

```

% -----
%
% $Id: ieee6x9.sty,v 1.4 1998/03/07 17:30:07 dean Exp $
%
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% Modified by: Dean.Thompson@csse.monash.edu.au
% Comments/Suggestions/Bugs Directed to: ieee-style@csse.monash.edu.au
%
%
% 16-Jul-93: obtained from art11.sty and other .sty files (ienne)
% 07-Mar-95: modified to run under LaTeX2e (ienne)
% 07-Mar-98: updated to provide consistency for subsection's (dean)
%
% -----
%
% no guarantee is given that the format corresponds perfectly to
% IEEE 6" x 9" Proceedings, but most features should be ok.
%
% -----
% with LaTeX2e:
% =====
%
% use as
% \documentclass[a4paper,11pt]{article}
% \usepackage{ieee6x9}
%
% -----
% with LaTeX 2.09:
% =====
%
% use as \documentstyle[ieee6x9,...your options...]{article}
%
% -----
% with both versions:
% =====
%
% specify \pagestyle{empty} to omit page numbers in the final
% version
%
% specify references as
% {\footnotesize
% \bibliography{...your files...}
% \bibliographystyle{plain}
% }
%
% use Section{}, SubSection{} and SubSubSection{} instead of
% standard section{}, subsection{} and subsection{} to
% obtain headings in the form "1.3: My heading"
%
% Please note that you may have to obtain the font file titled
% ``phvb7t.tfm" or ``phvb.tfm" if you don't already have the
% helvetica bold font. Consult your local CTAN site.
% (E.g: http://www.dante.de/cgi-bin/ctan-index)
% -----
%
% thirteen point roman bold required for first-order headings

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\font\thrtbf = cmbx10 scaled 1300

% eleven point helvetica bold required for captions
% in some sites the name of the helvetica bold font may differ,
% change the name here:
%\font\elvhw = phvb at 11pt
\font\elvhw = phvb7t at 11pt

\lineskip 1pt \normallineskip 1pt
\def\baselinestretch{1}

% normal 11pt vertical spacing changed to 13pt
\def\@normalsize{\@setsize\normalsize{13pt}\xpt\@xipt}
\abovedisplayskip 11pt plus3pt minus6pt
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus3pt
\belowdisplayshortskip 6.5pt plus3.5pt minus3pt
\let\@listi\@listI

\def\small{\@setsize\small{12pt}\xpt\@xpt}
\abovedisplayskip 10pt plus2pt minus5pt
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus3pt
\belowdisplayshortskip 6pt plus3pt minus3pt
\def\@listi{\leftmargin\leftmarginI}
\topsep 6pt plus 2pt minus 2pt
\parsep 3pt plus 2pt minus 1pt
\itemsep \parsep}

% normal 9pt vertical spacing changed to 10pt
\def\footnotesize{\@setsize\footnotesize{10pt}\ixpt\@ixpt}
\abovedisplayskip 8pt plus 2pt minus 4pt
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus 1pt
\belowdisplayshortskip 4pt plus 2pt minus 2pt
\def\@listi{\leftmargin\leftmarginI}
\topsep 4pt plus 2pt minus 2pt
\parsep 2pt plus 1pt minus 1pt
\itemsep \parsep}

\def\scriptsize{\@setsize\scriptsize{9.5pt}\viiipt\@viiipt}
\def\tiny{\@setsize\tiny{7pt}\vipt\@vipt}
\def\large{\@setsize\large{14pt}\xiipt\@xiipt} \def\Large{\@setsize\Large{18pt}\xivpt\@xivpt}
\def\LARGE{\@setsize\LARGE{22pt}\xviipt\@xviipt}
\def\huge{\@setsize\huge{25pt}\xxpt\@xxpt}
\def\Huge{\@setsize\Huge{30pt}\xxvpt\@xxvpt}
\normalsize

% many changes here to have the correct page size
\oddsidemargin 11.9pt
\evensidemargin 12.0pt
\marginparwidth 83pt
\marginparsep 10pt
%\topmargin -3.75pc
\setlength{\topmargin}{+.2cm}
%\topmargin -2.4pc

```

```
\headheight 12pt \headsep 25pt \footskip 30pt
%\textheight 53.75pc
\textheight 53.25pc
\textwidth 36pc
```

```
\footnotesep 7.7pt
\skip\footins 10pt plus 4pt minus 2pt
\floatsep 12pt plus 2pt minus 2pt
\textfloatsep 13pt plus 2pt minus 4pt
\intextsep 12pt plus 2pt minus 2pt
%\@maxsep 20pt
\dblfloatsep 12pt plus 2pt minus 2pt
\dbltextfloatsep 20pt plus 2pt minus 4pt
%\@dblmaxsep 20pt
\@fptop 0pt plus 1fil
\@fpsep 8pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblftop 0pt plus 1fil
\@dblfpsep 8pt plus 2fil
\@dblfpbot 0pt plus 1fil
\marginparpush 5pt
```

```
\parskip 0pt plus 1pt
\parindent 1pc
\partopsep 3pt plus 1pt minus 2pt
\@lowpenalty 51 \@medpenalty 151 \@highpenalty 301
\@beginparpenalty -\@lowpenalty
\@endparpenalty -\@lowpenalty
\@itempenalty -\@lowpenalty
```

```
\def\part{\par \addvspace{4ex} \@afterindentfalse
\secdef\@part\@spart}
\def\@part[#1]#2{\ifnum \c@secnumdepth >\m@ne
\refstepcounter{part}
\addcontentsline{toc}{part}{\thepart \hspace{1em}#1}\else
\addcontentsline{toc}{part}{#1}\fi { \parindent 0pt raggedright
\ifnum \c@secnumdepth >\m@ne \Large \bf Part \thepart
\par\nobreak \fi \huge
\bf #2\markboth{}{} \par } \nobreak \vskip 3ex \@afterheading }
\def\@spart#1{{\parindent 0pt raggedright
\huge \bf
#1\par} \nobreak \vskip 3ex \@afterheading }
```

```
% some changes here to have the headings (including the new subsection)
\def\section{\@startsection {section}{1}{\z@}
{16pt plus 2pt minus 2pt}{16pt plus 2pt minus 2pt}
{\Large\thrtbf}}
\def\subsection{\@startsection {subsection}{2}{\z@}
{13pt plus 2pt minus 2pt}{13pt plus 2pt minus 2pt}
{\normalsize\bf}}
\def\subsubsection{\@startsection {subsubsection}{3}{\z@}
{10pt plus 2pt minus 2pt}{10pt plus 2pt minus 2pt}
{\small\bf}}
```

```
\setcounter{secnumdepth}{3}
```

```

\def\appendix{\par
\setcounter{section}{0}
\setcounter{subsection}{0}
\def\thesection{\Alph{section}} }

\leftmargini 2.5em
\leftmarginii 2.2em
\leftmarginiii 1.87em
\leftmarginiv 1.7em
\leftmarginv 1em
\leftmarginvi 1em
\leftmargin\leftmargini
\labelsep .5em
\labelwidth\leftmargini\advance\labelwidth-\labelsep
\def\@listI{\leftmargin\leftmargini
\parsep 0pt\topsep 5pt\itemsep 3pt}
\let\@listi\@listI
\@listi
\def\@listii{\leftmargin\leftmarginii
\labelwidth\leftmarginii\advance\labelwidth-\labelsep
\topsep 4.5pt plus 2pt minus 1pt
\parsep 2pt plus 1pt minus 1pt
\itemsep \parsep}
\def\@listiii{\leftmargin\leftmarginiii
\labelwidth\leftmarginiii\advance\labelwidth-\labelsep
\topsep 2pt plus 1pt minus 1pt
\parsep \z@ \partopsep 1pt plus 0pt minus 1pt
\itemsep \topsep}
\def\@listiv{\leftmargin\leftmarginiv
\labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
\def\@listv{\leftmargin\leftmarginv
\labelwidth\leftmarginv\advance\labelwidth-\labelsep}
\def\@listvi{\leftmargin\leftmarginvi
\labelwidth\leftmarginvi\advance\labelwidth-\labelsep}

\def\maketitle{\par
\begingroup
\def\thefootnote{\fnsymbol{footnote}}
\def\@makefnmark{\hbox
to 0pt{\$^\@thefnmark}\$hss}
\if@twocolumn
\twocolumn[\@maketitle]
\else \newpage
% Prevents figures from going at top of page.
\global\@topnum\z@
\@maketitle \fi\thispagestyle{plain}\@thanks
\endgroup
\setcounter{footnote}{0}
\let\maketitle\relax
\let\@maketitle\relax
\gdef\@thanks{ }\gdef\@author{ }\gdef\@title{ }\let\thanks\relax}

\def\@maketitle{\newpage
\null
\vspace*{-1pc} % Vertical space above title.

```

```

\begin{center}
{\Large\bf \@title \par} % Title set in 14pt boldface.
\vspace*{26pt} % Two blank lines after title.
{\large % Author/affiliation set in \large
\lineskip .5em
\begin{tabular}[t]{c}\@author
\end{tabular}\par}
\end{center}
\par
\vspace*{16pt} % Two blank lines after author. (!)
}

\def\abstract{\vspace*{-16pt}%
\section*{\normalsize\bf\centering Abstract}\em}
% Two blank lines after abstract (-16pt already left
% from \section)
\def\endabstract{\vspace*{10pt}}

\newcommand{\Section}[1]{\section{\hskip -1em:~#1}}
\newcommand{\SubSection}[1]{\subsection{\hskip -1em:~#1}}
\newcommand{\SubSubSection}[1]{\subsubsection{\hskip -1em:~#1}}

\long\def\@makecaption#1#2{
\vskip 10pt
\setbox\@tempboxa\hbox{\large\elv hv #1.~#2}
\ifdim \wd\@tempboxa >\hsize % IF longer than one line:
\large\elv hv #1.~#2\par % THEN set as ordinary
% paragraph.
\else % ELSE center.
\hbox to\hsize{\hfil\box\@tempboxa\hfil}
\fi}

% end of file ieee6x9.sty
% -----

```