NAME

bibextract − extract BibTeX entries from a list of .bib files

SYNOPSIS

bibextract *keyword-regexp value-regexp bibfile(s)*

DESCRIPTION

bibextract extracts from a list of BIBTEX *.bib* files those bibliography entries that match a pair of specified regular expressions, sending them to *stdout*, together with all BIBTEX ‘‘@Preamble{...}’’ and ‘‘@String{...}’’ commands.

The first regular-expression pattern, *keyword-regexp*, is used to select which *“keyword = "value"”* pairs to examine further; it matches against the keyword part only. If it is an empty string, then all such pairs are examined.

The second regular-expression pattern, *value-regexp*, is used to further select from the value strings of *“keyword = "value"”* pairs the bibliography entries to be output. The selection algorithm therefore consists of the logical AND of match successes against the keyword and value strings.

bibextract can be used to extract from a large BIBTEX bibliography data base just those bibliography entries that match a particular pair of regular expressions.

EXAMPLES

Here are some examples:

Extract all entries mentioning chaos in any field:

> **bibextract** *"" "chaos" bibfile(s) >new-bibtex-file"*

Extract entries with names Brown or Smith occurring in either of the author or editor fields:

> **bibextract** *"author|editor" "brown|smith" bibfile(s) >new-bibtex-file*

Extract entries for titles containing the letter ‘z’ anywhere after a vowel; note that single quotes are necessary to provide the necessary protection from shell expansion:

> **bibextract** *"title" '[aeiou].*z' bibfile(s) >new-bibtex-file*

BUGS

bibextract is not smart enough to incorporate BIBTEX cross references unless they are themselves matched by the specified regular expression.

That feature should be added.

SEE ALSO

bibclean(1), **bibindex**(1), **biblook**(1), **bibsort**(1), **bibtex**(1), **citefind**(1), **citetags**(1), **latex**(1), **nawk**(1).

FILES

/usr/local/lib/bibextract/bibextract.awk	**nawk**(1) program for tag extraction.
/usr/local/bin/bibextract	user-callable shell script to invoke **nawk**(1).

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