

# Documentation for doipubmed.sty

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## 1 Introduction

The commands defined in this package were primarily designed for use in bibliographies to make it easier to cite documents with digital object identifiers (DOI) or PubMed entries. If the command `\url` has been defined, the definition will remain, otherwise the `url` package will be loaded.

Example:

```
@article{Cawley2002e,  
  author   = "Cawley, Gavin C. and Talbot, Nicola L. C.",  
  title    = "Fast leave-one-out cross-validation of sparse least-squares  
             support vector machines",  
  journal  = "Neural Networks",  
  volume   = 17,  
  number   = 10,  
  pages    = "1467--1475",  
  month    = DEC,  
  year     = 2004,  
  note     = "(\doi{10.1016/j.neunet.2004.07.002},  
             \pubmed{15541948}). Also available from  
             \citeurl{http://theoval.cmp.uea.ac.uk/~gcc/publications}"  
}
```

## 2 doipubmed.sty code

Package initialisation and identification

```
1 \*package  
2 \NeedsTeXFormat{LaTeX2e}  
3 \ProvidesPackage{doipubmed}[2005/09/09 (NLCT)]
```

If `\url` has not been defined, load the `url` package.

```
4 \ifundefined{url}{\RequirePackage{url}}{}
```

If `\href` has been defined (e.g. if the `hyperref` package has been loaded), then do nothing, otherwise if `\htmladdnormallink` has been defined (e.g. if the `html` package has been loaded) then define `\href` in terms of `\htmladdnormallink`,

otherwise define `\href` to simply print the second argument and the first is ignored (so there will be no hyperlink).

```

5 \ifundefined{href}{
6 \ifundefined{htmladdnormallink}{
7 \newcommand{\href}[2]{#2}
8 }{%
9 \newcommand{\href}[2]{\htmladdnormallink{#2}{#1}}
10 }
11 }{}

```

Define some commands to allow the user to change the format of the text provided with the hyperlink. The argument will be the argument as passed to `\doi` or `\pubmed`:

```

12 \newcommand{\doitext}[1]{doi: #1}
13 \newcommand{\pubmedtext}[1]{PubMed: #1}

```

`\doi` Define `\doi`. Syntax: `\doi{<code>}`. For example, `\doi{10.1109/ICPR.2004.1334245}` will produce **doi: 10.1109/ICPR.2004.1334245**.

```

14 \newcommand{\doi}[1]{\href{http://dx.doi.org/#1}{\doitext{#1}}}

```

`\pubmed` Define `\pubmed`. Syntax: `\pubmed{<code>}`. For example, `\pubmed{15541948}` will produce **PubMed: 15541948**.

```

15 \newcommand{\pubmed}[1]{%
16 \href{http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=#1&dopt=Ab
17 \pubmedtext{#1}}}

```

`\citeurl` Define `\citeurl` to place address between `<` and `>`.

```

18 \newcommand{\citeurl}[1]{\textless\url{#1}\textgreater}
19 \</package>

```

### 3 doipubmed.perl code

This is the code for the L<sup>A</sup>T<sub>E</sub>X2HTML style file. The text produced by the `\doi` and `\pubmed` commands don't include the code (but this can be changed by redefining `\doitext` and `\pubmedtext`)

```

20 <*perl>
21 #!/usr/bin/perl
22
23 # File      : doipub.perl
24 # Author    : Nicola Talbot
25 # Date      : 9th September 2005
26 # Description : LaTeX2HTML style file implementing doipubmed package
27
28 sub do_cmd_doitext{
29     local($_) = @_;
30     local($doi);
31
32     s/$next_pair_pr_rx/$doi=$2;''/eo;
33     join(' ', "doi", $_);

```

```

34 }
35
36 sub do_cmd_pubmedtext{
37     local($_) = @_;
38     local($pubmed);
39
40     s/$next_pair_pr_rx/$pubmed=$2;''/eo;
41     join('', "PubMed", $_);
42 }
43
44 sub do_cmd_doi{
45     local($_) = @_;
46     local($doi,$doitext,$br_id);
47
48     s/$next_pair_pr_rx/$br_id=$1;$doi=$2;''/eo;
49
50     $doitext = &do_cmd_doitext("$OP$br_id$CP$doi$OP$br_id$CP");
51
52     join('',
53         &make_href("http://dx.doi.org/$doi", $doitext),
54         $_);
55 }
56
57 sub do_cmd_pubmed{
58     local($_) = @_;
59     local($pubmed,$pubmedtext,$br_id);
60
61     s/$next_pair_pr_rx/$br_id=$1;$pubmed=$2;''/eo;
62
63     $pubmedtext = &do_cmd_pubmedtext("$OP$br_id$CP$pubmed$OP$br_id$CP");
64
65     join('',
66         &make_href("http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_u
67             $pubmedtext),
68         $_);
69 }
70
71 sub do_cmd_citeurl{
72     local($_) = @_;
73     local($url);
74
75     s/$next_pair_pr_rx/$url=$2;''/eo;
76
77     join('', '<',
78         &make_href($url, $url), '>',
79         $_);
80 }
81
82 1;
83 </perl>

```