

# BIB<sub>T</sub>E<sub>X</sub> Yesterday, Today, and Tomorrow

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## Outline:

- introduction to BIB<sub>T</sub>E<sub>X</sub>
- history
- current status
- plans for version 1.0
- questions from the audience

Why use BIB<sub>T</sub>E<sub>X</sub>?

- avoid minutiae
- flexibility
- ease of data entry

mybib.bib entry:

```
@BOOK{knuth:tex,  
  author = "Donald E. Knuth",  
  title = "The {\TeX}book",  
  publisher = "Addison-Wesley",  
  year = 1984,  
}
```

```
@BOOK{,  
  author = "",  
  title = "",  
  publisher = "",  
  year = ,  
}
```

Show that all non-trivial zeros of the Riemann zeta function have real part  $1/2$ .

.tex-file fragment:

```
... in the \TeX{}book~\cite{knuth:tex} ...
```

... in the T<sub>E</sub>Xbook [23] ...

... in the T<sub>E</sub>Xbook<sup>23</sup> ...

... in the T<sub>E</sub>Xbook (Knuth, 1984) ...

23. Donald E. Knuth. The T<sub>E</sub>Xbook.  
Addison-Wesley, 1984.

```
\bibliography{mybib}  
\bibliographystyle{plain}
```

mypaper.tex contents:

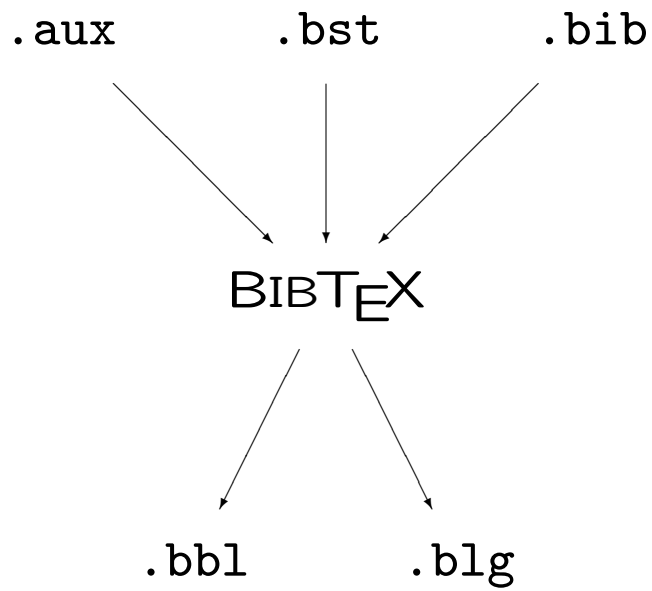
```
\documentclass{article}
\begin{document}
The \TeX{}book~\cite{knuth:tex} is useful.
\bibliography{mybib}
\bibliographystyle{plain}
\end{document}
```

The T<sub>E</sub>Xbook [1] is useful.

## References

[1] Donald E. Knuth. The T<sub>E</sub>Xbook. Addison-Wesley, 1984.

```
latex mypaper  
bibtex mypaper  
latex mypaper  
latex mypaper
```





mypaper.tex contents:

```
\input btxmac
The \TeX{}book~\cite{knuth:tex} is useful.
\medskip
\leftline{\bf References}
\bibliography{mybib}
\bibliographystyle{plain}
\bye
```

```
tex mypaper
bibtex mypaper
tex mypaper
tex mypaper
```

## History:

- pre-history: Scribe, PRE $\text{T}_{\text{E}}\text{X}$
- 1983: BIB $\text{T}_{\text{E}}\text{X}$  erupted
- 1984: version .41
- 1985: version .98f
- 1988: version .99
- 1990: `bt $\text{x}$ mac.tex`

15-Feb-83 0908

To: OP@SU-AI, tex82@SRI-CSL

Oren,

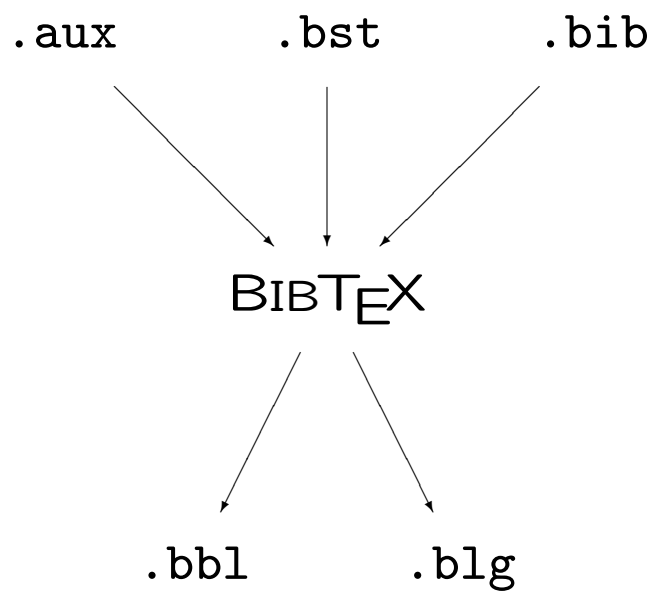
Leslie Lamport is working on a new macro package for TeX82, and needs someone to write a support program or two. We are volunteering you. His address is TEX82@SRI-CSL. Why don't you get in contact with him, and see whether his requirements are within the scope of what you're willing to do.

Current status:

- `BIBTEX: .99c`
- `standard styles: .99b`
- `btxmac.tex: .99k`

General goals for version 1.0:

1. nonstandard styles more readily available
2. more international
3. other fields (e.g., humanities)
4. enhanced sharing capabilities
5. FroZEN



.btp



Bibsty



## New features:

- eight-bit input
- multiple bibliographies within a document
- enhanced sorting capabilities
- reference-list pointers to in-text citations
- mechanism for 'also appeared as'
- more flexible (L<sup>A</sup>)T<sub>E</sub>X citation commands



## New features:

- a `\bibtexoptions` command
- a `.bib-entry` consolidation mode
- an `@ALIAS` feature
- a `@MODIFY` command
- some changes to the standard styles
  - a few more standard entrytypes
  - a few more standard fields
- a few more `.bst-language` primitives

Current plans:

- BIB<sub>T</sub>E<sub>X</sub> 0.99 bug fixes
- questions/suggestions: `comp.text.tex`
- alpha testers, `.bst` writers: