

TEX FONT SAMPLER

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Introduction

Thanks to the work of different groups within the T_EX world we may occasionally welcome new fonts. In the year of T_EX's 25th anniversary we introduce the Latin Modern typefaces as a successor to the familiar Computer Modern typefaces. The development of the Latin Modern was funded by DANTE, GUTENBERG and the NTG.

This booklet ships with the new T_EX Collection 2003: T_EX Live 9/2003 and CTAN. It gives an overview of the free outline fonts available in this collection and provides some background information concerning those fonts, their designers and the foundries involved. We dedicate this booklet to Sebastian Rahtz. Without him and his team, most T_EX documents would still look like they did 25 years ago.

We also use this opportunity to present the new Fourier math font by Michel Bovani. This font is based upon Utopia and can be found in the T_EX collection.

Hans Hagen
Willi Egger

TEX FONT SAMPLER

Showcase of fonts

We start this booklet with a showcase of character representations. Recognizing a font is not trivial. We hope that this showcase will provide you some insight in the subtle differences between fonts.

TEX FONT SAMPLER

TEXT FONT SAMPLER

a

Latin Modern Serif

a

Bookman

à

Antykwa Toruńska

a

Schoolbook

a

Palatino

a

Times

a

Charter

a

Utopia

a

Antykwa Półtawskiego

The lowercase letter 'b' is rendered in a clean, modern serif font with a simple, unadorned bowl and a straight stem.

Latin Modern Serif

The lowercase letter 'b' features a classic, slightly rounded bowl and a stem with a subtle curve, characteristic of a traditional serif typeface.

Bookman

The lowercase letter 'b' has a very thick, heavy stem and a bowl with a pronounced, rounded top, giving it a bold and somewhat antique appearance.

Antykwia Toruńska

The lowercase letter 'b' is designed with a simple, clear bowl and a straight stem, typical of a font intended for educational use.

Schoolbook

The lowercase letter 'b' has a bowl with a slight inward curve and a stem that is slightly wider at the top, a classic design for a high-quality serif font.

Palatino

The lowercase letter 'b' is a classic example of a Times-style serif, with a bowl that has a slight inward curve and a stem that is slightly wider at the top.

Times

The lowercase letter 'b' has a bowl with a slight inward curve and a stem that is slightly wider at the top, similar to Palatino but with a slightly different proportion.

Charter

The lowercase letter 'b' has a bowl with a slight inward curve and a stem that is slightly wider at the top, similar to Palatino but with a slightly different proportion.

Utopia

The lowercase letter 'b' has a bowl with a slight inward curve and a stem that is slightly wider at the top, similar to Palatino but with a slightly different proportion.

Antykwia Półtańskiego

TEX FONT SAMPLER

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Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

The lowercase letter 'd' is rendered in a classic serif font with a thin, elegant design. The bowl of the 'd' is open at the top, and the stem is a simple vertical line with a small serif at the base.

Latin Modern Serif

The lowercase letter 'd' is rendered in a bold, heavy serif font. The bowl is very full and rounded, and the stem is thick and slightly curved.

Bookman

The lowercase letter 'd' is rendered in a classic serif font with a slightly more decorative and historical feel than Latin Modern. The bowl is open at the top, and the stem has a small serif at the base.

Antykwia Toruńska

The lowercase letter 'd' is rendered in a classic serif font with a slightly more decorative and historical feel than Latin Modern. The bowl is open at the top, and the stem has a small serif at the base.

Schoolbook

The lowercase letter 'd' is rendered in a classic serif font with a slightly more decorative and historical feel than Latin Modern. The bowl is open at the top, and the stem has a small serif at the base.

Palatino

The lowercase letter 'd' is rendered in a classic serif font with a slightly more decorative and historical feel than Latin Modern. The bowl is open at the top, and the stem has a small serif at the base.

Times

The lowercase letter 'd' is rendered in a classic serif font with a slightly more decorative and historical feel than Latin Modern. The bowl is open at the top, and the stem has a small serif at the base.

Charter

The lowercase letter 'd' is rendered in a classic serif font with a slightly more decorative and historical feel than Latin Modern. The bowl is open at the top, and the stem has a small serif at the base.

Utopia

The lowercase letter 'd' is rendered in a classic serif font with a slightly more decorative and historical feel than Latin Modern. The bowl is open at the top, and the stem has a small serif at the base.

Antykwia Półtańskiego

TEX FONT SAMPLER

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Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

The lowercase letter 'f' is rendered in a classic serif font with a thin, elegant design. The ascender has a slight curve at the top, and the x-height is relatively tall.

Latin Modern Serif

The lowercase letter 'f' is rendered in a bold, heavy serif font. The ascender is very thick and has a pronounced curve at the top.

Bookman

The lowercase letter 'f' is rendered in a very bold, blackletter-style serif font. The ascender is extremely thick and has a sharp, curved top.

Antykwa Toruńska

The lowercase letter 'f' is rendered in a classic serif font with a slightly more rounded and traditional appearance than Latin Modern. The ascender has a gentle curve.

Schoolbook

The lowercase letter 'f' is rendered in a classic serif font with a slightly more rounded and traditional appearance than Latin Modern. The ascender has a gentle curve.

Palatino

The lowercase letter 'f' is rendered in a classic serif font with a slightly more rounded and traditional appearance than Latin Modern. The ascender has a gentle curve.

Times

The lowercase letter 'f' is rendered in a classic serif font with a slightly more rounded and traditional appearance than Latin Modern. The ascender has a gentle curve.

Charter

The lowercase letter 'f' is rendered in a classic serif font with a slightly more rounded and traditional appearance than Latin Modern. The ascender has a gentle curve.

Utopia

The lowercase letter 'f' is rendered in a very bold, blackletter-style serif font. The ascender is extremely thick and has a sharp, curved top.

Antykwa Półtańskiego

TEX FONT SAMPLER

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A sample of the Latin Modern Serif font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Latin Modern Serif

A sample of the Bookman font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Bookman

A sample of the Antykwa Toruńska font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Antykwa Toruńska

A sample of the Schoolbook font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Schoolbook

A sample of the Palatino font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Palatino

A sample of the Times font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Times

A sample of the Charter font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Charter

A sample of the Utopia font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Utopia

A sample of the Antykwa Półtawskiego font showing the characters 'o' and 'g' in a black, serifed style. The 'o' has a small tail on its right side, and the 'g' has a long, curved descender.

Antykwa Półtawskiego

A lowercase letter 'h' in a modern serif font, characterized by a tall, thin stem and a rounded, slightly flared bowl.

Latin Modern Serif

A lowercase letter 'h' in a classic serif font, featuring a thick stem and a bowl with a distinct, slightly pointed top.

Bookman

A lowercase letter 'h' in a traditional Polish serif font, showing a thick stem and a bowl with a slightly irregular, hand-crafted appearance.

Antykwia Toruńska

A lowercase letter 'h' in a classic serif font, similar to Bookman, with a thick stem and a bowl that has a slight curve at the top.

Schoolbook

A lowercase letter 'h' in a classic serif font, featuring a thick stem and a bowl with a slightly pointed top, similar to Bookman.

Palatino

A lowercase letter 'h' in a classic serif font, with a thick stem and a bowl that has a slight curve at the top, similar to Schoolbook.

Times

A lowercase letter 'h' in a classic serif font, featuring a thick stem and a bowl with a slight curve at the top, similar to Schoolbook.

Charter

A lowercase letter 'h' in a classic serif font, with a thick stem and a bowl that has a slight curve at the top, similar to Schoolbook.

Utopia

A lowercase letter 'h' in a traditional Polish serif font, showing a thick stem and a bowl with a slightly irregular, hand-crafted appearance.

Antykwia Półtańskiego

TEX FONT SAMPLER

TEX FONT SAMPLER

The lowercase letter 'i' is rendered in a classic serif font with a thin, vertical stem and a small, solid black dot above it.

Latin Modern Serif

The lowercase letter 'i' features a thick, vertical stem and a solid black dot above it, characteristic of a heavy serif typeface.

Bookman

The lowercase letter 'i' has a thick stem and a solid black dot above it, with a slightly decorative, historical feel.

Antykwa Toruńska

The lowercase letter 'i' is designed for readability, with a thick stem and a solid black dot above it.

