

Mac Way

January 16, 2004✱

Apple Symbols
Adam T. Lindsay
Lancaster University

This Mac-specific My Way documents some fonts available exclusively on MacOSX 10.3, "Panther," and makes them available to Mac users with fairly minimal installation effort. I do not distribute the fonts themselves.

1 Introduction

This Mac-specific My Way documents some fonts available exclusively on Mac-OSX 10.3, “Panther,” and makes them available to Mac users with fairly minimal installation effort. I do not distribute the fonts themselves.¹

The fonts in question are `Apple Symbols.ttf` and `LucidaGrande.dfont`. The first is a generic font that makes available many of the symbolic/non-linguistic characters from the UNICODE character set, and the second is a large UNICODE font, optimised for screen viewing, with many additional Macintosh-specific font glyphs.

2 Installation

Installation is fairly simple, as long as you have a modicum of knowledge of the Terminal. Start by downloading (⌘-click in Safari) the package `symb-mac.tar.gz`,² and note where your download directory is. Go to the Terminal and change directory to wherever you keep your T_EX local changes. That may be `~/Library/texmf` or `/usr/local/tEX/texmf.local`. Once there, type:

```
tar xzvf /path/to/downloaded/symb-mac.tar
```

If that directory is not writeable, you will get some error messages, and will need to precede all of the commands in this section with `sudo`, and enter your password occasionally.

Assuming all goes well, the files should be installed on your machine, along with an alias to the `Apple Symbols.ttf` font, which PDF_TE_X should be able to read directly. `LucidaGrande` is in a format that PDF_TE_X cannot currently read, so you must convert the format manually.³ For this, we need George Williams’ `fondu`⁴ utility, perhaps the Mac T_EXer’s best friend. From the directory where you just installed the `symb-mac` package, type:

```
cd fonts/truetype/apple/lucidagrande
fondu /System/Library/LucidaGrande.dfont
ls
```

At this point, you should see both `LucidaGrande.ttf` and `LucidaGrandeBold.ttf` listed in that folder. Finish the installation by letting T_EX know where the new files are:

```
texhash
```

¹ Nor will I respond to requests for them. Sorry, but I do need to respect Apple’s intellectual property.

² from <http://homepage.mac.com/atl/tex>

³ I leave it up to your conscience whether this local font conversion is legal and/or ethical.

⁴ downloadable from <http://fond_u.sourceforge.net/>

3 Usage

The fonts that are now installed can serve two purposes: there is a large set of UNICODE symbols enabled by the fonts, and there are Mac-specific symbols that may be useful for typesetting Macintosh documentation.

3.1 Unicode Symbols

The first usage of these fonts was to complement the `symb-uni.zip`⁵ `CONTEXT` package, not only linking UNICODE glyphs with `CONTEXT` symbolsets, but making the glyphs available so that Mac users can actually use these symbolsets in their documents.

To setup your document for the UNICODE symbols, load the symbol file, the map file, and make the appropriate font synonyms:

```
\usesymbols [uni]
\loadmapfile[unicode-apple-applesymbols]
\definefontsynonym[UnicodeRegular20] [applesymbols20xx-AppleSymbols]
\definefontsynonym[UnicodeRegular21] [applesymbols21xx-AppleSymbols]
\definefontsynonym[UnicodeRegular24] [applesymbols24xx-AppleSymbols]
\definefontsynonym[UnicodeRegular25] [applesymbols25xx-AppleSymbols]
\definefontsynonym[UnicodeRegular26] [applesymbols26xx-AppleSymbols]
\definefontsynonym[UnicodeRegular27] [lucidasans27xx-LucidaSansRegular]
```

To actually place these symbols in your documents, follow the instructions in `UnicodeSymbols.pdf`.⁶

3.2 Mac-Specific Symbols

Once the fonts were installed for UNICODE purposes, I started examining the glyphs that were left over. There were a myriad of interesting glyphs related to the Macintosh keyboard, historical Apple hardware, multimedia, and other miscellany. However, there are few ways of automating the creation of encodings (groups of 256 named glyphs) or of symbol sets, so these had to be created largely by hand.

To use the Mac symbols, load the `symb-mac` file with:

```
\usesymbols [mac]
```

By loading the symbols this way, the map files are loaded and the appropriate font synonyms are created in the header of that file, so no other commands are needed. However, as the map files are loaded at the time `\usesymbols` is called, be sure to call this before the first page is shipped out, ideally in the document's header.

