

# The epsfig package\*

Sebastian Rahtz  
latex-team@latex-project.org

2024/01/14

This file is maintained by the L<sup>A</sup>T<sub>E</sub>X Project team.  
Bug reports can be opened (category `graphics`) at  
<https://latex-project.org/bugs.html>.

## 1 Preface

```
1 <*package>
2 \DeclareOption*{\PassOptionsToPackage{\CurrentOption}{graphicx}}
3 \ProcessOptions
4 \RequirePackage{graphicx}
```

### 1.1 Emulation of ‘psfig’ syntax

Emulate epsfig.sty, and most varieties of psfig

```
\psfig
\epsfig 5 \def\psfig#1{%
6 \let\Gin@ewidth\Gin@exclamation\let\Gin@eheight\Gin@ewidth
7 \def\Gin@req@sizes{%
8 \def\Gin@scalex{1}\let\Gin@scaley\Gin@exclamation
9 \Gin@req@height\Gin@nat@height
10 \Gin@req@width\Gin@nat@width}%
11 \begingroup
12 \let\Gfigname\relax
13 \@tempwafalse
14 \toks@{\Ginclude@graphics{\Gfigname}}%
15 \setkeys{Gin}{#1}%
16 \Gin@esetsize
17 \ifx\Gfigname\relax\ErrorNoFile\else
18 \the\toks@
19 \fi
20 \endgroup}
21 \define@key{Gin}{figure}{\def\Gfigname{#1}}
22 \define@key{Gin}{file}{\def\Gfigname{#1}}
23 \define@key{Gin}{prolog}{\typeout{epsfig: header files are not needed}}
24 \define@key{Gin}{silent}[]{}
25 \def\psdraft{\Gin@drafttrue}
```

---

\*This file has version number v1.7b, last revised 2024/01/14.

```

26 \def\psfull{\Gin@draftfalse}
27 \def\pssilent{\typeout{epsfig option 'silent' ignored}}
28 \def\psnoisy{\typeout{epsfig option 'noisy' ignored}}
29 \let\epsfig\psfig
30 \def\psfigdriver#1{\makeatletter\input{#1.def}\makeatother}

```

## 1.2 Emulation of 'epsf' syntax

Emulate Rokicki's epsf.tex, supplied with the ever-popular dvips.

```

\epsfbox
\epsffile 31 \newdimen\epsfxsize
32 \newdimen\epsfysize
33 \epsfxsize\z@
34 \epsfysize\z@
35 \def\epsfsize#1#2{\epsfxsize}
36 \def\epsfbox{%
37   \ifnextchar[%
38     {\Gin@bbboxtrue\epsf@bb@box}%
39     {\Gin@bbboxfalse\epsf@box}%
40   }
41 \def\epsf@bb@box[#1#2]{%
42   \expandafter\Gread@parse@bb#1#2 \
43   \epsf@box}
44 \def\epsf@box#1{%
45   \bgroup
46     \def\Gin@req@sizes{%
47       \epsfxsize\epsfysize{\Gin@nat@width}{\Gin@nat@height}%
48       \ifdim\epsfxsize=\z@
49         \ifdim\epsfysize=\z@
50           \Gin@req@height\Gin@nat@height
51           \Gin@req@width\Gin@nat@width
52         \else
53           \let\Gin@scalex\Gin@exclamation
54           \Gin@req@height\epsfysize
55           \Gscale@div\Gin@scaley\Gin@req@height\Gin@nat@height
56           \Gin@req@width\Gin@scaley\Gin@nat@width
57         \fi
58       \else
59         \Gin@req@width\epsfxsize
60         \Gscale@div\Gin@scalex\Gin@req@width\Gin@nat@width
61         \ifdim\epsfysize=\z@
62           \let\Gin@scaley\Gin@exclamation
63           \Gin@req@height\Gin@scalex\Gin@nat@height
64         \else
65           \Gin@req@height\epsfysize
66           \Gscale@div\Gin@scaley\Gin@req@height\Gin@nat@height
67         \fi
68       \fi
69     }%
70   \Gininclude@graphics{#1}%
71 \egroup
72 \epsfysize\z@
73 \epsfxsize\z@

```

```
74 }
75 \let\epsffile\epsfbox
76 \def\epsfclipon{\Gin@cliptrue}
77 \def\epsfclipoff{\Gin@clipfalse}
78 \def\epsfverbose>true{\typeout{epsf verbose option ignored}}
79 \def\epsfverbose>false{\typeout{epsf verbose option ignored}}
80 \end{package}
```