

# The unicode-math test suite

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## Preamble

The following pieces of output are generated from the code shown. As well as being good minimal examples, these tests are useful to ensure that new bugs don't affect old behaviour. When the test suite is run, the new output is compared pixel by pixel with that shown here and warnings produced if the outputs are not identical.

### 1 Test 001a

```
\input{umtest-preamble}  
\usepackage[math-style=TeX]{unicode-math}  
\setmathfont{Cambria Math}  
\begin{document}  
\[\LATINtext\  
\[\latintext\  
\[\LATINmath\  
\[\latinmath\  
\end{document}
```

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*  
*abcdefghijklmnopqrstuvwxyz*  
*ABCDEFGHIJKLMNOPQRSTUVWXYZ*  
*abcdefghijklmnopqrstuvwxyz*

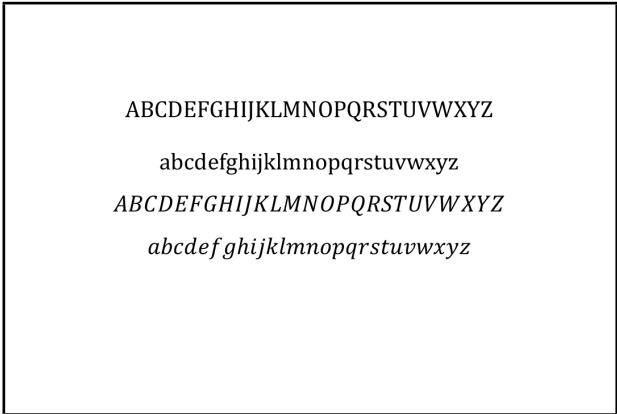
### 2 Test 001b

```
\input{umtest-preamble}  
\usepackage[math-style=ISO]{unicode-math}  
\setmathfont{Cambria Math}  
\begin{document}  
\[\LATINtext\  
\[\latintext\  
\[\LATINmath\  
\[\latinmath\  
\end{document}
```

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*  
*abcdefghijklmnopqrstuvwxyz*  
*ABCDEFGHIJKLMNOPQRSTUVWXYZ*  
*abcdefghijklmnopqrstuvwxyz*

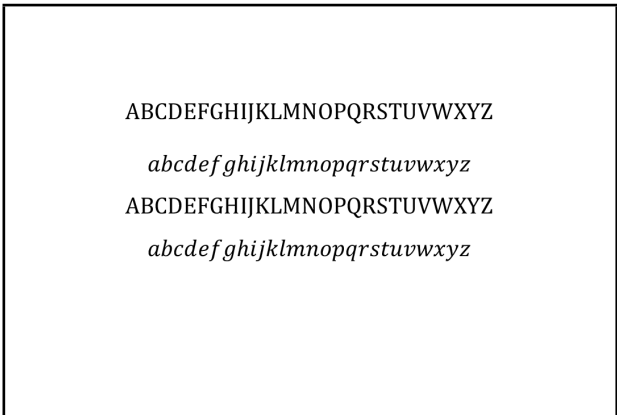
### 3 Test 001c

```
\input{umtest-preamble}
\usepackage[math-style=literal]{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\backslash\text{LATINtext}\]
\[\backslash\text{latinintext}\]
\[\backslash\text{LATINmath}\]
\[\backslash\text{latinmath}\]
\end{document}
```



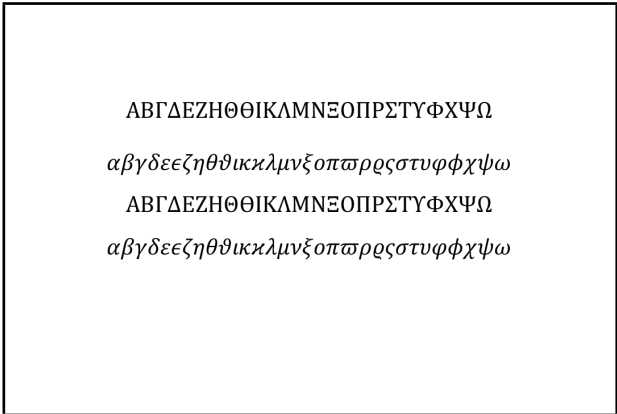
### 4 Test 001d

```
\input{umtest-preamble}
\usepackage[math-style=French]{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\backslash\text{LATINtext}\]
\[\backslash\text{latinintext}\]
\[\backslash\text{LATINmath}\]
\[\backslash\text{latinmath}\]
\end{document}
```



