

# Indexes

FOR WINDOWS

Instructions for Producing Indexes

Install freeware ActivePerl (<http://www.activestate.com/Products/activeperl>) or other Perl implementation (needed to run authorindex script).

Create file natbib.cfg (placed in same directory as document) with the following syntax—makes authorindex compatible with natbib:

```
\AtBeginDocument{%  
\@ifpackageloaded{authorindex}{%  
  \ifNAT@numbers  
    \let\org@@citex\NAT@citexnum  
  \else  
    \let\org@@citex\NAT@citex  
  \fi  
\def\@citex[#1][#2]#3{%  
  \typeout{indexing: [#1][#2]{#3}}%  
  \org@@citex[#1][#2]{#3}%  
  \@aitey{#3}}%  
\renewcommand\NAT@wrout[5]{%  
  \if@filesw{%  
    \let\protect\noexpand\let~\relax  
    \immediate\write\@auxout{\string\aiibcite{#5}{#1}}%  
\immediate\write\@auxout{\string\bibcite{#5}{{#1}{#2}{{#3}}{#4}}}}%  
  \fi}}}  
\endinput
```

Put in preamble:

```
\usepackage[avoideditors]{authorindex}
\usepackage{index}
\newindex{author}{adx}{and}{Author Index}
\newindex{default}{idx}{ind}{Subject Index}
\newcommand*\seealso[2]{\emph{\seename\ also} #1}
\def\suppresscomma#1,{\hbox{} \ignorespaces}
```

(Note that .adx file will not actually be used: instead will use authorindex to generate the input file for the author index. More below on the last two lines of syntax.)

Put at end of document:

```
\printindex[author]
\printindex
```

Produce author index:

- LaTeX
- BibTeX
- LaTeX
- LaTeX (must rerun until page references correct)
- Command line: `authorindex -i fileroot`
- Command line: `makeindex -o fileroot.and fileroot.ain`

Produce subject index:

- LaTeX (may need to run more than once to get correct page numbers if have not just produced author index)
- Command line: `makeindex fileroot`

Notes:

1. *fileroot* is root of base .tex file, e.g., `Gehlbach_final_index`. Must have no spaces.
2. The following syntax in the preamble allows use of `seealso` (not supported with the `indexpackage`):

```
\newcommand*\seealso[2]{\emph{\seename\ also} #1}
```

```
\def\suppresscomma#1,{\hbox{} \ignorespaces}
```

I then enter seealso references as follows to ensure that seealso entries are properly placed at the end of any entry in the index:

```
\index{Baltic states!ZZ@\suppresscomma|seealso{Estonia, Latvia, Lithuania}}
```

A bit ugly, but it works.

## MODIFICATIONS FOR MAC

Perl native to Mac OS

Create file natbib.cfg as before

Put in preamble:

```
\usepackage[avoideditors]{authorindex}
\usepackage{multind}\ProvidesPackage{multind}
\makeindex{authors}
\makeindex{subject}
% Additional lines for see also?
```

Put at end of document:

```
\printindex{authors}{Author index}
\printindex{subject}{Subject index}
```

Copy Perl script authorindex from /usr/local/texlive/2010/texmf-dist/scripts/ to directory with .tex files. Then at line 294, modify this:

```
print STDERR `bibtex $tmp`;
```

to this (changing year as necessary according to installation):

```
print STDERR `/usr/local/texlive/2012/bin/universal-darwin/bibtex $tmp`;
```

Open Terminal and cd to directory with .tex files.

Create author index:

- LaTeX
- BibTeX
- LaTeX
- LaTeX (must rerun until page references correct)
- Terminal: **perl** authorindex -i *fileroot*
- Rename *fileroot.ain* authors.idx (replace old file)
- Terminal: /usr/texbin/makeindex authors
- Produce subject index:
- LaTeX (may need to run more than once to get correct page numbers if have not just produced author index)
- Terminal: /usr/texbin/makeindex subject