

The `amsaddr` class*

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Abstract

This package is intended to be used with the `amsart` document class only. It lets you move the authors' affiliations either just below the authors' names on the front page or as footnotes on the first page. The email addresses are always listed as a footnote on the front page.

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1 License

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2 Usage

To use this package, you need to include the directive `\usepackage{amsaddr}` in your `.tex` file. Alternatively, you may also use it with the `foot` option `\usepackage[foot]{amsaddr}`. When using the `foot` option, the addresses are put as footnotes on the first page of the document.

A typical usage looks like the following

```
\author{author one and author two}
\address{common address of authors one and two}

\author{author three}
\address{author three address}
```

*This document corresponds to `amsaddr` v1.3, dated 2026/01/30.

```
\email{list of emails}
```

If `amsaddr` is used without the `foot` option, the addresses declared with the `\address` command are printed just below the authors' names declared with the preceding `\author` command. The emails appear as a footnote like this

E-mail address: email one, email two, and so on
The text “*E-mail address*” can be customized by redefining `\emailaddrname`, which has default definition

```
\def\emailaddrname{{\itshape Email address}}
```

Note the use of `\itshape` inside the definition.

If the option `foot` was passed to the package, you may consider numbering authors' names so that you can use numbered footnotes for the affiliations.

```
\author{author one1 and author two1}  
\address{1common address of authors one and two}
```

```
\author{author three2}  
\address{2author three address}
```

```
\email{list of emails}
```

As in standard `amsart` documents, an option can be passed to the `\author` command to specify the replacement for the author's name on the running headers.

```
\author[header name of the author]{author name}
```

3 Implementation

```
1 \def\filename{amsaddr}  
2 \def\fileversion{v1.0}  
3 \def\filedate{2006/12/12}  
4 \ifx\protected@edef\undefined  
5 \let\protected@edef\edef  
6 \fi
```

The `foot` option enables to move the affiliation related material to the bottom of the first page as footnotes.

```
7 \newif\if@footaddr  
8 \DeclareOption{foot}{\@footaddrtrue}  
9 \ProcessOptions\relax
```

`\author` The `\author` macro can be used the same way as in other `amsart` documents. The variable `g@author` is used to count the total number of authors.

```
10 \newcounter{g@author}  
11 \setcounter{g@author}{0}  
12 \renewcommand{\author}[2] [] {%  
13 \stepcounter{g@author}  
14 \ifx\@empty\authors  
15 \gdef\authors{#2}%  
16 \else
```

```

17   \g@addto@macro\authors{\and#2}%
18   \fi
19   \g@addto@macro\addresses{\author{#2}}%
20   \@ifnotempty{#1}{%
21     \ifx\@empty\shortauthors
22       \gdef\shortauthors{#1}%
23     \else
24       \g@addto@macro\shortauthors{\and#1}%
25     \fi
26   }%
27 }

```

`\email` The `\email` command is used to specify the different authors. The email addresses can be specified in a unique command or using separate invocations of the command.

```

28 \let\emails\@empty
29 \renewcommand{\email}[2] [] {
30   \ifx\@empty\emails
31     \gdef\emails{\mbox{#2}}
32   \else
33     \g@addto@macro\emails{, \space\mbox{#2}}
34   \fi
35 }

```

Process `\author` and `\address` macros

```

36 \def\@set@authors@addresses{\par
37   \skip@30\p@
38   \centering
39   \begin@group
40   \def\author##1{\par\vskip\skip@MakeUppercase{##1}}%
41   \def\{\protect\linebreak}%
42   \centering
43   \def\address##1##2{\par\addvspace\bigskipamount%
44     {\itshape\ignorespaces##2}}%
45   }%
46   \def\email##1##2{%
47     \@ifnotempty{##2}{, \ignorespaces{\ttfamily##2}}%
48   \def\curraddr##1##2{}%
49   \def\urladdr##1##2{}%
50   \addresses
51   \end@group
52   \par
53 }

