



L^AT_EX Packages

Allegan County GIS
www.allegancounty.org/gis

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1 \LaTeX Packages used by AC GIS

Contents

1.1 float Package

1.1.1 usepackage

text

1.1.2 Simple Use

text

1.1.3 Options

text

Add optional arguments to the usepackage line:

Useful options:

- **OPTION NAME**
OPTION NOTE
- **OPTION NAME**
OPTION NOTE

1.1.4 Use with options

text

1.1.5 Commands

Contents

1.2 graphicx Package

1.2.1 usepackage

text

1.2.2 Simple Use

text

1.2.3 Options

text

Add optional arguments to the usepackage line:

Useful options:

- **OPTION NAME**
OPTION NOTE
- **OPTION NAME**
OPTION NOTE

1.2.4 Use with options

text

1.2.5 Commands

Contents

1.3 hyperref Package

1.3.1 usepackage

Add the *hyperref package* to the preamble **last**.

```
\usepackage[options]{hyperref}
```

1.3.2 Simple Use

Use `\href{URL}{DESCRIPTION}` to add a link with description

```
\href{https://www.latex-tutorial.com}{Website with tutorials}
```

produces:

[Website with tutorials](https://www.latex-tutorial.com)

1.3.3 Options

Add optional arguments to the usepackage line:

Useful options:

- **pdftex**
enables other options like breaklines
- **breaklinks**
allow links to be broken across several lines
eg. <https://lists.gnu.org/archive/html/emacs-orgmode/2013-06/msg00776.html>
- **colorlinks**
Colors the text of links and anchors.(default is false)
- **linkcolor**
Color for normal internal links(default is red).
- **anchorcolor**
Color for anchor text.
- **citecolor**
Color for bibliographic citations in text.
- **urlcolor**
Color for linked URLs

1.3.4 Use with options

```
\usepackage[breaklinks,colorlinks,citecolor=blue,  
urlcolor=green]{hyperref}
```

1.3.5 Commands

`\href{URL}{text}` Makes text a link to URL.

[Manual for hyperref](#)

`\hyperref[label]{text}`
Makes text a link to where `\ref{label}` would point.

`\hypertarget{name}{text}`
Sets an anchor on text with the label name.

`\hyperlink{name}{text}`
Makes text a link that takes you to the anchor labeled name.
*Pair with `\hypertarget`.

`\phantomsection`
Used in conjunction with

`\addcontentsline`
to make the correct link in the Table of Contents.

Contents

1.4 import Package

1.4.1 usepackage

text

1.4.2 Simple Use

text

1.4.3 Options

text

Add optional arguments to the usepackage line:

Useful options:

- **OPTION NAME**
OPTION NOTE
- **OPTION NAME**
OPTION NOTE

1.4.4 Use with options

text

1.4.5 Commands

Contents

1.5 wrapfig Package

1.5.1 usepackage

text

1.5.2 Simple Use

text

1.5.3 Options

text

Add optional arguments to the usepackage line:

Useful options:

- **OPTION NAME**
OPTION NOTE
- **OPTION NAME**
OPTION NOTE

1.5.4 Use with options

text

1.5.5 Commands