Schoolbook

The lowercase letter 'i' has a thick stem and a solid black dot above it, with a slightly elegant, humanist serif style.

Palatino

The lowercase letter 'i' is a classic example of a high-quality serif font, with a thick stem and a solid black dot above it.

Times

The lowercase letter 'i' has a thick stem and a solid black dot above it, with a slightly decorative, historical feel.

Charter

The lowercase letter 'i' has a thick stem and a solid black dot above it, with a slightly decorative, historical feel.

Utopia

The lowercase letter 'i' has a thick stem and a solid black dot above it, with a slightly decorative, historical feel.

Antykwa Półtawskiego

Latin Modern Serif

Bookman

Antykwa Toruńska

Schoolbook

Palatino

Times

Charter

Utopia

Antykwa Półtańskiego

TEX FONT SAMPLER

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Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtańskiego

TEX FONT SAMPLER

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego

The lowercase letter 'n' is rendered in a classic serif font with a high x-height and a distinct, slightly curved top bar. The letter is black and centered within a light blue square background.

Latin Modern Serif

The lowercase letter 'n' is rendered in a bold, blackletter-style serif font. It features a very thick, slightly curved top bar and a heavy, solid stem. The letter is black and centered within a light blue square background.

Bookman

The lowercase letter 'n' is rendered in a classic serif font with a high x-height and a distinct, slightly curved top bar. The letter is black and centered within a light blue square background.

Antykwia Toruńska

The lowercase letter 'n' is rendered in a classic serif font with a high x-height and a distinct, slightly curved top bar. The letter is black and centered within a light blue square background.

Schoolbook

The lowercase letter 'n' is rendered in a classic serif font with a high x-height and a distinct, slightly curved top bar. The letter is black and centered within a light blue square background.

Palatino

The lowercase letter 'n' is rendered in a classic serif font with a high x-height and a distinct, slightly curved top bar. The letter is black and centered within a light blue square background.

Times

The lowercase letter 'n' is rendered in a classic serif font with a high x-height and a distinct, slightly curved top bar. The letter is black and centered within a light blue square background.

Charter

The lowercase letter 'n' is rendered in a classic serif font with a high x-height and a distinct, slightly curved top bar. The letter is black and centered within a light blue square background.

Utopia

The lowercase letter 'n' is rendered in a classic serif font with a high x-height and a distinct, slightly curved top bar. The letter is black and centered within a light blue square background.

Antykwia Półtawskiego

TEX FONT SAMPLER

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

A lowercase letter 'p' in a modern serif font, featuring a thin, slightly curved stem and a bowl with a sharp, pointed top.

Latin Modern Serif

A lowercase letter 'p' in a classic serif font, characterized by a thick, vertical stem and a bowl with a rounded, slightly flared top.

Bookman

A lowercase letter 'p' in a traditional Polish serif font, showing a thick stem and a bowl with a rounded, slightly flared top.

Antykwia Toruńska

A lowercase letter 'p' in a simple, clean serif font, with a straight stem and a bowl that is slightly wider at the top.

Schoolbook

A lowercase letter 'p' in a classic serif font, featuring a thick stem and a bowl with a rounded, slightly flared top.

Palatino

A lowercase letter 'p' in a classic serif font, with a thick stem and a bowl that is slightly wider at the top.

Times

A lowercase letter 'p' in a classic serif font, featuring a thick stem and a bowl with a rounded, slightly flared top.

Charter

A lowercase letter 'p' in a classic serif font, with a thick stem and a bowl that is slightly wider at the top.

Utopia

A lowercase letter 'p' in a traditional Polish serif font, showing a thick stem and a bowl with a rounded, slightly flared top.

Antykwia Półtawskiego

TEX FONT SAMPLER

TEX FONT SAMPLER

A lowercase letter 'q' in a modern serif font, featuring a high, rounded bowl and a short, slightly curved tail.

Latin Modern Serif

A lowercase letter 'q' in a classic serif font, characterized by a high, rounded bowl and a long, straight tail.

Bookman

A lowercase letter 'q' in a traditional Polish serif font, with a high, rounded bowl and a long, straight tail.

Antykwa Toruńska

A lowercase letter 'q' in a classic serif font, similar to Bookman, with a high, rounded bowl and a long, straight tail.

Schoolbook

A lowercase letter 'q' in a classic serif font, similar to Bookman, with a high, rounded bowl and a long, straight tail.

Palatino

A lowercase letter 'q' in a classic serif font, similar to Bookman, with a high, rounded bowl and a long, straight tail.

Times

A lowercase letter 'q' in a classic serif font, similar to Bookman, with a high, rounded bowl and a long, straight tail.

Charter

A lowercase letter 'q' in a classic serif font, similar to Bookman, with a high, rounded bowl and a long, straight tail.

Utopia

A lowercase letter 'q' in a traditional Polish serif font, with a high, rounded bowl and a long, straight tail.

Antykwa Półtawskiego



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEX FONT SAMPLER

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

The lowercase letter 't' is rendered in a classic serif font with a thin, elegant stroke and a small, curved tail.

Latin Modern Serif

The lowercase letter 't' is rendered in a bold, blackletter-style serif font with a thick, vertical stem and a slightly curved tail.

Bookman

The lowercase letter 't' is rendered in a very bold, blackletter-style serif font with a thick, vertical stem and a slightly curved tail.

Antykwa Toruńska

The lowercase letter 't' is rendered in a bold, blackletter-style serif font with a thick, vertical stem and a slightly curved tail.

Schoolbook

The lowercase letter 't' is rendered in a bold, blackletter-style serif font with a thick, vertical stem and a slightly curved tail.

Palatino

The lowercase letter 't' is rendered in a bold, blackletter-style serif font with a thick, vertical stem and a slightly curved tail.

Times

The lowercase letter 't' is rendered in a bold, blackletter-style serif font with a thick, vertical stem and a slightly curved tail.

Charter

The lowercase letter 't' is rendered in a bold, blackletter-style serif font with a thick, vertical stem and a slightly curved tail.

Utopia

The lowercase letter 't' is rendered in a bold, blackletter-style serif font with a thick, vertical stem and a slightly curved tail.

Antykwa Półtańskiego

TEX FONT SAMPLER

TEX FONT SAMPLER

A lowercase letter 'u' in a modern serif font, characterized by a thin, slightly curved tail and a small serif at the bottom.

Latin Modern Serif

A lowercase letter 'u' in a classic serif font, featuring a thick, slightly curved tail and a small serif at the bottom.

Bookman

A lowercase letter 'u' in a traditional Polish serif font, with a thick, slightly curved tail and a small serif at the bottom.

Antykwa Toruńska

A lowercase letter 'u' in a classic serif font, featuring a thick, slightly curved tail and a small serif at the bottom.

Schoolbook

A lowercase letter 'u' in a classic serif font, featuring a thick, slightly curved tail and a small serif at the bottom.

Palatino

A lowercase letter 'u' in a classic serif font, featuring a thick, slightly curved tail and a small serif at the bottom.

Times

A lowercase letter 'u' in a classic serif font, featuring a thick, slightly curved tail and a small serif at the bottom.

Charter

A lowercase letter 'u' in a classic serif font, featuring a thick, slightly curved tail and a small serif at the bottom.

Utopia

A lowercase letter 'u' in a traditional Polish serif font, with a thick, slightly curved tail and a small serif at the bottom.

Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEX FONT SAMPLER

A black serif capital letter 'W' with a modern, slightly condensed design, set against a light blue square background.

Latin Modern Serif

A black serif capital letter 'W' with a classic, slightly wide design, set against a light blue square background.

Bookman

A black serif capital letter 'W' with a highly decorative, calligraphic design, set against a light blue square background.

Antykwa Toruńska

A black serif capital letter 'W' with a classic, slightly wide design, set against a light blue square background.

Schoolbook

A black serif capital letter 'W' with a classic, slightly wide design, set against a light blue square background.

Palatino

A black serif capital letter 'W' with a classic, slightly wide design, set against a light blue square background.

Times

A black serif capital letter 'W' with a classic, slightly wide design, set against a light blue square background.

Charter

A black serif capital letter 'W' with a classic, slightly wide design, set against a light blue square background.