```

`\@setfoot@addresses` The `\@setfoot@addresses` macro is used to print the addresses as footnotes. This macro is called when the `foot` option is passed to the package.

```

54 \def\@setfoot@addresses{
55   \def\author##1{}%
56   \def\{\unskip, \ignorespaces}%
57   \newif\if@firstaddr
58   \@firstaddrtrue
59   \def\address##1##2{%
60     \if@firstaddr\@firstaddrfalse\else\par\fi
61     \@ifnotempty{##1}{(\ignorespaces##1\unskip) }%
62     {\scshape\ignorespaces##2}%
63   }%
64   \def\email##1##2{}%
65   \def\curraddr##1##2{}%
66   \def\urladdr##1##2{}%

```

```

67 \addresses
68 }

```

`\@setaddresses` The `\@setaddresses` macro is used to process the addresses when they are to appear just below the authors' names on the front page.

```

69 \def\@setaddresses{\par
70 \nobreak \begingroup
71 \def\author##1{\nobreak\advspace\bigskipamount}%
72 \def\{\{\unskip, \ignorespaces}%
73 \interlinepenalty\@M
74 \def\address##1##2{%
75 \def\email##1##2{%
76 \def\curraddr##1##2{\begingroup
77 \ifnotempty{##2}{\nobreak\indent\curraddrname%
78 \ifnotempty{##1}{, \ignorespaces##1\unskip}\:\space
79 ##2\par}\endgroup}%
80 \def\urladdr##1##2{\begingroup
81 \ifnotempty{##2}{\nobreak\indent{\itshape URL}%
82 \ifnotempty{##1}{, \ignorespaces##1\unskip}\:\space
83 \ttfamily##2\par}\endgroup}%
84 \addresses
85 \endgroup
86 }

```

`\@setemails` The `\@setemails` macro is called by the `\maketitle` command to print the email addresses.

```

87 \def\@setemails{%
88 \mbox{\emailaddrname:\space}{\ttfamily\emails}.
89 }

```

`\@maketitle` The `\@maketitle` macro is used to replace the standard `\makefile` command. Before issuing this command, no authors, affiliations, nor emails are printed.

```

90 \def\@maketitle{%
91 \normalfont\normalsize
92 \let\@makefnmark\relax \let\@thefnmark\relax
93 \if@footaddr\@footnotetext{\@setfoot@addresses}\fi
94 \ifx\@empty\emails\else \@footnotetext{\@setemails}\fi
95 \ifx\@empty\@date\else \@footnotetext{\@setdate}\fi
96 \ifx\@empty\@subjclass\else \@footnotetext{\@setsubjclass}\fi
97 \ifx\@empty\@keywords\else \@footnotetext{\@setkeywords}\fi
98 \ifx\@empty\thanks\else \@footnotetext{%
99 \def\par{\let\par\@par}\@setthanks}\fi
100 \mkboth{\@nx\shortauthors}{\@nx\shorttitle}%
101 \global\topskip42\p@\relax % 5.5pc " " " " "
102 \@settitle
103 \if@footaddr\ifx\@empty\authors \else \@setauthors \fi
104 \else%
105 \ifx\@empty\authors \else \@set@authors@addresses \fi
106 \fi
107 \ifx\@empty\@dedicatory
108 \else
109 \baselineskip18\p@
110 \vtop{\centering{\footnotesize\itshape\@dedicatory\@par}%
111 \global\dimen@i\prevdepth}\prevdepth\dimen@i
112 \fi
113 \@setabstract
114 \normalsize
115 \if@titlepage

```

```

116   \newpage
117   \else
118     \dimen@34\p@ \advance\dimen@-\baselineskip
119     \vskip\dimen@\relax
120   \fi
121   \let\addresses\relax
122   \let\@setfoot@addresses\relax
123 } % end \@maketitle

```

In `amsart` documents, affiliations are normally printed by the `\enddoc@text` command. To avoid a double printing of the considered material, the `\enddoc@text` macro has to be redefined.

```

124 \def\enddoc@text{
125   \ifx\@empty\addresses\else \@setaddresses\fi
126 }

```

Change History

v1.0	General: Initial version 1	v1.2	General: Fix error with <code>\dedicatory</code> 1
v1.1	General: Fix space alignment 1	v1.3	General: Honor <code>\emailaddrname</code> . . . 1