### 5 Test 002a

```
\input{umtest-preamble}
\usepackage[math-style=TeX]{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\backslash\text{GREEKtext}\]
\[\backslash\text{greektext}\]
\[\backslash\text{GREEKmath}\]
\[\backslash\text{greekmath}\]
\end{document}
```



## 6 Test 002b

```
\input{umtest-preamble}
\usepackage[math-style=ISO]{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\GREEKtext\]
\[\greektext\]
\[\GREEKmath\]
\[\greekmath\]
\end{document}
```

*ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ*  
*αβγδεεζηθικκλμνξοπρρςστυφφχψω*  
*ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ*  
*αβγδεεζηθικκλμνξοπρρςστυφφχψω*

## 7 Test 002c

```
\input{umtest-preamble}
\usepackage[math-style=literal]{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\GREEKtext\]
\[\greektext\]
\[\GREEKmath\]
\[\greekmath\]
\end{document}
```

*ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ*  
*αβγδεεζηθικκλμνξοπρρςστυφφχψω*  
*ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ*  
*αβγδεεζηθικκλμνξοπρρςστυφφχψω*

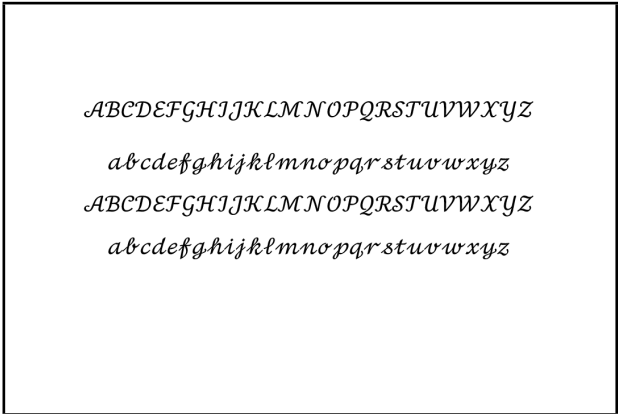
## 8 Test 002d

```
\input{umtest-preamble}
\usepackage[math-style=French]{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\GREEKtext\]
\[\greektext\]
\[\GREEKmath\]
\[\greekmath\]
\end{document}
```

*ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ*  
*αβγδεεζηθικκλμνξοπρρςστυφφχψω*  
*ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ*  
*αβγδεεζηθικκλμνξοπρρςστυφφχψω*

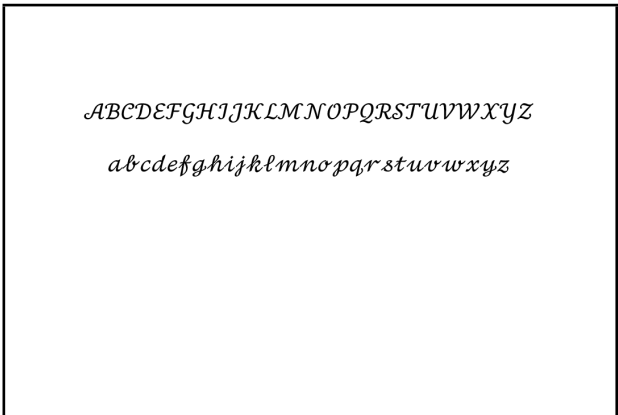
9 Test 010a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathscr{\text{LATINtext}}\]
\[\mathscr{\text{latintext}}\]
\[\mathscr{\text{LATINmath}}\]
\[\mathscr{\text{latinmath}}\]
\end{document}
```



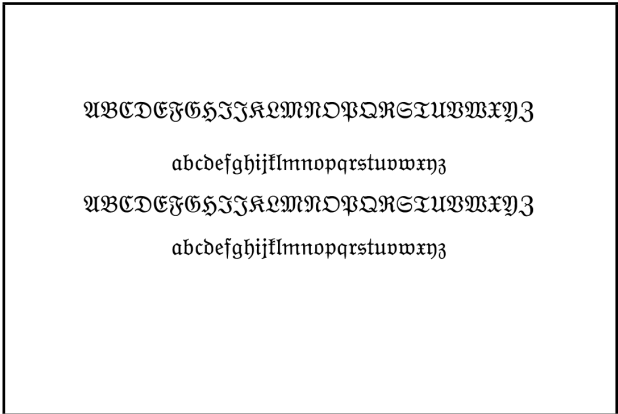
10 Test 010b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\text{LATINmathscr}\]
\[\text{latinmathscr}\]
\[\text{reservedmathscr}\]
\end{document}
```