⁵ from <http://homepage.mac.com/atl/tex>

⁶ from <http://homepage.mac.com/atl/tex>

From there, you can call the symbols like any other:

Some headphones: `\symbol[Apple Audio][Headphones]`













Some headphones: 

4 Help wanted













Naming things is hard, and this axiom applies to these signs and symbols. I've tried my hardest to name the symbols accurately, but it's fairly labour intensive and there are fairly obscure symbols. So, if there are enthusiastic Mac users willing to fill in the gaps with these glyphs, please, contributions are appreciated. Send contributions to the CONTEXT mailing list or to `at1@comp.lancs.ac.uk`.

5 Apple Symbol Examples













Apple Cursor Keys

			
DownArrowKey	LeftArrowKey	RightArrowKey	UpArrowKey
			
PageUp	PageDown	Home	End
			
DownArrowKeyDashed	LeftArrowKeyDashed	RightArrowKeyDashed	UpArrowKeyDashed


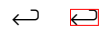










Apple Cursor Keys 2

			
LeftArrowKey	UpArrowKey	RightArrowKey	DownArrowKey
			
PageUp	PageDown	Home	End
			
LeftArrowKeyDashed	UpArrowKeyDashed	RightArrowKeyDashed	DownArrowKeyDashed












Apple Cursor Keys Bold

			
LeftArrowKey	UpArrowKey	RightArrowKey	DownArrowKey
			
PageUp	PageDown	Home	End
			
LeftArrowKeyDashed	UpArrowKeyDashed	RightArrowKeyDashed	DownArrowKeyDashed













Apple Control Keys

				
Enter	CarriageReturn	Tab	TabLeft	PowerOn
				
Escape	Eject	ForwardDelete	BackDelete	ForwardDeleteItalic
				
Clear	Space			












Apple Control Keys 2

				
Enter	CarriageReturn	CarriageReturnRight	Tab	TabLeft
				
PowerOn	Escape	Eject	ForwardDelete	BackDelete
				
Clear	Space			





Apple Control Keys Bold

				
Enter	CarriageReturn	CarriageReturnRight	Tab	TabLeft
				
PowerOn	Escape	Eject	ForwardDelete	BackDelete
				
Clear	Space			



Apple Alt Control Keys

 EnterAlt	 EnterAlt2	 ControlIso	 OptionIso
 OptionAlt	 ClearAlt	 CarriageReturnAlt	 CarriageReturnRightAlt
 LineBreakLeft	 LineBreakRight	 NonBreakingSpace	