Utopia

A black serif capital letter 'W' with a highly decorative, calligraphic design, set against a light blue square background.

Antykwa Półtawskiego

TEX FONT SAMPLER

A black serif capital letter 'X' with a classic, slightly condensed design, set against a light blue square background.

Latin Modern Serif

A black serif capital letter 'X' with a very bold, heavy, and slightly condensed design, set against a light blue square background.

Bookman

A black serif capital letter 'X' with a classic, slightly condensed design, set against a light blue square background.

Antykwa Toruńska

A black serif capital letter 'X' with a classic, slightly condensed design, set against a light blue square background.

Schoolbook

A black serif capital letter 'X' with a classic, slightly condensed design, set against a light blue square background.

Palatino

A black serif capital letter 'X' with a classic, slightly condensed design, set against a light blue square background.

Times

A black serif capital letter 'X' with a classic, slightly condensed design, set against a light blue square background.

Charter

A black serif capital letter 'X' with a classic, slightly condensed design, set against a light blue square background.

Utopia

A black serif capital letter 'X' with a classic, slightly condensed design, set against a light blue square background.

Antykwa Półtawskiego

TEX FONT SAMPLER

The lowercase letter 'y' is rendered in a classic serif font with a sharp, pointed top and a small, elegant tail that curves slightly to the left.

Latin Modern Serif

The lowercase letter 'y' features a very high, rectangular top with a sharp peak and a tail that curves to the left.

Bookman

The lowercase letter 'y' is highly decorative, with a top that has a small loop and a tail that curves to the left and then loops back.

Antykwa Toruńska

The lowercase letter 'y' has a simple, clean design with a sharp top and a tail that curves to the left.

Schoolbook

The lowercase letter 'y' has a high, rectangular top and a tail that curves to the left.

Palatino

The lowercase letter 'y' is a classic serif font with a sharp top and a tail that curves to the left.

Times

The lowercase letter 'y' has a high, rectangular top and a tail that curves to the left.

Charter

The lowercase letter 'y' has a high, rectangular top and a tail that curves to the left.

Utopia

The lowercase letter 'y' is highly decorative, with a top that has a small loop and a tail that curves to the left and then loops back.

Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEXT FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego

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Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEXT FONT SAMPLER

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' has a classic, slightly condensed design with a small serif at the top.

Latin Modern Serif

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' is very bold and has a classic, slightly condensed design with a small serif at the top.

Bookman

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' is very bold and has a classic, slightly condensed design with a small serif at the top.

Antykwia Toruńska

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' is very bold and has a classic, slightly condensed design with a small serif at the top.

Schoolbook

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' is very bold and has a classic, slightly condensed design with a small serif at the top.

Palatino

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' is very bold and has a classic, slightly condensed design with a small serif at the top.

Times

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' is very bold and has a classic, slightly condensed design with a small serif at the top.

Charter

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' is very bold and has a classic, slightly condensed design with a small serif at the top.

Utopia

A large, black, serif capital letter 'E' centered on a light teal square background. The 'E' is very bold and has a classic, slightly condensed design with a small serif at the top.

Antykwia Półtawskiego

TEX FONT SAMPLER

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a modern serif with a slightly condensed and tall x-height.

Latin Modern Serif

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a classic serif with a slightly condensed and tall x-height.

Bookman

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a classic serif with a slightly condensed and tall x-height.

Antykwia Toruńska

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a classic serif with a slightly condensed and tall x-height.

Schoolbook

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a classic serif with a slightly condensed and tall x-height.

Palatino

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a classic serif with a slightly condensed and tall x-height.

Times

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a classic serif with a slightly condensed and tall x-height.

Charter

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a classic serif with a slightly condensed and tall x-height.

Utopia

A large, black, serif capital letter 'F' centered on a light teal square background. The font is a classic serif with a slightly condensed and tall x-height.

Antykwia Półtańskiego

TEXT FONT SAMPLER

A black uppercase letter 'G' in a Latin Modern Serif font, set against a teal square background.

Latin Modern Serif

A black uppercase letter 'G' in a Bookman font, set against a teal square background.

Bookman

A black uppercase letter 'G' in an Antykwa Toruńska font, set against a teal square background.

Antykwa Toruńska

A black uppercase letter 'G' in a Schoolbook font, set against a teal square background.

Schoolbook

A black uppercase letter 'G' in a Palatino font, set against a teal square background.

Palatino

A black uppercase letter 'G' in a Times font, set against a teal square background.

Times

A black uppercase letter 'G' in a Charter font, set against a teal square background.

Charter

A black uppercase letter 'G' in a Utopia font, set against a teal square background.

Utopia

A black uppercase letter 'G' in an Antykwa Półtawskiego font, set against a teal square background.

Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego

TEX FONT SAMPLER

A black uppercase letter 'I' with a classic serif font style, featuring a thin top bar and a thin bottom bar, set against a light teal background.

Latin Modern Serif

A black uppercase letter 'I' in a Bookman font style, characterized by a very thick, bold vertical stem and a thin top bar, set against a light teal background.

Bookman

A black uppercase letter 'I' in an Antykwa Toruńska font style, featuring a thick vertical stem with a slight curve and a thin top bar, set against a light teal background.

Antykwa Toruńska

A black uppercase letter 'I' in a Schoolbook font style, featuring a thick vertical stem with a slight curve and a thin top bar, set against a light teal background.

Schoolbook

A black uppercase letter 'I' in a Palatino font style, featuring a thick vertical stem with a slight curve and a thin top bar, set against a light teal background.

Palatino

A black uppercase letter 'I' in a Times font style, featuring a thick vertical stem with a slight curve and a thin top bar, set against a light teal background.

Times

A black uppercase letter 'I' in a Charter font style, featuring a thick vertical stem with a slight curve and a thin top bar, set against a light teal background.

Charter

A black uppercase letter 'I' in a Utopia font style, featuring a thick vertical stem with a slight curve and a thin top bar, set against a light teal background.

Utopia

A black uppercase letter 'I' in an Antykwa Półtawskiego font style, featuring a thick vertical stem with a slight curve and a thin top bar, set against a light teal background.

Antykwa Półtawskiego

A black uppercase letter 'J' in a Latin Modern Serif font, featuring a thin, elegant tail that curves slightly to the left.

Latin Modern Serif

A black uppercase letter 'J' in a Bookman font, characterized by a thick, heavy body and a large, decorative, curved tail.

Bookman

A black uppercase letter 'J' in an Antykwia Toruńska font, showing a classic, slightly condensed serif style with a simple, straight tail.

Antykwia Toruńska

A black uppercase letter 'J' in a Schoolbook font, featuring a very thick, bold body and a large, decorative, curved tail.

Schoolbook

A black uppercase letter 'J' in a Palatino font, characterized by a thick, heavy body and a simple, straight tail.

Palatino

A black uppercase letter 'J' in a Times font, showing a classic, slightly condensed serif style with a simple, straight tail.

Times

A black uppercase letter 'J' in a Charter font, featuring a thick, heavy body and a simple, straight tail.

Charter

A black uppercase letter 'J' in a Utopia font, characterized by a thick, heavy body and a simple, straight tail.

Utopia

A black uppercase letter 'J' in an Antykwia Półtawskiego font, showing a classic, slightly condensed serif style with a simple, straight tail.

Antykwia Półtawskiego

TEX FONT SAMPLER

TEXT FONT SAMPLER

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Latin Modern Serif

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Bookman

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Antykwia Toruńska

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Schoolbook

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Palatino

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Times

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Charter

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Utopia

A bold, black, serif uppercase letter 'K' with a classic, slightly condensed design.

Antykwia Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtańskiego

TEXT FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego

TEX FONT SAMPLER

A large, black, serif capital letter 'N' with a classic, slightly condensed design and a small serif at the top of the vertical stem.

Latin Modern Serif

A large, black, serif capital letter 'N' with a very bold, heavy design and a prominent, thick vertical stem.

Bookman

A large, black, serif capital letter 'N' with a classic, slightly condensed design and a small serif at the top of the vertical stem, similar to Latin Modern Serif but with a slightly different proportion.

Antykwa Toruńska

A large, black, serif capital letter 'N' with a classic, slightly condensed design and a small serif at the top of the vertical stem, similar to Latin Modern Serif.

