

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}
\[\backslash\mathrm{LATINtext}\]
\[\backslash\mathrm{latinintext}\]
\[\backslash\mathrm{LATINmath}\]
\[\backslash\mathrm{latinmath}\]
\end{document}
```

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

4 Test 001d

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

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

5 Test 002a

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

ΑΒΓΔΕΖΗΘΙΚΑΜΝΞΟΠΡΣΤΥΦΧΨΩ

αβγδεζηθικλμνξοπρρςστυφφχψω

ΑΒΓΔΕΖΗΘΙΚΑΜΝΞΟΠΡΣΤΥΦΧΨΩ

αβγδεζηθικλμνξοπρρςστυφφχψω

6 Test 002b

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

ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ
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ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ
αβγδεεζηθικκλμνξοπρρςστυφφχψω

7 Test 002c

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

ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ
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αβγδεεζηθικκλμνξοπρρςστυφφχψω

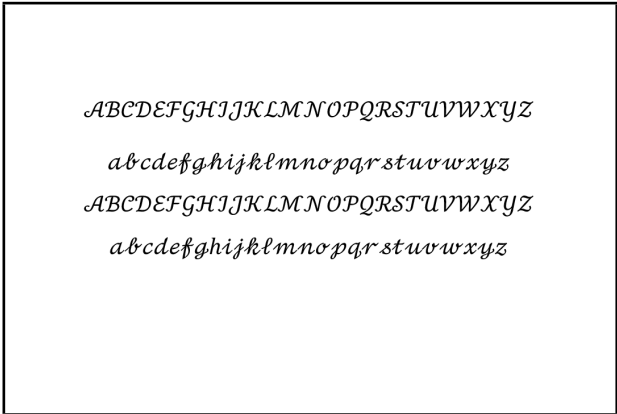
8 Test 002d

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

ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ
αβγδεεζηθικκλμνξοπρρςστυφφχψω
ΑΒΓΔΕΖΗΘΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ
αβγδεεζηθικκλμνξοπρρςστυφφχψω

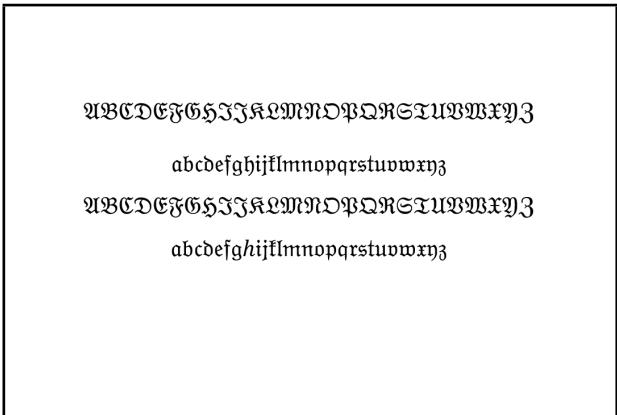
9 Test 010a

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathcal{\text{ABCDEFGHIJKLMNOPQRSTUVWXYZ}}
\[\mathcal{\text{abcdefghijklmnopqrstuvwxyz}}
\[\mathcal{\text{ABCDEFGHIJKLMNOPQRSTUVWXYZ}}
\[\mathcal{\text{abcdefghijklmnopqrstuvwxyz}}
\end{document}
```



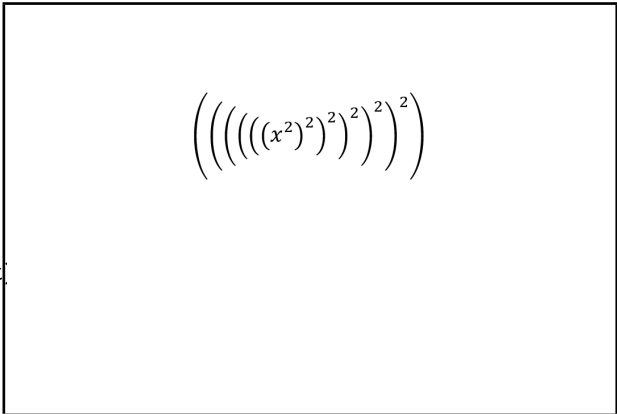
10 Test 010b

```
\input{umtest-preamble}
\usepackage{unicode-math}
\setmathfont{Cambria Math}
\begin{document}
\[\mathfrak{\text{ABCDEFGHIJKLMNOPQRSTUVWXYZ}}
\[\mathfrak{\text{abcdefghijklmnopqrstuvwxyz}}
\[\mathfrak{\text{ABCDEFGHIJKLMNOPQRSTUVWXYZ}}
\[\mathfrak{\text{abcdefghijklmnopqrstuvwxyz}}
\end{document}
```



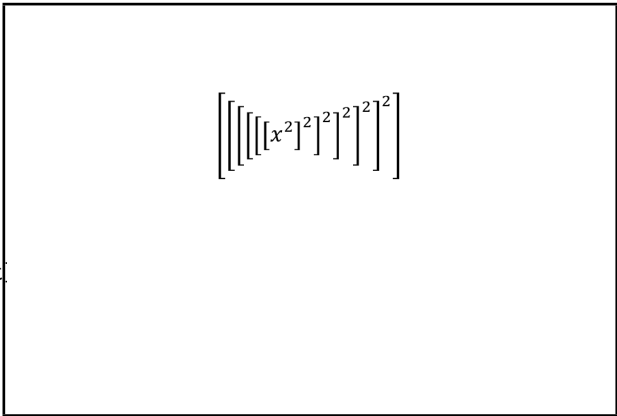
11 Test 100a

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



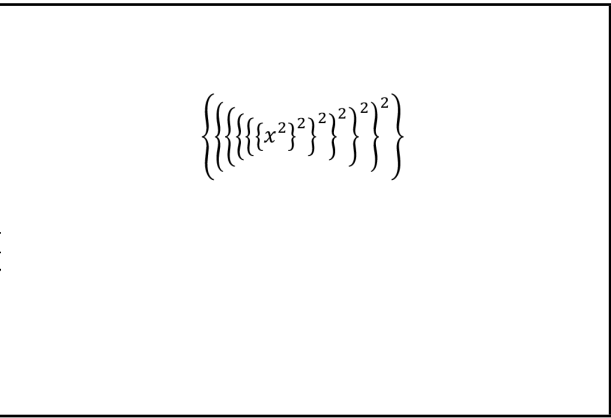
12 Test 100b

```
\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}
```


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

13 Test 100c

```
\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}
```


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