ouvertes.fr/hal-02090402⟩.

[15] [Software Release] F. Delebecque, C. Gomez, M. Goursat, R. Nikoukhah, S. Steer, and J.-P. Chancelier, *Scilab* version 1.1, Jan. 1994. Inria. HAL: ⟨hal-02090402v1⟩, VCS: https://github.com/scilab/scilab, SWHID: ⟨swh:1:dir:1ba0b67b5d0c8f10961d878d91ae9d6e499d746a;origin=https://hal.archives-ouvertes.fr/hal-02090402⟩.