Schoolbook

A large, black, serif capital letter 'N' with a classic, slightly condensed design and a small serif at the top of the vertical stem, similar to Latin Modern Serif.

Palatino

A large, black, serif capital letter 'N' with a classic, slightly condensed design and a small serif at the top of the vertical stem, similar to Latin Modern Serif.

Times

A large, black, serif capital letter 'N' with a classic, slightly condensed design and a small serif at the top of the vertical stem, similar to Latin Modern Serif.

Charter

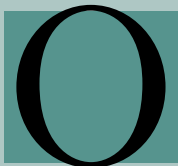
A large, black, serif capital letter 'N' with a classic, slightly condensed design and a small serif at the top of the vertical stem, similar to Latin Modern Serif.

Utopia


A large, black, serif capital letter 'N' with a classic, slightly condensed design and a small serif at the top of the vertical stem, similar to Latin Modern Serif.

Antykwa Półtańskiego

TEXT FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtańskiego

TEXT FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtańskiego

TEXT FONT SAMPLER

A black serif capital letter 'S' with a classic, slightly curved shape and a small serif at the top, set against a teal square background.

Latin Modern Serif

A black serif capital letter 'S' with a very thick, bold stroke and a distinct serif at the top, set against a teal square background.

Bookman

A black serif capital letter 'S' with a classic, slightly curved shape and a small serif at the top, set against a teal square background.

Antykwia Toruńska

A black serif capital letter 'S' with a classic, slightly curved shape and a small serif at the top, set against a teal square background.

Schoolbook

A black serif capital letter 'S' with a classic, slightly curved shape and a small serif at the top, set against a teal square background.

Palatino

A black serif capital letter 'S' with a classic, slightly curved shape and a small serif at the top, set against a teal square background.

Times

A black serif capital letter 'S' with a classic, slightly curved shape and a small serif at the top, set against a teal square background.

Charter

A black serif capital letter 'S' with a classic, slightly curved shape and a small serif at the top, set against a teal square background.

Utopia

A black serif capital letter 'S' with a classic, slightly curved shape and a small serif at the top, set against a teal square background.

Antykwia Półtawskiego

TEX FONT SAMPLER

A large, black, serif capital letter 'T' centered in a light teal square. The font features a classic serif design with a slightly curved top bar and a thick, horizontal base.

Latin Modern Serif

A large, black, serif capital letter 'T' centered in a light teal square. The font has a traditional, slightly condensed appearance with a thick stem and a horizontal base.

Bookman

A large, black, serif capital letter 'T' centered in a light teal square. The font is highly decorative, with a very thick stem and a horizontal base, and a top bar that is slightly curved and has a small hook on the left side.

Antykwa Toruńska

A large, black, serif capital letter 'T' centered in a light teal square. The font is a classic, slightly condensed serif with a thick stem and a horizontal base.

Schoolbook

A large, black, serif capital letter 'T' centered in a light teal square. The font is a classic, slightly condensed serif with a thick stem and a horizontal base.

Palatino

A large, black, serif capital letter 'T' centered in a light teal square. The font is a classic, slightly condensed serif with a thick stem and a horizontal base.

Times

A large, black, serif capital letter 'T' centered in a light teal square. The font is a classic, slightly condensed serif with a thick stem and a horizontal base.

Charter

A large, black, serif capital letter 'T' centered in a light teal square. The font is a classic, slightly condensed serif with a thick stem and a horizontal base.

Utopia

A large, black, serif capital letter 'T' centered in a light teal square. The font is highly decorative, with a very thick stem and a horizontal base, and a top bar that is slightly curved and has a small hook on the left side.

Antykwa Półtańskiego

TEXT FONT SAMPLER

A black uppercase letter 'U' in a serif font with a modern, slightly condensed appearance. The top bar is thin and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Latin Modern Serif

A black uppercase letter 'U' in a classic serif font. The top bar is thick and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Bookman

A black uppercase letter 'U' in a traditional Polish serif font. The top bar is thick and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Antykwia Toruńska

A black uppercase letter 'U' in a classic serif font. The top bar is thick and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Schoolbook

A black uppercase letter 'U' in a classic serif font. The top bar is thick and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Palatino

A black uppercase letter 'U' in a classic serif font. The top bar is thick and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Times

A black uppercase letter 'U' in a classic serif font. The top bar is thick and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Charter

A black uppercase letter 'U' in a classic serif font. The top bar is thick and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Utopia

A black uppercase letter 'U' in a traditional Polish serif font. The top bar is thick and has a slight curve. The stem is straight and tapers slightly towards the bottom. The bowl is deep and rounded.

Antykwia Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtańskiego

TEXT FONT SAMPLER

A black uppercase letter 'W' in the Latin Modern Serif font, set against a teal square background. The font features a classic serif design with a slightly condensed and tall structure.

Latin Modern Serif

A black uppercase letter 'W' in the Bookman font, set against a teal square background. The font is a classic serif with a balanced, slightly condensed appearance.

Bookman

A black uppercase letter 'W' in the Antykwia Toruńska font, set against a teal square background. This is a traditional Polish serif font with a classic, slightly condensed look.

Antykwia Toruńska

A black uppercase letter 'W' in the Schoolbook font, set against a teal square background. The font is a classic serif designed for readability, with a slightly condensed and tall structure.

Schoolbook

A black uppercase letter 'W' in the Palatino font, set against a teal square background. The font is a classic serif with a slightly condensed and tall structure.

Palatino

A black uppercase letter 'W' in the Times font, set against a teal square background. The font is a classic serif with a slightly condensed and tall structure.

Times

A black uppercase letter 'W' in the Charter font, set against a teal square background. The font is a classic serif with a slightly condensed and tall structure.

Charter

A black uppercase letter 'W' in the Utopia font, set against a teal square background. The font is a classic serif with a slightly condensed and tall structure.

Utopia

A black uppercase letter 'W' in the Antykwia Półtawskiego font, set against a teal square background. This is a traditional Polish serif font with a classic, slightly condensed look.

Antykwia Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEXT FONT SAMPLER

A black uppercase letter 'Y' in a Latin Modern Serif font, featuring a classic serif design with a slightly curved top and a thick stem.

Latin Modern Serif

A black uppercase letter 'Y' in a Bookman font, characterized by a very bold, heavy, and slightly condensed serif typeface.

Bookman

A black uppercase letter 'Y' in an Antykwia Toruńska font, a classic Polish blackletter typeface with a highly decorative and calligraphic appearance.

Antykwia Toruńska

A black uppercase letter 'Y' in a Schoolbook font, a clean and simple serif typeface designed for educational purposes.

Schoolbook

A black uppercase letter 'Y' in a Palatino font, a classic serif typeface known for its elegant and balanced proportions.

Palatino

A black uppercase letter 'Y' in a Times font, a highly legible and widely used serif typeface.

Times

A black uppercase letter 'Y' in a Charter font, a serif typeface with a slightly condensed and modern feel.

Charter

A black uppercase letter 'Y' in a Utopia font, a serif typeface characterized by its extreme condensation and high contrast.

Utopia

A black uppercase letter 'Y' in an Antykwia Półtawskiego font, a Polish blackletter typeface with a highly decorative and calligraphic appearance.

Antykwia Półtawskiego

TEX FONT SAMPLER

A black uppercase letter 'Z' in a modern serif font, featuring a sharp, slightly curved top and a clean, vertical stem.

Latin Modern Serif

A black uppercase letter 'Z' in a classic serif font, with a slightly rounded top and a thick, solid stem.

Bookman

A black uppercase letter 'Z' in a highly decorative, historical serif font, characterized by intricate flourishes and a classic, slightly curved top.

Antykwia Toruńska

A black uppercase letter 'Z' in a simple, clean serif font, with a sharp top and a straight stem.

Schoolbook

A black uppercase letter 'Z' in a classic serif font, with a slightly rounded top and a thick, solid stem.

Palatino

A black uppercase letter 'Z' in a classic serif font, with a slightly rounded top and a thick, solid stem.

Times

A black uppercase letter 'Z' in a classic serif font, with a slightly rounded top and a thick, solid stem.