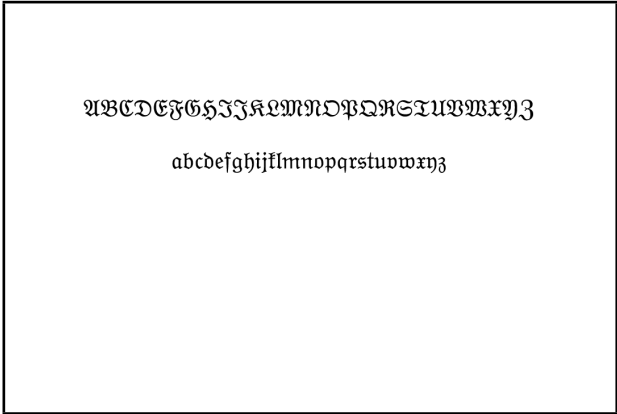
11 Test 010c

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathfrak{\text{LATINtext}}\]
\[\mathfrak{\text{latintext}}\]
\[\mathfrak{\text{LATINmath}}\]
\[\mathfrak{\text{latinmath}}\]
\end{document}
```



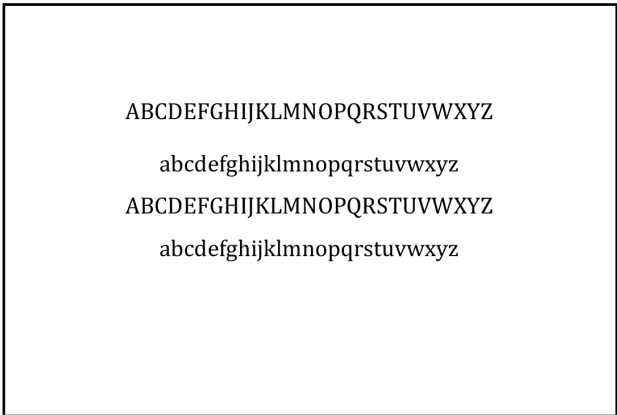
# 12 Test 010d

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\LATINmathfrak{\}
```



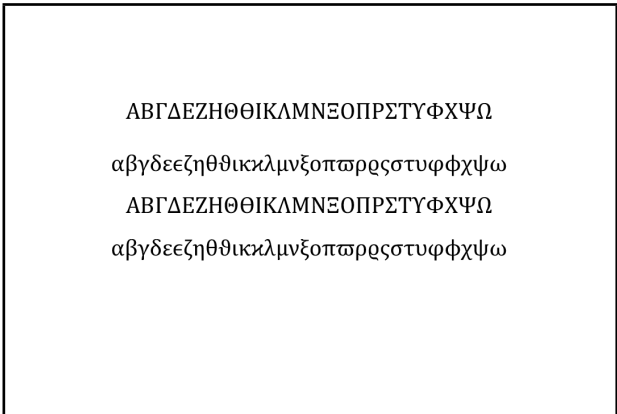
# 13 Test 011a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathup{\LATINtext}\]
```



# 14 Test 011b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathup{\GREEKtext}\]
```



## 15 Test 012a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathit{\text{LATINtext}}\]
\[\mathit{\text{latintext}}\]
\[\mathit{\text{LATINmath}}\]
\[\mathit{\text{latinmath}}\]
\end{document}
```

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

*abcdefghijklmnopqrstuvwxyz*

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

*abcdefghijklmnopqrstuvwxyz*

## 16 Test 012b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathit{\text{GREEKtext}}\]
\[\mathit{\text{greektext}}\]
\[\mathit{\text{GREEKmath}}\]
\[\mathit{\text{greekmath}}\]
\end{document}
```

*ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ*

*αβγδεζηθικλμνξοπρρςστυφφχψω*

*ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ*

*αβγδεζηθικλμνξοπρρςστυφφχψω*

## 17 Test 013a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbb{\text{LATINtext}}\]
\[\mathbb{\text{latintext}}\]
\[\mathbb{\text{LATINmath}}\]
\[\mathbb{\text{latinmath}}\]
\end{document}
```

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

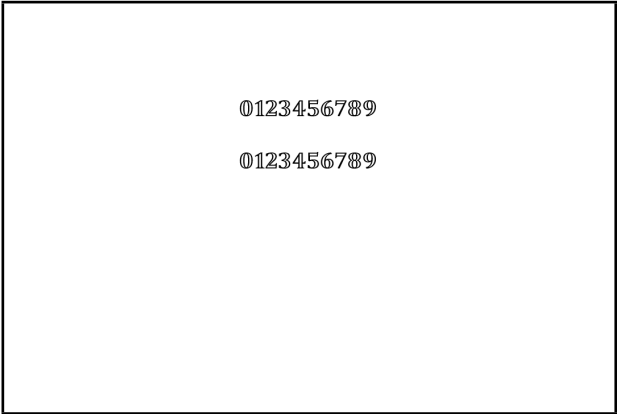
*abcdefghijklmnopqrstuvwxyz*

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

*abcdefghijklmnopqrstuvwxyz*

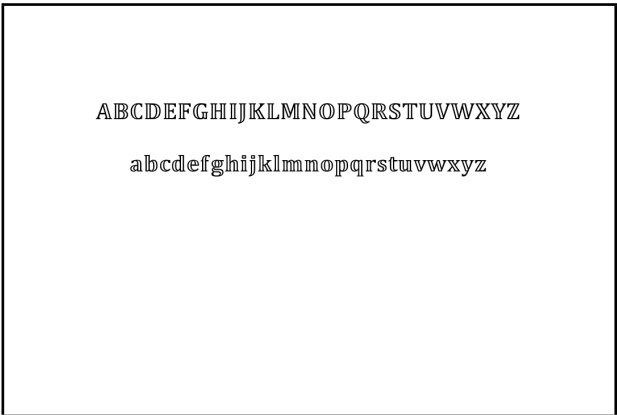
# 18 Test 013b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbb{0123456789}\]
\[\numbersmathbb{\}]
\end{document}
```



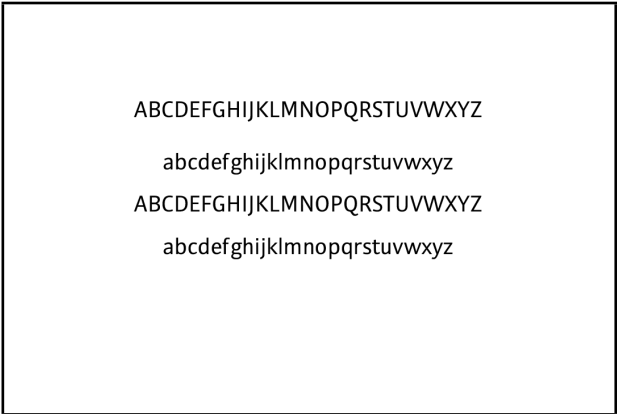
# 19 Test 013c

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbb{A}\]
\[\mathbb{a}\]
\[\mathbb{r}\]
\end{document}
```



# 20 Test 014a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathsf{A}\]
\[\mathsf{a}\]
\[\mathsf{A}\]
\[\mathsf{a}\]
\end{document}
```



21    Test 014b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathsfup{0123456789}\]
\[\numbersmathsfup\]
\end{document}
```

0123456789

0123456789

22    Test 014c

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\LATINmathsfup\]
\[\latinmathsfup\]
\end{document}
```

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

23    Test 015a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathsfit{\LATINtext}\]
\[\mathsfit{\latintext}\]
\[\mathsfit{\LATINmath}\]
\[\mathsfit{\latinmath}\]
\[\mathsfit{0123456789}\]
\end{document}
```

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

*abcdefghijklmnopqrstuvwxyz*

*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

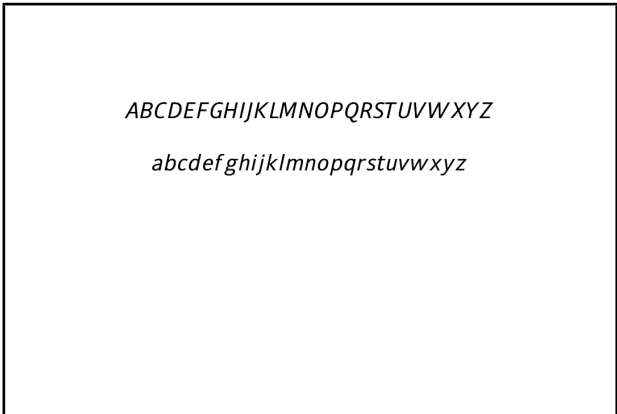
*abcdefghijklmnopqrstuvwxyz*

0123456789



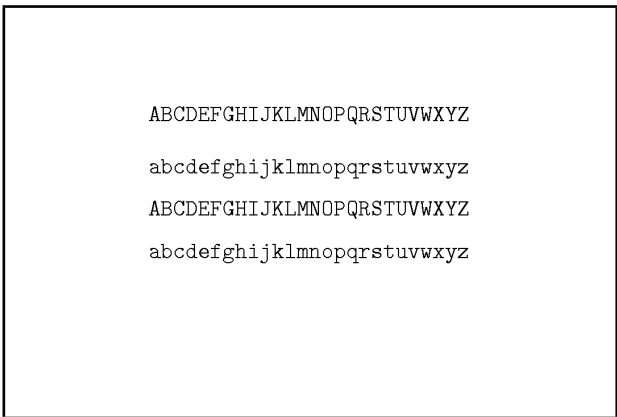
## 24 Test 015b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\text{\LATINmathsfit}\]
\[\text{\latinmathsfit}\]
\end{document}
```



