

AMS Preprint Style

```
\input amstex
\documentstyle{amsppt}
  {Preamble Commands}
\topmatter
  {Top Matter Commands}
\endtopmatter
\document
  {Body of Document}
\enddocument

Preamble Commands
\TagsOnLeft (default) or \TagsOnRight
\TagsAsText (default) or \TagsAsMath
\NoPageNumbers
\NoRunningHeads
\Monograph
\define

Top Matter Commands
\title ... \endtitle
\author ... \endauthor
\affil ... \endaffil
\address ... \endaddress
\curraddr ... \endcurraddr
\email ... \endemail
\date ... \enddate
\dedicatory ... \enddedicatory
\thanks ... \endthanks
\translator ... \endtranslator
\keywords ... \endkeywords
\subjclass ... \endsubjclass
\abstract ... \endabstract
\toc ... \endtoc (Table of Contents)
\leftheadtext#1 (set left headline text)
\rightheadtext#1 (set right headline text)

Body of Paper Commands
\specialhead ... \endspecialhead
\head ... \endhead
\subhead ... \endsubhead
\subsubhead ... \endsubsubhead
\proclaim#1 ... \endproclaim
\rom#1 (Roman font in proclaim)
\demo#1 ... \enddemo (proof)
\qed (end of proof marker)
\roster ... \endroster (roster of listed items)
  \item (start a new item in a roster)
  \item[(number)] (specify roster item number)
  \item* (item with specified marker)
  \therosteritem#1 (refer to specified roster item)
  \widestnumber{item#1} (set width for roster labels)
\nofrills (turn off automatic font, spacing, punctuation)
\usualspace (usual space following punctuation)
\definition#1 ... \enddefinition
\example#1 ... \endexample
\remark#1 ... \endremark
\block ... \endblock (indented text)
\cite (cite a reference)
```

AMS Preprint Style — References

\Refs ... \endRefs	list of references
\refstyle#1	specify style A, B, or C
	A = initials, B = name, C = number
\ref ... \endref	individual reference
\no or \key	number or key for reference
\widestnumber{no#1}	or \widestnumber{key#1}
\by	author
\bysame	same as previous author
\paper	name of paper
\vol	volume
\yr	year of publication
\jour	journal
\page or \pages	page(s)
\toappear	to appear
\inbook	article in a book
\moreref	additional reference information
\paperinfo	extra information after paper title
\procinfo	information about proceedings
\issue	issue number
\lang	language
\transl	information about translated version
\book	book
\ed or \eds	editor(s)
\publ	publisher
\publaddr	publisher address
\bookinfo	extra information after book title
\finalinfo	extra information for end
\miscnote	same as \finalinfo, in parens.

Overlines and Underlines

\underline#1	underline
\overline#1	overline
\overarrow#1	over right arrow
\underarrow#1	under right arrow
\overleftarrow#1	over left arrow
\underleftarrow#1	under left arrow
\overleftrightarrow#1	over left-right arrow

Delimiters

[\lbrack or \[{ \lbrace or \{	< \langle
] \rbrack or \]	} \rbrace or \}	> \rangle
\vert or \	\lfloor \lfloor	\lceil \lceil
\Vert or \ \	\rfloor \rfloor	\rceil \rceil
\uparrow \uparrow	\Uparrow \Uparrow	\updownarrow \updownarrow
\downarrow \downarrow	\Downarrow \Downarrow	\Updownarrow \Updownarrow
\[\![\!\!	((\!\(\langle \langle	\!\rangle \!\rangle \!\rangle \!\rangle
\]\!])	\)\!)	\rangle \!\rangle \!\rangle \!\rangle
\left#1 \right#1	expanding delimiters	
\left. \right.	empty delimiters	
\bigl#1 \bigr#1	big delimiters	
\Bigl#1 \Bigr#1	bigger delimiters	
\biggl#1 \biggr#1	even bigger delimiters	

Non-Italic Function Names

\arccos \cos \csc \exp \ker \limsup \min \sinh	
\arcsin \cosh \deg \gcd \lg \ln \Pr \sup	
\arctan \cot \det \hom \lim \log \sec \tan	
\arg \coth \dim \inf \liminf \max \sinh \tanh	

Alignments and Displayed Equations

\\\	separate lines
\&	separate items in a line
\align ... \endalign	align equations, full width of page
\alignat#1 ... \endalignat	align #1 pairs
\xalignat#1 ... \endxalignat	equally spaced
\xxalignat#1 ... \endxxalignat	equally spaced, flush
\aligned ... \endaligned	align equations, width as needed
\alignedat#1 ... \endalignedat	align #1 pairs
\topaligned ... \endtopaligned	align along top
\botaligned ... \endbotaligned	align along bottom
\gather ... \endgather	centered equations, full width of page
\gathered ... \endgathered	centered equations, width as needed
\multline ... \endmultline	first line left, middle lines centered, last line right
\shoveleft#1	shove lines left
\shoveright#1	shove lines right
\multlinegap{\dimen}	change margins
\cases ... \endcases	case construction
\split ... \endsplit	align split equations with variable tag placement
\Sb ... \endSb	multi-line subscript
\Sp ... \endSp	multi-line superscript
\text#1	text within formula
\intertext#1	text between lines
\foldedtext#1	lines of text in formula
\topfoldedtext#1	top-aligned folded text
\botfoldedtext#1	bottom-aligned folded text
\foldedwidth{\dimen}	set width of folded text
\allowdisplaybreak	allow page break after line
\allowdisplaybreaks	allow page breaks after any line
\displaybreak	force page break after line
\vspace{\dimen}	extra space between two lines
\spreadlines{\dimen}	extra space between every line
\spreadmatrixlines{\dimen}	same for a matrix
\jot	unit of vertical space
\tag#1	tag for a formula
\thetag#1	refer to tag in current style
\tag**"	tag exactly as specified

Matrices

\matrix ... \endmatrix	matrix alignment
\pmatrix ... \endpmatrix	matrix with parentheses
\bmatrix ... \endbmatrix	matrix with brackets
\vmatrix ... \endvmatrix	matrix with vertical lines
\Vmatrixt ... \endVmatrixt	matrix with double vertical lines
\smallmatrix ... \endsmallmatrix	small matrix
\format	specify a format for a matrix
\c \l \r	format entry center, left, right

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