Apple Modifier Keys

 Shift	 Capslock	 Control	 Command	 Option
---	--	---	---	--
















Apple Modifier Keys 2

 Shift	 Capslock	 Control	 Command	 Option
---	--	---	---	--
















Apple Modifier Keys Bold

 Shift	 Capslock	 Control	 Command	 Option
---	--	---	---	--



































Apple Function Keys

 F1	 F2	 F3	 F4	 F5
 F6	 F7	 F8	 F9	 F10
 F11	 F12	 F13	 F14	 F15



































Apple Function Keys Bold

 F1	 F2	 F3	 F4	 F5
 F6	 F7	 F8	 F9	 F10
 F11	 F12	 F13	 F14	 F15































Apple Number Keys

 	 	 	 	 
Boxed0	Boxed1	Boxed2	Boxed3	Boxed4
 	 	 	 	 
Boxed5	Boxed6	Boxed7	Boxed8	Boxed9
 	 	 	 	 
BoxedAsterisk	BoxedPlus	BoxedSpace	BoxedMinus	BoxedPeriod
 	 			
BoxedSlash	BoxedEquals			

Apple Number Keys Bold

 	 	 	 	 
Boxed0	Boxed1	Boxed2	Boxed3	Boxed4
 	 	 	 	 
Boxed5	Boxed6	Boxed7	Boxed8	Boxed9
 	 	 	 	 
BoxedAsterisk	BoxedPlus	BoxedSpace	BoxedMinus	BoxedPeriod
 	 			
BoxedSlash	BoxedEquals			

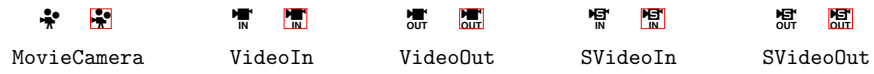
Apple Printing

 	 	 	 	 
PaperJam	PaperFeed	PaperFeed2	PaperFeed3	Toner
 	 	 	 	 
Portrait	Landscape	Paper1	Paper2	Paper3
 	 	 	 	 
Paper4	Paper5	Envelope	Envelope2	EnvelopeSealed

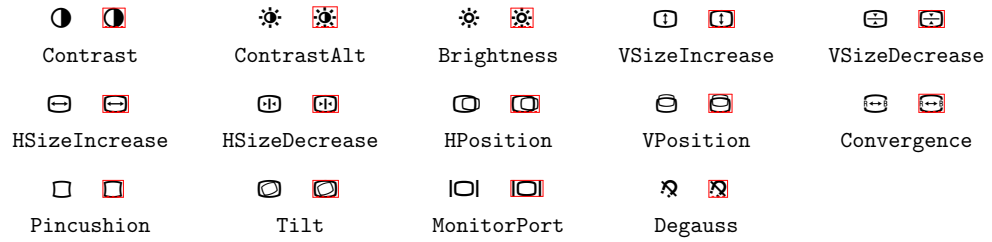
Apple Audio

 	 	 	 	 
LineIn	LineInAlt	Headphones	MicrophoneWhite	MicrophoneMute
 	 	 	 	 
MicrophoneActive	SpeakerHigh	SpeakerMedium	SpeakerLow	SpeakerMute

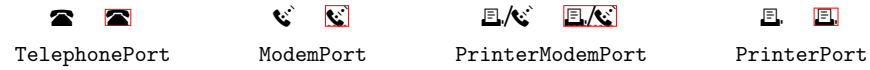
Apple Video



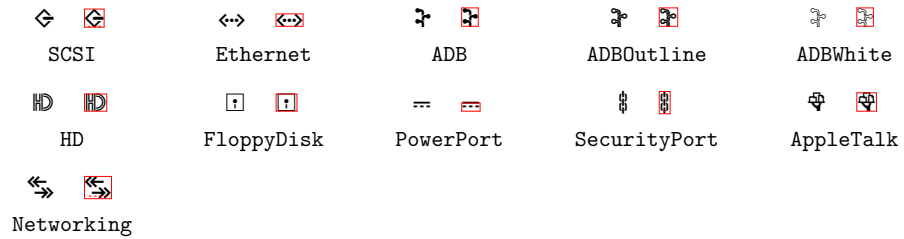
Apple Monitors



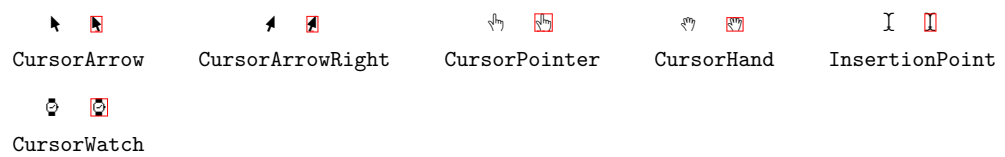
Apple Communications



Apple Peripherals



Apple Cursors



Apple Power and Battery

PowerOn	PowerOnBold	Sleep	Reset	Interrupt
PowerGround	Battery	BatteryCells	BatteryDisconnect	BatteryConnect
BatteryWhite	BatteryWarning	PowerSwitchOld		

Apple Help

HelpWhite	BalloonHelp	AppleGuide	ClassicMacQuestion	HelpDiamond
HelpCircle				

Apple Logo

Apple	AppleWhite	AppleLarge	AppleStriped

Apple Newton

NewtonLogo93	NewtonLogo97	NewtonUndo	NewtonExtras	NewtonDates
NewtonNames				

Apple Warning

FragileUpDry	ThisEndUp	MagneticFields	Shock	Warning
Restriction	Hazardous			

Apple Miscellaneous

CropMark	CropMark2	VerticalLine	EmptyCircle	Lock
Text	Keyboard	NumericKeyboard	Find	QuickTime
BiohazardAlt	RecycleAlt	UnnamedMisc00	UnnamedMisc01	UnnamedMisc02
UnnamedMisc03	UnnamedMisc04	UnnamedMisc05	UnnamedMisc06	UnnamedMisc07
UnnamedMisc08	UnnamedMisc09	UnnamedMisc10		

Apple Miscellaneous 2

Pencil	PencilRight	Telephone	Fax	EuroLarge
Euro	Check	DiagonalFill	ContextualMenu	

































Apple Block Elements

UnnamedBlock01	UnnamedBlock02	UnnamedBlock03	UnnamedBlock04	UnnamedBlock05
UnnamedBlock06	UnnamedBlock07	UnnamedBlock08	UnnamedBlock09	UnnamedBlock10
UnnamedBlock11	UnnamedBlock12			












































Apple Geometric Shapes

BlackSquare	WhiteSquare	SmallBlackSquare	SmallWhiteSquare
SmallBlackTriangle	LargeBlackTriangleRight	BlackTriangleRight	WhiteTriangleRight
LargeBlackTriangleDown	BlackTriangleDown	WhiteTriangleDown	ResetTriangle
BlackDiamond	WhiteDiamond	BlackCircle	WhiteCircle





















Apple Geometric Shapes Bold

 	 	 	 
BlackSquare	WhiteSquare	SmallBlackSquare	SmallWhiteSquare
 	 	 	 
SmallBlackTriangle	LargeBlackTriangleRight	BlackTriangleRight	WhiteTriangleRight
 	 	 	 
LargeBlackTriangleDown	BlackTriangleDown	WhiteTriangleDown	ResetTriangle
 	 	 	 
BlackDiamond	WhiteDiamond	BlackCircle	WhiteCircle































































Apple Geometric Shapes 2

 	 	 	 	 
UnnamedShape01	UnnamedShape02	UnnamedShape03	UnnamedShape04	UnnamedShape05
 	 	 	 	 
UnnamedShape06	UnnamedShape07	UnnamedShape08	UnnamedShape09	UnnamedShape10
 	 	 	 	 
UnnamedShape11	UnnamedShape12	UnnamedShape13	UnnamedShape14	UnnamedShape15
 	 	 	 	 
UnnamedShape16	UnnamedShape17	UnnamedShape18	UnnamedShape19	UnnamedShape20
 	 	 	 	 
UnnamedShape21	UnnamedShape22	UnnamedShape23	UnnamedShape24	

Apple Arrows

 	 	 	 	 
UnnamedArrow01	UnnamedArrow02	UnnamedArrow03	UnnamedArrow04	UnnamedArrow05
 	 	 	 	 
UnnamedArrow06	UnnamedArrow07	UnnamedArrow08	UnnamedArrow09	UnnamedArrow10

Unicode Chart Forms

					
EnQuad		EmQuad		EnSpace	
					
EmSpace		ThreePerEmSpace		FourPerEmSpace	
					
SixPerEmSpace		FigureSpace		PunctuationSpace	
					
ThinSpace		HairSpace		ZeroWidthSpace	
					
ZeroWidthNonJoiner		ZeroWidthJoiner		LeftToRightMark	
					
RightToLeftMark		NonBreakingHyphen		LineSeparator	
					
ParagraphSeparator		LeftToRightEmbedding		RightToLeftEmbedding	
					
PopDirectionalFormatting		LeftToRightOverride		RightToLeftOverride	
					
NarrowNoBreakSpace		InhibitSymmetricSwapping		ActivateSymmetricSwapping	
					
InhibitArabicFormShaping		ActivateArabicFormShaping		NationalDigitShapes	
					
NominalDigitShapes					

source code of this document

```

\usemodule[mag-01]
\usemodule[abr-02]

\startbuffer[inputmac]
\usesymbols[mac]
\stopbuffer
\getbuffer[inputmac]

\definebodyfont [10pt] [rm] [tfe=LucidaGrandeSymbols sa 2.5]
\setvariables
  [magazine]
  [title={Apple Symbols},
  author=Adam T.\ Lindsay,
  affiliation=Lancaster University,
  main={Mac Way},
  date={\currentdate {\tfe\char82}}]
\startbuffer[abstract]
  This Mac|_|specific My Way documents some fonts available exclusively
  on Mac|*|OS|*|X 10.3, ‘‘Panther,’’ and makes them available to Mac
  users
  with fairly minimal installation effort. I do not distribute the fonts
  themselves.
\stopbuffer

\def\HOME{\hyphenatedurl{http://homepage.mac.com/atl/tex}}
\setuphead[subject] [alternative=middle]

\startbuffer[inputuni]
\usesymbols [uni]
\loadmapfile[unicode-apple-applesymbols]
\definefontsynonym[UnicodeRegular20] [applesymbols20xx-AppleSymbols]
\definefontsynonym[UnicodeRegular21] [applesymbols21xx-AppleSymbols]
\definefontsynonym[UnicodeRegular24] [applesymbols24xx-AppleSymbols]
\definefontsynonym[UnicodeRegular25] [applesymbols25xx-AppleSymbols]
\definefontsynonym[UnicodeRegular26] [applesymbols26xx-AppleSymbols]
\definefontsynonym[UnicodeRegular27] [lucidasans27xx-LucidaSansRegular]
\stopbuffer
\getbuffer[inputuni]

\starttext \setups [titlepage] \setups [title]

\section{Introduction}

```

source code of this document

This Mac-specific My Way documents some fonts available exclusively on Mac OS X 10.3, ‘Panther,’ and makes them available to Mac users

with fairly minimal installation effort. I do not distribute the fonts themselves. `\footnote{Nor will I respond to requests for them. Sorry, but I do need to respect Apple’s intellectual property.}`

The fonts in question are `\type{Apple Symbols.ttf}` and `\type{LucidaGrande.dfont}`. The first is a generic font that makes available many of the symbolic/non-linguistic characters from the `\UNICODE` character set, and the second is a large `\UNICODE` font, optimised for screen viewing, with many additional Macintosh-specific font glyphs.

`\section{Installation}`

Installation is fairly simple, as long as you have a modicum of knowledge of the Terminal. Start by downloading (`\symbol[Apple Modifier Keys 2][Option]-click` in Safari) the package `\type{symb-mac.tar.gz}`, `\footnote{from \HOME}` and

note where your download directory is. Go to the Terminal and change directory to wherever you keep your `\TEX` local changes. That may be `\type{~/Library/texmf}` or `\type{/usr/local/teTeX/texmf.local}`. Once there, type:

```
\starttyping
tar xzvf /path/to/downloaded/symb-mac.tar
\stoptyping
```

If that directory is not writeable, you will get some error messages, and will need to precede all of the commands in this section with `\type{sudo}`, and enter your password occasionally.

Assuming all goes well, the files should be installed on your machine, along with an alias to the `\type{Apple Symbols.ttf}` font, which `\PDFTEX` should be able to read directly. `\type{LucidaGrande}` is in a format that `\PDFTEX` cannot currently read, so you must convert the format manually. `\footnote{I leave it up to your conscience whether this local font conversion is legal and/or ethical.}` For this, we need George Williams’ `\type{fondu}` `\footnote{downloadable from \hyphenatedurl{http://fondu.sourceforge.net/}}` utility, perhaps the Mac `\TEX` er’s best friend. From the directory where you just installed the `\type{symb-mac}` package, type:

source code of this document

```
\starttyping
cd fonts/truetype/apple/lucidagrande
fondu /System/Library/LucidaGrande.dfont
ls
```

```
\stoptyping
```

At this point, you should see both `\type{LucidaGrande.ttf}` and `\type{LucidaGrandeBold.ttf}` listed in that folder. Finish the installation by letting `\TEX` know where the new files are:

```
\starttyping
texhash
\stoptyping
```

```
\section{Usage}
```

The fonts that are now installed can serve two purposes: there is a large set of `\UNICODE` symbols enabled by the fonts, and there are Mac|-|specific symbols that may be useful for typesetting Macintosh documentation.

```
\subsection{Unicode Symbols}
```

The first usage of these fonts was to complement the `\type{symb-uni.zip}``\footnote{from \HOME} \CONTEXT` package, not only linking `\UNICODE` glyphs with `\CONTEXT` symbolsets, but making the glyphs available so that Mac users can actually use these symbolsets in their documents.

To setup your document for the `\UNICODE` symbols, load the symbol file, the map file, and make the appropriate font synonyms:

```
\typebuffer[inputuni]
```

To actually place these symbols in your documents, follow the instructions in `\type{UnicodeSymbols.pdf}``\footnote{from \HOME}`

```
\subsection{Mac|-|Specific Symbols}
```

Once the fonts were installed for `\UNICODE` purposes, I started examining the glyphs that were left over. There were a myriad of interesting glyphs related to the Macintosh keyboard, historical Apple hardware, multimedia, and other miscellany. However, there are few ways

source code of this document

of automating the creation of encodings (groups of 256 named glyphs) or of symbol sets, so these had to be created largely by hand.