Charter

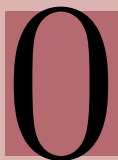
A black uppercase letter 'Z' in a classic serif font, with a slightly rounded top and a thick, solid stem.

Utopia

A black uppercase letter 'Z' in a highly decorative, historical serif font, characterized by intricate flourishes and a classic, slightly curved top.

Antykwia Półtańskiego

TEXT FONT SAMPLER

A large, black, serif uppercase letter 'O' centered within a light red square background.

Latin Modern Serif

A large, black, serif uppercase letter 'O' centered within a light red square background.

Bookman

A large, black, serif uppercase letter 'O' centered within a light red square background.

Antykwa Toruńska

A large, black, serif uppercase letter 'O' centered within a light red square background.

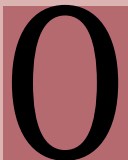
Schoolbook

A large, black, serif uppercase letter 'O' centered within a light red square background.

Palatino

A large, black, serif uppercase letter 'O' centered within a light red square background.

Times

A large, black, serif uppercase letter 'O' centered within a light red square background.

Charter

A large, black, serif uppercase letter 'O' centered within a light red square background.

Utopia

A large, black, serif uppercase letter 'O' centered within a light red square background.

Antykwa Półtawskiego

1

Latin Modern Serif

1

Bookman

1

Antykwa Toruńska

1

Schoolbook

1

Palatino

1

Times

1

Charter

1

Utopia

1

Antykwa Półtańskiego

TEX FONT SAMPLER

TEX FONT SAMPLER

A black serif numeral '2' with a thin, elegant tail, set against a dark red square background.

Latin Modern Serif

A black serif numeral '2' with a thick, heavy body and a curved tail, set against a dark red square background.

Bookman

A black serif numeral '2' with a classic, slightly ornate design and a curved tail, set against a dark red square background.

Antykwia Toruńska

A black serif numeral '2' with a very thick, heavy body and a simple, straight tail, set against a dark red square background.

Schoolbook

A black serif numeral '2' with a classic, slightly ornate design and a curved tail, set against a dark red square background.

Palatino

A black serif numeral '2' with a classic, slightly ornate design and a curved tail, set against a dark red square background.

Times

A black serif numeral '2' with a classic, slightly ornate design and a curved tail, set against a dark red square background.

Charter

A black serif numeral '2' with a classic, slightly ornate design and a curved tail, set against a dark red square background.

Utopia

A black serif numeral '2' with a classic, slightly ornate design and a curved tail, set against a dark red square background.

Antykwia Półtawskiego



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtańskiego

TEX FONT SAMPLER

TEX FONT SAMPLER

The number 4 is rendered in a classic serif font with a thin, elegant stroke and a small, decorative serif at the top of the vertical stem.

Latin Modern Serif

The number 4 is rendered in a bold, heavy serif font with a thick, blocky appearance and a prominent, wide base.

Bookman

The number 4 is rendered in a highly decorative, calligraphic serif font with a very thick, curved top and a complex, ornate base.

Antykwa Toruńska

The number 4 is rendered in a simple, clean serif font with a moderate weight and a classic, unadorned design.

Schoolbook

The number 4 is rendered in a classic serif font with a slightly condensed and elegant appearance, featuring a thin stroke and a small serif.

Palatino

The number 4 is rendered in a classic serif font with a slightly condensed and elegant appearance, featuring a thin stroke and a small serif.

Times

The number 4 is rendered in a classic serif font with a slightly condensed and elegant appearance, featuring a thin stroke and a small serif.

Charter

The number 4 is rendered in a classic serif font with a slightly condensed and elegant appearance, featuring a thin stroke and a small serif.

Utopia

The number 4 is rendered in a highly decorative, calligraphic serif font with a very thick, curved top and a complex, ornate base.

Antykwa Półtawskiego

The number 5 is rendered in a classic serif font with a prominent, curved tail that loops back towards the left.

Latin Modern Serif

The number 5 is rendered in a bold, slab-serif font with a thick, horizontal base and a curved tail.

Bookman

The number 5 is rendered in a classic serif font with a curved tail, similar to Latin Modern Serif but with a slightly different proportion.

Antykwia Toruńska

The number 5 is rendered in a classic serif font with a curved tail, similar to Latin Modern Serif.

Schoolbook

The number 5 is rendered in a classic serif font with a curved tail, similar to Latin Modern Serif.

Palatino

The number 5 is rendered in a classic serif font with a curved tail, similar to Latin Modern Serif.

Times

The number 5 is rendered in a classic serif font with a curved tail, similar to Latin Modern Serif.

Charter

The number 5 is rendered in a classic serif font with a curved tail, similar to Latin Modern Serif.

Utopia

The number 5 is rendered in a classic serif font with a curved tail, similar to Latin Modern Serif.

Antykwia Półtańskiego

TEX FONT SAMPLER

TEX FONT SAMPLER

A black serif numeral '6' with a distinct, rounded top and a small serif at the base, set against a dark red square background.

Latin Modern Serif

A black serif numeral '6' with a classic, slightly rounded top and a small serif at the base, set against a dark red square background.

Bookman

A black serif numeral '6' with a very high, thin top and a small serif at the base, set against a dark red square background.

Antykwa Toruńska

A black serif numeral '6' with a rounded top and a small serif at the base, set against a dark red square background.

Schoolbook

A black serif numeral '6' with a rounded top and a small serif at the base, set against a dark red square background.

Palatino

A black serif numeral '6' with a rounded top and a small serif at the base, set against a dark red square background.

Times

A black serif numeral '6' with a rounded top and a small serif at the base, set against a dark red square background.

Charter

A black serif numeral '6' with a rounded top and a small serif at the base, set against a dark red square background.

Utopia

A black serif numeral '6' with a rounded top and a small serif at the base, set against a dark red square background.

Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtauskiego

TEXT FONT SAMPLER

A black number 8 with a classic serif font style, featuring a small serif at the top and a larger one at the bottom.

Latin Modern Serif

A black number 8 with a bold, slab-serif font style, characterized by thick vertical strokes and a rounded top.

Bookman

A black number 8 with a traditional Polish serif font style, showing a classic, slightly rounded form with distinct serifs.

Antykwia Toruńska

A black number 8 with a simple, clean serif font style, often used in educational materials, featuring a slightly rounded top and a simple bottom serif.

Schoolbook

A black number 8 with a classic serif font style, known for its elegant and balanced proportions, featuring a rounded top and a simple bottom serif.

Palatino

A black number 8 with a classic serif font style, characterized by a rounded top and a simple bottom serif, often used in formal documents.

Times

A black number 8 with a classic serif font style, featuring a rounded top and a simple bottom serif, often used in formal documents.

Charter

A black number 8 with a classic serif font style, featuring a rounded top and a simple bottom serif, often used in formal documents.

Utopia

A black number 8 with a classic serif font style, featuring a rounded top and a simple bottom serif, often used in formal documents.

Antykwia Półtawskiego

A black, stylized number 9 with a thin, elegant curve at the bottom, set against a dark red square background.

Latin Modern Serif

A black, bold number 9 with a thick, rounded curve at the bottom, set against a dark red square background.

Bookman

A black, classic number 9 with a sharp, pointed curve at the bottom, set against a dark red square background.

Antykwia Toruńska

A black, simple number 9 with a clean, rounded curve at the bottom, set against a dark red square background.

Schoolbook

A black, elegant number 9 with a thin, graceful curve at the bottom, set against a dark red square background.

Palatino

A black, classic number 9 with a sharp, pointed curve at the bottom, set against a dark red square background.

Times

A black, simple number 9 with a clean, rounded curve at the bottom, set against a dark red square background.

Charter

A black, bold number 9 with a thick, rounded curve at the bottom, set against a dark red square background.

Utopia

A black, classic number 9 with a sharp, pointed curve at the bottom, set against a dark red square background.

Antykwia Półtawskiego

TEX FONT SAMPLER

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter

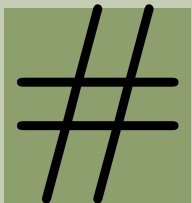


Utopia



Antykwia Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



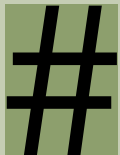
Bookman



Antykwa Toruńska



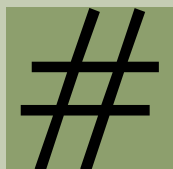
Schoolbook



Palatino



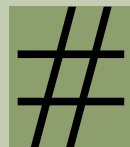
Times



Charter



Utopia



Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



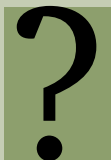
Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter

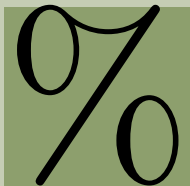


Utopia



Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



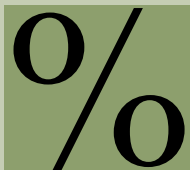
Bookman



Antykwa Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego

Latin Modern Serif

Bookman

Antykwa Toruńska

Schoolbook

Palatino

Times

Charter

Utopia

Antykwa Półtawskiego

TEX FONT SAMPLER

TEX FONT SAMPLER

A lowercase 'e' in a modern serif font, featuring a thin, slightly curved tail that ends in a small hook.

Latin Modern Serif

A lowercase 'e' in a classic serif font, with a thick, curved tail that ends in a small hook.

Bookman

A lowercase 'e' in a highly decorative, blackletter-style serif font, with a thick, curved tail that ends in a small hook.

Antykwa Toruńska

A lowercase 'e' in a classic serif font, with a thick, curved tail that ends in a small hook.

Schoolbook

A lowercase 'e' in a classic serif font, with a thick, curved tail that ends in a small hook.

Palatino

A lowercase 'e' in a classic serif font, with a thick, curved tail that ends in a small hook.

Times

A lowercase 'e' in a classic serif font, with a thick, curved tail that ends in a small hook.

Charter

A lowercase 'e' in a classic serif font, with a thick, curved tail that ends in a small hook.

Utopia

A lowercase 'e' in a highly decorative, blackletter-style serif font, with a thick, curved tail that ends in a small hook.

Antykwa Półtawskiego

A lowercase letter 'l' in a Latin Modern Serif font, featuring a thin, slightly curved ascender and a thin, slightly curved x-height.

Latin Modern Serif

A lowercase letter 'l' in a Bookman font, featuring a thick, slightly curved ascender and a thick, slightly curved x-height.

Bookman

A lowercase letter 'l' in an Antykwia Toruńska font, featuring a thick, slightly curved ascender and a thick, slightly curved x-height.

Antykwia Toruńska

A lowercase letter 'l' in a Schoolbook font, featuring a thick, slightly curved ascender and a thick, slightly curved x-height.

Schoolbook

A lowercase letter 'l' in a Palatino font, featuring a thick, slightly curved ascender and a thick, slightly curved x-height.

Palatino

A lowercase letter 'l' in a Times font, featuring a thick, slightly curved ascender and a thick, slightly curved x-height.

Times

A lowercase letter 'l' in a Charter font, featuring a thick, slightly curved ascender and a thick, slightly curved x-height.

Charter

A lowercase letter 'l' in a Utopia font, featuring a thick, slightly curved ascender and a thick, slightly curved x-height.

Utopia

A lowercase letter 'l' in an Antykwia Półtawskiego font, featuring a thick, slightly curved ascender and a thick, slightly curved x-height.

Antykwia Półtawskiego

TEX FONT SAMPLER

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtawskiego

TEX FONT SAMPLER

Latin Modern Serif

Bookman

Antykwa Toruńska

Schoolbook

Palatino

Times

Charter

Utopia

Antykwa Półtawskiego

TEX FONT SAMPLER

A black 'æ' character in a Latin Modern Serif font, featuring a clean, modern design with a slight curve and a small loop at the top.

Latin Modern Serif

A black 'æ' character in a Bookman font, characterized by its classic, slightly rounded and elegant serif style.

Bookman

A black 'æ' character in an Antykwa Toruńska font, showing a highly decorative and ornate style with intricate flourishes.

Antykwa Toruńska

A black 'æ' character in a Schoolbook font, designed for readability with a clear, simple, and slightly rounded form.

Schoolbook

A black 'æ' character in a Palatino font, featuring a classic, elegant, and slightly rounded serif design.

Palatino

A black 'æ' character in a Times font, showing a classic, elegant, and slightly rounded serif design.

Times

A black 'æ' character in a Charter font, featuring a classic, elegant, and slightly rounded serif design.

Charter

A black 'æ' character in a Utopia font, showing a classic, elegant, and slightly rounded serif design.

Utopia

A black 'æ' character in an Antykwa Półtawskiego font, featuring a highly decorative and ornate style with intricate flourishes.

Antykwa Półtawskiego



Latin Modern Serif



Bookman



Antykwia Toruńska



Schoolbook



Palatino



Times



Charter



Utopia



Antykwia Półtańskiego

TEX FONT SAMPLER

TEXT FONT SAMPLER

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Latin Modern Serif

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Bookman

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Antykwa Toruńska

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Schoolbook

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Palatino

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Times

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Charter

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Utopia

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Antykwa Półtawskiego

TEX FONT SAMPLER



Latin Modern Serif



Bookman



Schoolbook



Palatino



Times



Charter



Utopia



Antykwa Półtawskiego

TEXT FONT SAMPLER

Latin Modern Serif

Bookman

Antykwia Toruńska

Schoolbook

Palatino

Times

Charter

Utopia

Antykwia Półtawskiego

TEX FONT SAMPLER

Sample texts

The next pages show you some text typeset in the same fonts that we introduced on the previous pages. In addition, we show Latin Modern Sans, Latin Modern Variable, Helvetica and Courier.

The first quotation is taken from an article by Hermann Zapf: “About micro-typography and the hz-program”, published in Electronic Publishing, volume 6/3, pages 283–288, September 1993.

The second quotation is taken from “The Life and Death of Planet Earth” by Peter D. Ward and Donald Brownlee, Henry Holt and Company, LLC, 2001.

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing the differences between good and bad typographic design. Many people are just fascinated by their PC's tricks, and think that a widely-praised program, called up on the screen, will make everything automatic from now on. Hermann Zapf

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Latin Modern Serif

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Latin Modern Sans

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Peter D. Ward

Latin Modern Mono

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Peter D. Ward

Latin Modern Variable

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Peter D. Ward

Antykwa Toruńska

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Peter D. Ward

Antykwia Półtawskiego

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Peter D. Ward

Bookman

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Peter D. Ward

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Utopia

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Peter D. Ward

Schoolbook

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Peter D. Ward

Charter

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Helvetica

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Peter D. Ward

Courier

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Peter D. Ward

Palatino

Special characters

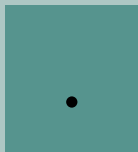
$\text{T}_{\text{E}}\text{X}$ is well known for its ability to typeset most of the languages of the world, and also math. We don't have the room to show all possible variants and combinations of character representations, so we stick to showing a few familiar glyphs.

The font we use is the Latin Modern Roman. This font is a successor to the Computer Modern Roman and has all glyphs needed to typeset most of the languages of Europe. Notice the subtle differences in placement of the diaeresis and umlaut.

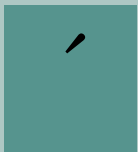
TEX FONT SAMPLER



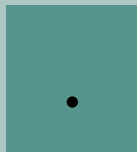
comma



period



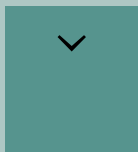
acute



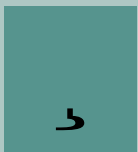
bottomdot



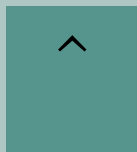
breve



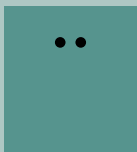
caron



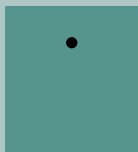
cedilla



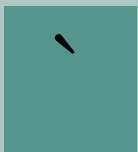
circumflex



diaeresis



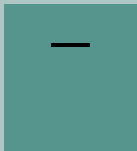
dotaccent



grave



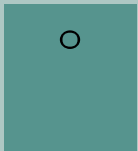
hungarumlaut



macron



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TEX FONT SAMPLER

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TEX FONT SAMPLER



euro



dollar



pound



yen



hash



ampersand



percent



promille



section



paragraph



star



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copyright



registered



trademark



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TEX FONT SAMPLER

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TEX FONT SAMPLER

Fonts compared

Once you have decided to mix fonts, you run into the problem of design sizes. The next few pages demonstrate what happens when you mix fonts without taking the design size into account. Each sample is typeset with the respective font at 8 points. The interline space is 11.5 points.

The Earth, as a habitat for animal life, is in old age and has a fatal illness. Several, in fact. It would be happening whether humans has ever evolved or not. But our presence is like the effect of an old-age patient who smokes many packs of cigarettes per day — and we humans are the cigarettes.

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TEX
FONT
SAMPLER

Fonts and languages

Each language has its own special characters. In many cases, these are composed of the 26 alphabetic characters and accents or some kind of extension. Some languages use more than 26 characters and shapes.

The next pages demonstrate how the Latin Modern Roman font can be used for typesetting in many languages. This font is based upon Donald Knuth's Computer Modern Roman family which is the default font in most $\text{T}_\text{E}\text{X}$ distributions.

We have taken the sample text from The Declarations on Human Rights. This document can be found in many languages at:

<http://www.unhchr.ch/udhr/index.htm>

Universele verklaring van de rechten van de mens

Artikel 2 Een ieder heeft aanspraak op alle rechten en vrijheden, in deze Verklaring opgesomd, zonder enig onderscheid van welke aard ook, zoals ras, kleur, geslacht, taal, godsdienst, politieke of andere overtuiging, nationale of maatschappelijke afkomst, eigendom, geboorte of andere status.

Verder zal geen onderscheid worden gemaakt naar de politieke, juridische of internationale status van het land of gebied, waartoe iemand behoort, onverschillig of het een onafhankelijk, trust-, of niet-zelfbesturend gebied betreft, dan wel of er een andere beperking van de soevereiniteit bestaat.

Artikel 19 Een ieder heeft recht op vrijheid van mening en meningsuiting. Dit recht omvat de vrijheid om zonder inmenging een mening te koesteren en om door alle middelen en ongeacht grenzen inlichtingen en denkbeelden op te sporen, te ontvangen en door te geven.

NL

TEX
FONT
SAMPLER

Universal Declaration of Human Rights

Article 2 Everyone is entitled to all the rights and freedoms set forth in this Declaration, without distinction of any kind, such as race, colour, sex, language, religion, political or other opinion, national or social origin, property, birth or other status.

Furthermore, no distinction shall be made on the basis of the political, jurisdictional or international status of the country or territory to which a person belongs, whether it be independent, trust, non-self-governing or under any other limitation of sovereignty.

Article 19 Everyone has the right to freedom of opinion and expression; this right includes freedom to hold opinions without interference and to seek, receive and impart information and ideas through any media and regardless of frontiers.

Allgemeine Erklärung der Menschenrechte

Artikel 2 Jeder hat Anspruch auf die in dieser Erklärung verkündeten Rechte und Freiheiten ohne irgendeinen Unterschied, etwa nach Rasse, Hautfarbe, Geschlecht, Sprache, Religion, politischer oder sonstiger Überzeugung, nationaler oder sozialer Herkunft, Vermögen, Geburt oder sonstigem Stand.

Des weiteren darf kein Unterschied gemacht werden auf Grund der politischen, rechtlichen oder internationalen Stellung des Landes oder Gebiets, dem eine Person angehört, gleichgültig ob dieses unabhängig ist, unter Treuhandschaft steht, keine Selbstregierung besitzt oder sonst in seiner Souveränität eingeschränkt ist.

Artikel 19 Jeder hat das Recht auf Meinungsfreiheit und freie Meinungsäußerung; dieses Recht schließt die Freiheit ein, Meinungen ungehindert anzuhängen sowie über Medien jeder Art und ohne Rücksicht auf Grenzen Informationen und Gedankengut zu suchen, zu empfangen und zu verbreiten.

Déclaration universelle des droits de l'homme

Article 2 Chacun peut se prévaloir de tous les droits et de toutes les libertés proclamés dans la présente Déclaration, sans distinction aucune, notamment de race, de couleur, de sexe, de langue, de religion, d'opinion politique ou de toute autre opinion, d'origine nationale ou sociale, de fortune, de naissance ou de toute autre situation.

De plus, il ne sera fait aucune distinction fondée sur le statut politique, juridique ou international du pays ou du territoire dont une personne est ressortissante, que ce pays ou territoire soit indépendant, sous tutelle, non autonome ou soumis à une limitation quelconque de souveraineté.

Article 19 Tout individu a droit à la liberté d'opinion et d'expression, ce qui implique le droit de ne pas être inquiété pour ses opinions et celui de chercher, de recevoir et de répandre, sans considérations de frontières, les informations et les idées par quelque moyen d'expression que ce soit.

Dichiarazione universale dei diritti umani

Articolo 2 Ad ogni individuo spettano tutti i diritti e tutte le libertà enunciate nella presente Dichiarazione, senza distinzione alcuna, per ragioni di razza, di colore, di sesso, di lingua, di religione, di opinione politica o di altro genere, di origine nazionale o sociale, di ricchezza, di nascita o di altra condizione.

Nessuna distinzione sarà inoltre stabilita sulla base dello statuto politico, giuridico o internazionale del paese o del territorio cui una persona appartiene, sia indipendente, o sottoposto ad amministrazione fiduciaria o non autonomo, o soggetto a qualsiasi limitazione di sovranità.

Articolo 19 Ogni individuo ha diritto alla libertà di opinione e di espressione incluso il diritto di non essere molestato per la propria opinione e quello di cercare, ricevere e diffondere informazioni e idee attraverso ogni mezzo e senza riguardo a frontiere.

Powszechna deklaracja praw człowieka

Artykuł 2 Każdy człowiek posiada wszystkie prawa i wolności zawarte w niniejszej Deklaracji bez względu na jakiegokolwiek różnice rasy, koloru, płci, języka, wyznania, poglądów politycznych i innych, narodowości, pochodzenia społecznego, majątku, urodzenia lub jakiegokolwiek innego stanu.

Nie wolno ponadto czynić żadnej różnicy w zależności od sytuacji politycznej, prawnej lub międzynarodowej kraju lub obszaru, do którego dana osoba przynależy, bez względu na to, czy dany kraj lub obszar jest niepodległy, czy też podlega systemowi powiernictwa, nie rządzi się samodzielnie lub jest w jakikolwiek sposób ograniczony w swej niepodległości.

Artykuł 19 Każdy człowiek ma prawo wolności opinii i wyrażania jej; prawo to obejmuje swobodę posiadania niezależnej opinii, poszukiwania, otrzymywania i rozpowszechniania informacji i poglądów wszelkimi środkami, bez względu na granice.

Declaração Universal dos Direitos Humanos

Artigo 2º Todos os seres humanos podem invocar os direitos e as liberdades proclamados na presente Declaração, sem distinção alguma, nomeadamente de raça, de cor, de sexo, de língua, de religião, de opinião política ou outra, de origem nacional ou social, de fortuna, de nascimento ou de qualquer outra situação. Além disso, não será feita nenhuma distinção fundada no estatuto político, jurídico ou internacional do país ou do território da naturalidade da pessoa, seja esse país ou território independente, sob tutela, autônomo ou sujeito a alguma limitação de soberania.

Artigo 19º Todo o indivíduo tem direito á liberdade de opinião e de expressão, o que implica o direito de não ser inquietado pelas suas opiniões e o de procurar, receber e difundir, sem consideração de fronteiras, informações e idéias por qualquer meio de expressão.

Universal-deklaratioun vun de mënscherechter

Artikel 2 Jidderee kann all déi Rechter an all déi Fräiheten, déi an dëser Deklaratioun proklaméiert sin, fir sech verlaangen an dat ouni Ënnerscheid sief et vu Rass, Hautfaarf, Geschlecht, Sprooch, Relioun, politesche oder aner Iwwerzegong, nationalem oder zoialem Urspronk, Verméigen, Gebuert oder soss enger Situatioun.

Et duerf do dernieft och keen Ennerscheid gemat gin, dee mam politeschen, rechtlechen oder internationale statut vun deem Land oder deem Gebitt begrënnt gët, aus deem eng Persoun hierstaamt, egal ob dëst Land oder dëst Gebitt onofhängeg, ënner engem Mandat, nët autonom oder séng Souveränitéit an irgendenger Form begrenzt as.