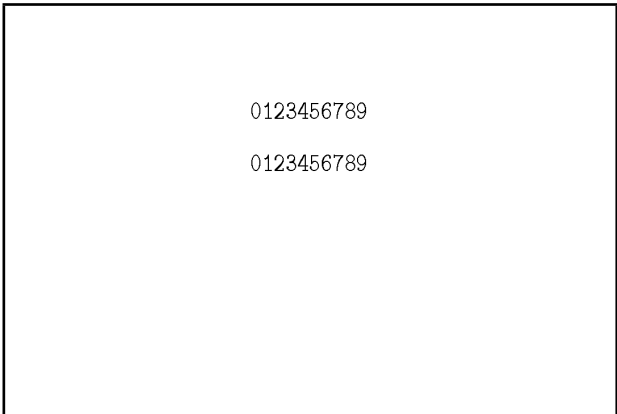
## 25 Test 016a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Asana Math}
\begin{document}
\[\text{\mathtt{\LATINtext}}\]
\[\text{\mathtt{\latintext}}\]
\[\text{\mathtt{\LATINmath}}\]
\[\text{\mathtt{\latinmath}}\]
\end{document}
```



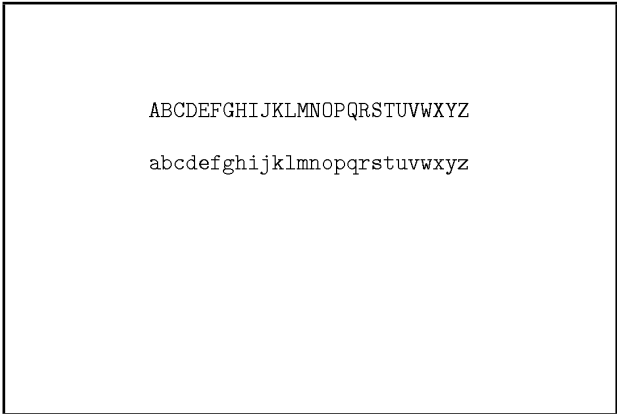
## 26 Test 016b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Asana Math}
\begin{document}
\[\text{\mathtt{0123456789}}\]
\[\text{\numbersmathtt}\]
\end{document}
```



