



# L<sup>A</sup>T<sub>E</sub>X Packages

---

Allegan County GIS  
[www.allegancounty.org/gis](http://www.allegancounty.org/gis)

July 10, 2018

## Contents

0.1	float Package	4
0.1.1	usepackage	4
0.1.2	Simple Use	4
0.1.3	Options	4
0.1.4	Use with Options	4
0.1.5	Commands	4
0.2	graphicx Package	6
0.2.1	usepackage	6
0.2.2	Simple Use	6
0.2.3	Options	6
0.2.4	Use with Options	6
0.2.5	Commands	6
0.3	hyperref Package	8
0.3.1	usepackage	8
0.3.2	Simple Use	8
0.3.3	Options	8
0.3.4	Use with Options	8
0.3.5	Commands	9
0.3.6	usepackage	11
0.3.7	Simple Use	11
0.3.8	Options	11
0.3.9	Use with Options	11
0.3.10	Commands	11
0.4	wrapfig Package	13
0.4.1	usepackage	13
0.4.2	Simple Use	13
0.4.3	Options	13
0.4.4	Use with Options	13
0.4.5	Commands	13

## Contents

## 0.1 float Package

### 0.1.1 usepackage

text

### 0.1.2 Simple Use

text

### 0.1.3 Options

text

Add optional arguments to the usepackage line:  
Useful options:

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

### 0.1.4 Use with options

text

### 0.1.5 Commands

## Contents

## 0.2 graphicx Package

### 0.2.1 usepackage

text

### 0.2.2 Simple Use

text

### 0.2.3 Options

text

Add optional arguments to the usepackage line:

Useful options:

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

### 0.2.4 Use with options

text

### 0.2.5 Commands

## Contents

## 0.3 hyperref Package

### 0.3.1 usepackage

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

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

### 0.3.2 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

### 0.3.3 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

### 0.3.4 Use with options

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



### 0.3.5 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

### 0.3.6 usepackage

text

### 0.3.7 Simple Use

text

### 0.3.8 Options

text

Add optional arguments to the usepackage line:  
Useful options:

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

### 0.3.9 Use with options

text

### 0.3.10 Commands

## Contents

## 0.4 wrapfig Package

### 0.4.1 usepackage

text

### 0.4.2 Simple Use

text

### 0.4.3 Options

text

Add optional arguments to the usepackage line:

Useful options:

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

### 0.4.4 Use with options

text

### 0.4.5 Commands