To use the Mac symbols, load the `\type{symb-mac}` file with:

```
\starttyping
\usesymbols[mac]
\stoptyping
```

By loading the symbols this way, the map files are loaded and the appropriate font synonyms are created in the header of that file, so no other commands are needed. However, as the map files are loaded at the time `\type{\usesymbols}` is called, be sure to call this before the first page is shipped out, ideally in the document's header.

From there, you can call the symbols like any other:

```
\startbuffer
Some headphones: \symbol[Apple Audio][Headphones]
\stopbuffer
\typebuffer \getbuffer
```

```
\section{Help wanted}
```

Naming things is hard, and this axiom applies to these signs and symbols. I've tried my hardest to name the symbols accurately, but it's

fairly labour intensive and there are fairly obscure symbols. So, if there are enthusiastic Mac users willing to fill in the gaps with these glyphs, please, contributions are appreciated. Send contributions to the

```
\CONTEXT\ mailing list or to \type{atl@comp.lancs.ac.uk}.
```

```
\section{Apple Symbol Examples}
\subject{Apple Cursor Keys}
\showsymbolset [Apple Cursor Keys] [n=4]
\subject{Apple Cursor Keys 2}
\showsymbolset [Apple Cursor Keys 2] [n=4]
\subject{Apple Cursor Keys Bold}
\showsymbolset [Apple Cursor Keys Bold] [n=4]
\subject{Apple Control Keys}
\showsymbolset [Apple Control Keys]
\subject{Apple Control Keys 2}
\showsymbolset [Apple Control Keys 2]
\subject{Apple Control Keys Bold}
\showsymbolset [Apple Control Keys Bold]
```


source code of this document

```

\subject{Apple Alt Control Keys}
\showsymbolset [Apple Alt Control Keys] [n=4]
\subject{Apple Modifier Keys}
\showsymbolset [Apple Modifier Keys]
\subject{Apple Modifier Keys 2}
\showsymbolset [Apple Modifier Keys 2]
\subject{Apple Modifier Keys Bold}
\showsymbolset [Apple Modifier Keys Bold]
\subject{Apple Function Keys}
\showsymbolset [Apple Function Keys]
\subject{Apple Function Keys Bold}
\showsymbolset [Apple Function Keys Bold]
\subject{Apple Number Keys}
\showsymbolset [Apple Number Keys]
\subject{Apple Number Keys Bold}
\showsymbolset [Apple Number Keys Bold]
\subject{Apple Printing}
\showsymbolset [Apple Printing]
\subject{Apple Audio}
\showsymbolset [Apple Audio]
\subject{Apple Video}
\showsymbolset [Apple Video]
\subject{Apple Monitors}
\showsymbolset [Apple Monitors]
\subject{Apple Communications}
\showsymbolset [Apple Communications] [n=4]
\subject{Apple Peripherals}
\showsymbolset [Apple Peripherals]
\subject{Apple Cursors}
\showsymbolset [Apple Cursors]
\subject{Apple Power and Battery}
\showsymbolset [Apple Power and Battery]
\subject{Apple Help}
\showsymbolset [Apple Help]
\subject{Apple Logo}
\showsymbolset [Apple Logo] [n=4]
\subject{Apple Newton}
\showsymbolset [Apple Newton]
\subject{Apple Warning}
\showsymbolset [Apple Warning]
\subject{Apple Miscellaneous}
\showsymbolset [Apple Miscellaneous]
\subject{Apple Miscellaneous 2}
\showsymbolset [Apple Miscellaneous 2]

```

source code of this document

```
\subject{Apple Block Elements}
\showsymbolset [Apple Block Elements]
\subject{Apple Geometric Shapes}
\showsymbolset [Apple Geometric Shapes] [n=4]
\subject{Apple Geometric Shapes Bold}
\showsymbolset [Apple Geometric Shapes Bold] [n=4]
\subject{Apple Geometric Shapes 2}
\showsymbolset [Apple Geometric Shapes 2]
\subject{Apple Arrows}
\showsymbolset [Apple Arrows]
\subject{Unicode Chart Forms}
\showsymbolset [Unicode Chart Forms] [n=3]

\setups [listing] \setups [lastpage] \stoptext
```

source code of this document

