Bibliography examples – BibTEX and BibLATEX

As Knuth [3] shows, . . .

As Janson et al. [1] show, . . .

As Knuth [3, p. 7, Table 3] shows, . . .

Several improvements to the algorithm have been proposed in the last few years [2, 3], but . . .

References

[1] Svante Janson, Donald E. Knuth, Tomasz Luczak, and Boris Pittel. The birth of the giant component. *Random Struct. Algorithms*, 4(3):233–359, 1993.

[2] Donald E. Knuth. *Selected Papers on Design of Algorithms*, volume 191 of *CSLI lecture notes series*. Cambridge University Press, 2010. (in print).

[3] Donald E. Knuth. Satisfiability and The Art of Computer Programming. In Alessandro Cimatti and Roberto Sebastiani, editors, *Theory and Applications of Satisfiability Testing – SAT 2012 – 15th International Conference, Trento, Italy, June 17–20, 2012. Proceedings*, volume 7317 of *Lecture Notes in Computer Science*, page 15. Springer, 2012.

Bibliography file `library.bib`

```
@inproceedings{satKnuth12,
  author   = {Donald E. Knuth},
  title    = {Satisfiability and The Art of Computer Programming},
  year     = {2012},
  pages    = {15},
  crossref = {sat2012},
}
@proceedings{sat2012,
  editor   = {Alessandro Cimatti and Roberto Sebastiani},
  title    = {Theory and Applications of Satisfiability Testing
             -- {SAT} 2012 -- 15th International Conference,
             Trento, Italy, June 17--20, 2012. Proceedings},
  ...
}
@article{rsaJansonKLP93,
  author   = {Svante Janson and Donald E. Knuth and
             Tomasz Luczak and Boris Pittel},
  title    = {The Birth of the Giant Component},
  journal  = {Random Struct. Algorithms},
  year     = {1993},
  volume   = {4},
  number   = {3},
  pages    = {233--359},
  url      = {http://dx.doi.org/10.1002/rsa.3240040303},
  doi      = {10.1002/rsa.3240040303},
}
```

Main document – BibTeX version

BibTeX is the classic bibliography tool for LaTeX– sometimes uncomfortable and inflexible to use, but very widely supported.

```
\documentclass[a4paper]{article}

\begin{document}
As Knuth~\cite{satKnuth12} shows, \dots
As Janson et al.~\cite{rsaJansonKLP93} show, \dots
As Knuth~\cite[p.~7]{satKnuth12} shows, \dots
As Knuth~\cite[p.~7, Table~3]{satKnuth12} shows, \dots
Several improvements to the algorithm have been proposed
in the last few years~\cite{knuth2010, satKnuth12}, but \dots
To include all bibliography items (usually not used): \nocite{*}

\bibliographystyle{plain}
\bibliography{library}
\end{document}
```

To compile:

```
pdflatex maindocument
bibtex maindocument
pdflatex maindocument
pdflatex maindocument
```

Main document – BibLaTeX version

BibLaTeX is the more modern replacement for BibTeX. It is much easier to configure in detail, and supports Unicode and various languages. The `.bib`-file format is backward compatible, but BibLaTeX supports more fields than BibTeX. BibLaTeX is not yet supported by some publishers.

```
\documentclass[a4paper]{article}
\usepackage[style=numeric]{biblatex}
\addbibresource{library.bib}

\begin{document}
As Janson et al.~\cite{rsaJansonKLP93} show, \dots
As \textcite{rsaJansonKLP93} show, \dots
...

\printbibliography
\end{document}
```

To compile:

```
pdflatex maindocument
biber maindocument
pdflatex maindocument
```