The `casiofont` package

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This package provides support for the Casio ClassWiz font, available from the Casio web site. The font itself is *not* included in the distribution. This package arose out of a question on Stackexchange: Easiest way to create TeX macro/code to access symbols from particular font? The package requires compilation with XeLaTeX or LuaLaTeX.

Installation

MikTeX The package is included in MikTeX and should be installed normally using the MikTeX package manager if it is not already installed.

TeX Live Because TeX Live has much stricter licensing requirements, the package is not included in TeX Live because it provides support for a non-free (in the Free Software sense) font. You must therefore install the package yourself in your local `texmf` directory. To do this make two directories (folders): `texmf/tex/latex/casiofont` and `texmf/doc/casiofont`. Put `casiofont.sty` into the `texmf/tex/latex/casiofont` directory, and `casiofont.pdf` into the `texmf/doc/casiofont` directory.

Support

The package is hosted at GitHub. I welcome suggestions for better names, since I don't use the calculator myself. Thanks to Chen Stats Yu for giving names to the unknown characters in version 1.0.

Character commands (roughly sorted)

Table 1: Calculator Functions

\casioAC	AC	\Alpha	ALPHA	\Ans	Ans
\Calc	CALC	\casioAC	AC	\Eng	ENG
\LineFrac	⌞	\Menu	MENU	\MixedFrac	(a b/c ↔ d/c)
\Mminus	(M-)	\Mplus	M+	\Optn	OPTN
\Setup	(SETUP)	\Simp	Simp	\Sto	STO

Table 2: Movement and arrows

\BackArrow	(←)	\DownArrow	▼	\LeftArrow	◀
\RightArrow	▶	\UpArrow	▲	\Shift	SHIFT
\Del	DEL				

Table 3: Mathematical Functions

\Abs	Abs	\casioCos	cos		
\casioLn	ln	\casioLog	log	\casioSin	sin
\casioTan	tan	\InverseCos	(cos⁻¹)	\InverseSin	(sin⁻¹)
\InverseTan	(tan⁻¹)	\logParen	(log)	\Sen	sen

Table 4: Calculus

\casioIntegral	∫	\casioProd	(Π)	\casioSum	(Σ)
\dydx	(d/dx)				

Table 5: Roots and Exponents

\Cube	x^3	\CubeParen	(x^3)	\CubeRoot	$(\sqrt[3]{\ })$
\eExp	$(e^{\ })$	\nExp	$x^{\ }$	\nLog	$\log_{\ }(\ )$
\nRoot	$(\sqrt[\ ]{\ })$	\nTen	$(10^{\ })$	\SquareRoot	$\sqrt{\ }$

Table 6: Misc Math Functions

\Factorial	$x!$	\Inverse	x^{-1}	\InverseParen	(x^{-1})
\xTenx	$\times 10^x$	\divR	÷R		

Table 7: Basic Math Operators

\Divide	÷	\Equal	=	\Minus	−
\Percent	(%)	\Plus	+	\Sim	(≃)
\Times	×				

Table 8: Variables and constants

\casioPi	π	\casioX	x	\casioY	y	\iParen	i

Table 9: Other Symbols

\InverseParen	x^{-1}	\angleParen	$\angle$	\casioComma	,
\casioDblParen	$(\blacksquare)$	\casioDot	$\cdot$	\casioLParen	(
\casioObar	$\bar{\blacksquare}$	\casioOdot	$\dot{\blacksquare}$	\casioRParen	)
\CommaParen	(,)	\DegRadGrad	°,„		

Table 10: Fractions

\Frac	$\frac{\square}{\square}$	\FracMult	$\blacksquare\square$

Table 11: Digits

\Zero	0	\One	1	\Two	2
\Three	3	\Four	4	\Five	5
\Six	6	\Seven	7	\Eight	8
\Nine	9				

Table 12: CJK Keys

\CJKMenu	菜单	\CJKOn	开机

Table 13: Alphabetical List

\Abs	Abs	\Cube	x^3	\minusParen	(−)
\Alpha	ALPHA	\CubeParen	(x^3)	\MixedFrac	$(a\frac{b}{c}\leftrightarrow\frac{d}{c})$
\angleParen	(∠)	\CubeRoot	$(\sqrt[3]{\blacksquare})$	\Mminus	(M-)
\Ans	Ans	\DegRadGrad	°,,,	\Mplus	M+
\BackArrow	(←)	\Del	DEL	\nExp	$x^{\blacksquare}$
\Calc	CALC	\Divide	÷	\Nine	9
\casioAbs	(Abs)	\divR	÷R	\nLog	$\log_{\blacksquare}$
\casioAC	AC	\DownArrow	▼	\nRoot	$(\sqrt[\blacksquare]{\square})$
\casioComma	,	\dydx	$(\frac{d}{dx}\blacksquare)$	\nTen	$(10^{\blacksquare})$
\casioCos	cos	\eExp	$(e^{\blacksquare})$	\One	1
\casioDblParen	((■))	\Eight	8	\Optn	OPTN
\casioDot	·	\Eng	ENG	\Percent	(%)
\casioIntegral	$\int_{\blacksquare}^{\blacksquare}$	\Equal	=	\Plus	+
\casioLn	ln	\Factorial	$x!$	\RightArrow	▶
\casioLog	log	\Five	5	\Sen	sen
\casioLParen	(	\Four	4	\Setup	(SETUP)
\casioObar	$(\overline{\blacksquare})$	\Frac	$\frac{\blacksquare}{\blacksquare}$	\Seven	7
\casioOdot	$(\dot{\blacksquare})$	\FracMult	(■/■)	\Shift	SHIFT
\casioPi	(π)	\Inverse	x^{-1}	\Sim	(≃)
\casioProd	$(\prod_{\blacksquare}^{\blacksquare})$	\InverseCos	$(\cos^{-1})$	\Simp	Simp
\casioRParen	)	\InverseParen	(x^{-1})	\Six	6
\casioSin	sin	\InverseSin	$(\sin^{-1})$	\SquareRoot	√■
\casioSum	$(\sum_{\blacksquare}^{\blacksquare})$	\InverseTan	$(\tan^{-1})$	\Sto	STO
\casioTan	tan	\iParen	(i)	\switchMixedFrac	S⇔D
\casioX	x	\LeftArrow	◀	\Three	3
\casioY	y	\LineFrac	⌞	\Times	×
\CJKMenu	菜单	\logParen	(log)	\Two	2
\CJKOn	开机	\Menu	MENU	\UpArrow	▲
\CommaParen	(,)	\Minus	−	\xTenx	×10^x
				\Zero	0