The epsfig package*

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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    \@tempswafalse
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}
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
```

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```
\epsfysize\z@
\epsfxsize\z@
\def\epsfsize#1#2{\epsfxsize}
\def\epsfbox{%
 \@ifnextchar[%
  {\Gin@bboxtrue\epsf@bb@box}%
  {\Gin@bboxfalse\epsf@box}%
}
\def\epsf@bb@box[#1#2]{%
  \expandafter\Gread@parse@bb#1#2 \\
  \epsf@box}
\def\epsf@box#1{%
 \bgroup
   \def\Gin@req@sizes{%
        \epsfxsize\epsfsize{\Gin@nat@width}{\Gin@nat@height}%
        \ifdim\epsfxsize=\z@
            \ifdim\epsfysize=\z@
                \Gin@req@height\Gin@nat@height
                \Gin@req@width\Gin@nat@width
            \else
                \let\Gin@scalex\Gin@exclamation
                \Gin@req@height\epsfysize
                \Gscale@div\Gin@scaley\Gin@req@height\Gin@nat@height
                \Gin@req@width\Gin@scaley\Gin@nat@width
            \fi
        \else
            \Gin@req@width\epsfxsize
            \Gscale@div\Gin@scalex\Gin@req@width\Gin@nat@width
            \ifdim\epsfysize=\z@
                \let\Gin@scaley\Gin@exclamation
                \Gin@req@height\Gin@scalex\Gin@nat@height
            \else
                \Gin@req@height\epsfysize
                \Gscale@div\Gin@scaley\Gin@req@height\Gin@nat@height
            \fi
        \fi
      }%
 \Ginclude@graphics{#1}%
 \egroup
 \epsfysize\z@
 \epsfxsize\z@
}
\let\epsffile\epsfbox
\def\epsfclipon{\Gin@cliptrue}
\def\epsfclipoff{\Gin@clipfalse}
\def\epsfverbosetrue{\typeout{epsf verbose option ignored}}
\def\epsfverbosefalse{\typeout{epsf verbose option ignored}}
⟨/package⟩
```