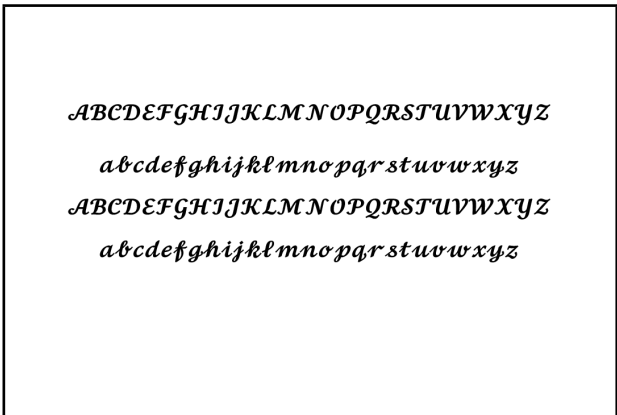
## 27 Test 016c

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Asana Math}
\begin{document}
\[\backslash\mathrm{LATINmath}\tt\backslash\]
\[\backslash\mathrm{latinmath}\tt\backslash\]
\end{document}
```



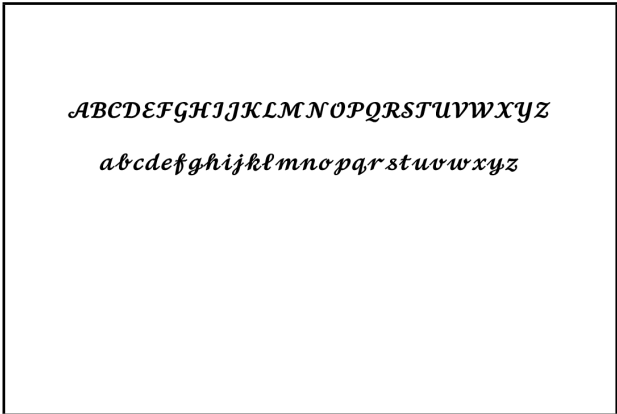
## 28 Test 017a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\backslash\mathbf{fscr}\backslash\mathrm{LATINtext}\backslash\]
\[\backslash\mathbf{fscr}\backslash\mathrm{latin}\text{t}\backslash\]
\[\backslash\mathbf{fscr}\backslash\mathrm{LATINmath}\backslash\]
\[\backslash\mathbf{fscr}\backslash\mathrm{latinmath}\backslash\]
\end{document}
```



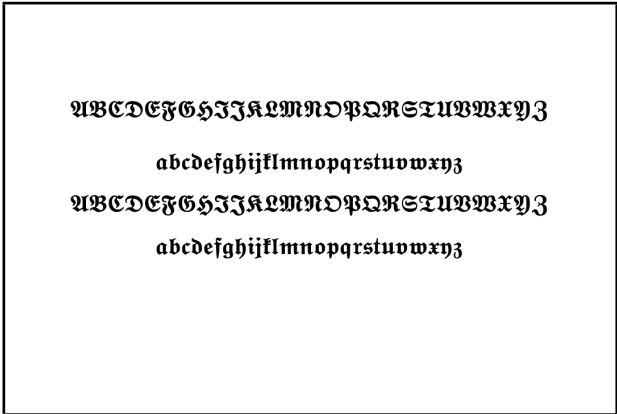
## 29 Test 017b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\backslash\mathrm{LATINmathbf}\fscr\backslash\]
\[\backslash\mathrm{latinmathbf}\fscr\backslash\]
\end{document}
```



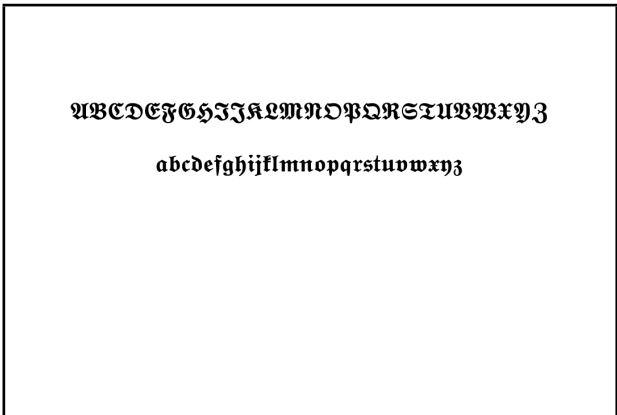
### 30 Test 017c

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbf{frak{\text{LATINtext}}}\]
\[\mathbf{frak{\text{latintext}}}\]
\[\mathbf{frak{\text{LATINmath}}}\]
\[\mathbf{frak{\text{latinmath}}}\]
\end{document}
```



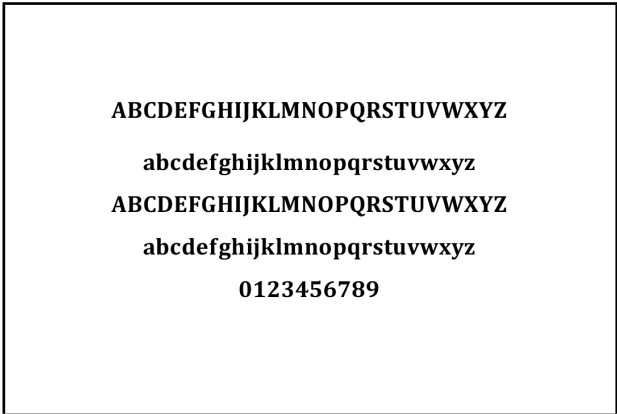
### 31 Test 017d

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\text{LATINmathbf{frak}}\]
\[\text{latinmathbf{frak}}\]
\end{document}
```



### 32 Test 018a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbf{fup{\text{LATINtext}}}\]
\[\mathbf{fup{\text{latintext}}}\]
\[\mathbf{fup{\text{LATINmath}}}\]
\[\mathbf{fup{\text{latinmath}}}\]
\[\mathbf{fup{0123456789}}\]
\end{document}
```



### 33 Test 018b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbfup{\GREEKtext}\]
\[\mathbfup{\greektext}\]
\[\mathbfup{\GREEKmath}\]
\[\mathbfup{\greekmath}\]
\end{document}
```

**ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ**  
**αβγδεεζηθθικκλμνξοππρρςστυφφχψω**  
**ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ**  
**αβγδεεζηθθικκλμνξοππρρςστυφφχψω**

### 34 Test 019a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbf{it}{\LATINtext}\]
\[\mathbf{it}{\latintext}\]
\[\mathbf{it}{\LATINmath}\]
\[\mathbf{it}{\latinmath}\]
\[\mathbf{it}{0123456789}\]
\end{document}
```

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
***abcdefghijklmnopqrstuvwxyz***  
**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
***abcdefghijklmnopqrstuvwxyz***  
**0123456789**

### 35 Test 019b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbf{it}{\GREEKtext}\]
\[\mathbf{it}{\greektext}\]
\[\mathbf{it}{\GREEKmath}\]
\[\mathbf{it}{\greekmath}\]
\end{document}
```

**ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ**  
**αβγδεεζηθθικκλμνξοππρρςστυφφχψω**  
**ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ**  
**αβγδεεζηθθικκλμνξοππρρςστυφφχψω**

## 36 Test 020a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbfsfit{\LATINText}\]
\[\mathbfsfit{\latintext}\]
\[\mathbfsfit{\LATINmath}\]
\[\mathbfsfit{\latinmath}\]
\[\mathbfsfit{0123456789}\]
\end{document}
```

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
***abcdefghijklmnopqrstuvxyz***  
**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
***abcdefghijklmnopqrstuvxyz***  
**0123456789**

## 37 Test 020b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{STIXGeneral-Bold}
\begin{document}
\[\mathbfsfup{\GREEKtext}\]
\[\mathbfsfup{\greektext}\]
\[\mathbfsfup{\GREEKmath}\]
\[\mathbfsfup{\greekmath}\]
\end{document}
```

**ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ**  
***αβγδεζηθδικλμνξοπρρςστυφχψω***  
**ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ**  
***αβγδεζηθδικλμνξοπρρςστυφχψω***

## 38 Test 021a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathbfsfit{\LATINText}\]
\[\mathbfsfit{\latintext}\]
\[\mathbfsfit{\LATINmath}\]
\[\mathbfsfit{\latinmath}\]
\[\mathbfsfit{0123456789}\]
\end{document}
```

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
***abcdefghijklmnopqrstuvxyz***  
**ABCDEFGHIJKLMNOPQRSTUVWXYZ**  
***abcdefghijklmnopqrstuvxyz***  
**0123456789**

## 39 Test 021b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{STIXGeneral-BoldItalic}
\begin{document}
\[\mathbfsfit{\GREEKtext}\]
\[\mathbfsfit{\greektext}\]
\[\mathbfsfit{\GREEKmath}\]
\[\mathbfsfit{\greekmath}\]
\end{document}
```

ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ  
αβγδεεζηθθικκλμνξοππρρςςττυφφχψω  
ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ  
αβγδεεζηθθικκλμνξοππρρςςττυφφχψω

## 40 Test 100a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[ \left( \left( \left( \left( \left( \left( x^2
      \right)^2 \right)^2 \right)^2 \right)^2 \right)^2 \right)
\end{document}
```

$$\left(\left(\left(\left(\left(\left(x^2\right)^2\right)^2\right)^2\right)^2\right)^2\right)$$

## 41 Test 100b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[ \left[ \left[ \left[ \left[ \left[ \left[ x^2
      \right]^2 \right]^2 \right]^2 \right]^2 \right]^2 \right]^2
\end{document}
```

$$\left[ \left[ \left[ \left[ \left[ x^2 \right]^2 \right]^2 \right]^2 \right]^2 \right]^2$$

## 42 Test 100c

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
[ \left\{ \left\{ \left\{ \left\{ \left\{ \left\{ \right\}}^2 \right\}}^2 \right\}}^2 \right\}}^2 r
\end{document}
```

$$\left\{\left\{\left\{\left\{\left\{\left\{x^2\right\}^2\right\}^2\right\}^2\right\}^2\right\}^2\right\}$$

## 43 Test 100d

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[ \left| \left| \left| \left| \left| \left| x^2 \right|^2 \right|^2 \right|^2 \right|^2 \right|^2 \right]
[\left\vert \left\vert \left\vert \left\vert \left\vert \left\vert x^2 \right.\right.^{\!2}\right.\right.^{\!2}\right.\right.^{\!2}\right.\right.^{\!2}\right.\right]^{\!2}
\end{document}
```

$$\left| \left| \left| \left| \left| \left| x^2 \right|^2 \right|^2 \right|^2 \right|^2 \right|^2 \right|$$

## 44 Test 100e

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[ \left \left \left \left \left \left x^2
\right ^2 \right ^2 \right ^2 \right ^2 \right
\[ \left\Vert \left\Vert \left\Vert \left\Vert \left\Vert \left\Vert
\right\Vert^2 \right\Vert^2 \right\Vert^2 \right\Vert^2 \right\Vert^2
\end{document}
```

The figure consists of two vertically stacked diagrams. Each diagram shows a series of vertical lines of varying heights, creating a stepped profile. In the top diagram, a horizontal line segment is drawn across the middle of the grid, labeled with  $x^2$ . In the bottom diagram, a similar horizontal line segment is drawn, also labeled with  $x^2$ . The diagrams illustrate the construction of a 2D grid for a numerical method.

## 45 Test 150a

```
\input{umtest-preamble}
\usepackage{amsmath,unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\centerline{$\int \! \quad \! \dots \! \int$}
\[ \int \! \quad \! \dots \! \int ]
\end{document}
```

$$\begin{array}{c} \int \quad \int \cdots \int \\ \int \quad \int \cdots \int \end{array}$$

## 46 Test 200a

```
\input{umtest-preamble}
\usepackage{amsmath,unicode-math}
\setmathfont{Cambria Math}
\begin{document}
  [${x\prime\prime\prime}$]
  [${x\prime\prime\prime\prime\prime\prime}$]
  [${x'}$]
  [${x'''}$]
  [${x''''''}$]
  [${x }$]
  [${x  }$]
  [${x  '\prime }$]
\end{document}
```

$$[x'''] \quad [x'''''] \quad [x'] \quad [x'''] \quad [x'''''] \quad [x'] \quad [x'''] \quad [x''''']$$

## 47 Test 201a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\sqrt{\sin^2x+\cos^2x}=1\quad\backslash
\[\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+x}}}}\backslash
\end{document}
```

$$\sqrt{\sin^2 x + \cos^2 x} = 1$$

$$\sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + x}}}}$$



48    **Test 202a**

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[a\colon b\qqquad a: b
\quad a^{2236} b\]
\end{document}
```

$$a\colon b \qquad a: b \qquad a: b$$

49    **Test 202b**

```
\input{umtest-preamble}
\usepackage[colon=literal]{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[a\colon b\qqquad a: b
\quad a^{2236} b\]
\end{document}
```

$$a\colon b \qquad a: b \qquad a: b$$

50    **Test 203a**

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[a-b\]
\[a\minus b\]
\end{document}
```

$$a - b$$
$$a - b$$

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\setlength\parskip{12pt}
\begin{document}
$x \quad \$x \quad \$x \quad \$x \quad \$x \quad \$x \quad \$x \quad \$x
\\
$x \quad \$x \quad \$x \quad \$x \quad \$x \quad \$x \quad \$x \quad \$x
\\
$x \quad \quad {}^2\$x \quad \quad {}^2\$x \quad {}^2\$x^2 \quad \$
\\
\\
$x \quad {}^2 \quad \$
\\
\end{document}
```

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\iiint_V]
\removenolimits\iiint
\[\iiint_V]
\addnolimits\iiint
\[\iiint_V]
\end{document}
```

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont[Colour=000000]{Cambria Math}
\setmathfont[Range={\mathop}, Colour=FF0000]{Cambria Math}
\setmathfont[Range={\equal}, Colour=009900]{Cambria Math}
\setmathfont[Range={\mathopen,\mathclose},
              Colour=0000FF]{Cambria Math}
\setlength\parskip{12pt}
\begin{document}
\[
F(s)=\mathscr{L}\left\{f(t)\right\}=
\int_0^{\infty}\mathop{e}^{\text{-}st}f(t)\,\mathop{d}t
\]
\end{document}
```

$$F(s) = \mathcal{L}\{f(t)\} = \int_0^{\infty} e^{-st} f(t) dt$$