Artikel 19 All Mënsch huet d'Recht op eng fräi Menong a fir se fräi auszedrécken, an deem och d'Recht mat dran as op eng Menong fräi vu Fuurcht an dat Recht fir Informatiounen an Iddiën ze sichen, ze kréien an ze verbrede mat all dene Mëttele fir sech auszedrécken, déi et gët an ouni sech mussen u Grenze vu Länner ze halen.

Universele verklaring van menseregte

Artikel 2 Elke persoon het die reg tot al die regte en vryhede soos in die Verklaring vervat is, sonder uitsondering van enige aard soos op grond van ras, geslag, kleur, taal, godsdiens, geboorte of enige ander status.

Daarbenewens sal geen onderskeid op grond van politieke, geregtelike of internasionale status van die land of gebied waartoe 'n persoon behoort gemaak word nie, hetsy dit 'n onafhanklike trust, nie-selfregerend of onder enige ander beperking van soewereiniteit is.

Artikel 19 Elkeen het die reg tot vryheid van opinie en uitdrukking; hierdie reg sluit die vryheid in om opinies sonder inmenging te lug en om inligting en idees te vra, te ontvang en te deel deur middel van enige medium ten spyte van grense.

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İnsan hakları evrensel beyannamesi

Madde 2 Herkes, ırk, renk, cinsiyet, dil, din, siyasi veya diğ er herhangi bir akide, milli veya i timai men e, servet, dođu  veya herhangi diğ er bir fark g zetilmeksizin i bu Beyannamede ilan olunan tekmil haklardan ve b t n h rriyetlerden istifade edebilir.

Bundan ba ka, bađımsız memleket uyruđu olsun, vesayet altında bulunan, gayri muhtar veya sair bir egemenlik kayıtlamasına tabi  lke uyruđu olsun, bir  ahıs hakkında, uyruđu bulunduđu memleket veya  lkenin siyasi, hukuki veya milletlerarası stat s  bakımından hi bir ayrılık g zetilmeyecektir.

Madde 19 Her ferdin fikir ve fikirlerini a klamak h rriyetine hakkı vardır. Bu hak fikirlerinden  t r  rahatsız edilmemek, memleket sınırları mevzubahis olmaksızın mal mat ve fikirleri her vasıta ile aramak, elde etmek veya yaymak hakkını i erir.

Všeobecná deklarace lidských práv

Článek 2 Každý má všechna práva a všechny svobody, stanovené touto deklarací, bez jakéhokoli rozlišování, zejména podle rasy, barvy, pohlaví, jazyka, náboženství, politického nebo jiného smýšlení, národnostního nebo sociálního původu, majetku, rodu nebo jiného postavení.

Žádný rozdíl nebude dále činěn z důvodu politického, právního nebo mezinárodního postavení země nebo území, k nimž určitá osoba přísluší, at' jde o zemi nebo území nezávislé nebo pod poručenstvím, nesamosprávné nebo podrobené jakémukoli jinému omezení suverenity.

Článek 19 Každý má právo na svobodu přesvědčení a projevu; toto právo nepřipouští, aby někdo trpěl újmu pro své přesvědčení, a zahrnuje právo vyhledávat, přijímat a rozšiřovat informace a myšlenky jakýmkoli prostředky a bez ohledu na hranice.

Universele ferklearring fan de rjochten fan de minske

Kêst 2 Elk hat oanspraak op alle rjochten en frijheden yn dizze Ferklearring opneamd, sûnder hokker ûnderskie ek mar lykas ras, kleur, slachte, taal, godstsjinst, politike of oare oertsjûging, nasjonaal of maatskiplik komôf, eigendom, berte of oare status.

Fierder sil gjin ûnderskie makke wurde nei politike, juridyske of ynternasjonale status fan it lân of gebiet, dêr't immen ta heart, likefolle as it om in ûnôfhinklik, trust- of net selsbestjoerend gebiet giet of as der in oare beheining fan 'e sûvereiniteit bestiet.

Kêst 19 Elk hat rjocht op frijheid fan miening en mieningsutering. Dat rjocht hâldt de frijheid yn om sûnder ynminging in miening te hawwen en om troch alle middels en sûnder grinzen acht te slaan, ynljochtings en tinkbylden op te spoaren, te ûntfangen en troch te jaan.

Declarația universală drepturilor omului

Articolul 2 Fiecare om se poate prevala de toate drepturile și libertățile proclamate în prezenta Declarație fără nici un fel de deosebire ca, de pildă, deosebirea de rasă, culoare, sex, limbă, religie, opinie politică sau orice altă opinie, de origine națională sau socială, avere, naștere sau orice alte împrejurări.

În afarăde aceasta, nu se va face nici o deosebire după statutul politic, juridic sau internațional al țării sau al teritoriului de care ține o persoană, fie că această țară sau teritoriu sînt independente, sub tutelă, neautonome sau supuse vreunei alte limitări a suveranității.

Articolul 19 Orice om are dreptul la libertatea opiniilor și exprimării; acest drept include libertatea de a avea opinii fără fără imixtiune din afară, precum și libertatea de a căuta, de a primi și de a răspîndi informații și idei prin orice mijloace si independent de frontierele de stat.

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Az emberi jogok egyetemes nyilatkozata

2. cikk Mindenki, bármely megkülönböztetésre, nevezetesen fajra, színre, nemre, nyelvre, vallásra, politikai vagy bármely más véleményre, nemzeti vagy társadalmi eredetre, vagyonra, születésre, vagy bármely más körülményre való tekintet nélkül hivatkozhat a jelen Nyilatkozatban kinyilvánított összes jogokra és szabadságokra.

Ezenfelül nem lehet semmiféle megkülönböztetést tenni annak az országnak, vagy területnek politikai, jogi vagy nemzetközi helyzete alapján sem, amelynek a személy állampolgára, aszerint, hogy az illető ország vagy terület független, gyámság alatt áll, nem autonóm vagy szuverenitása bármely vonatkozásban korlátozott.

19. cikk Minden személynek joga van a vélemény és a kifejezés szabadságához, amely magában foglalja azt a jogot, hogy véleménye miatt ne szenvedjen zaklatást és hogy határookra való tekintet nélkül kutathasson, átvihessen és terjeszthessen híreket és eszméket bármilyen kifejezési módon.

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Math

We cannot talk about $\text{T}_{\text{E}}\text{X}$ and not show math. The next page shows four alternatives. Computer Modern is well known to all $\text{T}_{\text{E}}\text{X}$ users because it is the default in all macro packages.

In journals and books you will often find Times Roman because publishers like this font. There are different implementations; here we show the free alternative.

If you want your documents to look less $\text{T}_{\text{E}}\text{X}$ -like, consider using Palatino or Fourier. As you can see, these alternatives also take less space. The Palatino font is quite suitable for screen documents.

$$\int \frac{1}{a + bx^2} dx = \frac{1}{2\sqrt{-ab}} \log \left(\frac{a + x\sqrt{-ab}}{a - x\sqrt{-ab}} \right) \vee \frac{1}{\sqrt{-ab}} \tanh^{-1} \left(\frac{x\sqrt{-ab}}{a} \right)$$

Computer Modern

$$\int \frac{1}{a + bx^2} dx = \frac{1}{2\sqrt{-ab}} \log \left(\frac{a + x\sqrt{-ab}}{a - x\sqrt{-ab}} \right) \vee \frac{1}{\sqrt{-ab}} \tanh^{-1} \left(\frac{x\sqrt{-ab}}{a} \right)$$

Times Roman

$$\int \frac{1}{a + bx^2} dx = \frac{1}{2\sqrt{-ab}} \log \left(\frac{a + x\sqrt{-ab}}{a - x\sqrt{-ab}} \right) \vee \frac{1}{\sqrt{-ab}} \tanh^{-1} \left(\frac{x\sqrt{-ab}}{a} \right)$$

Palatino

$$\int \frac{1}{a + bx^2} dx = \frac{1}{2\sqrt{-ab}} \log \left(\frac{a + x\sqrt{-ab}}{a - x\sqrt{-ab}} \right) \vee \frac{1}{\sqrt{-ab}} \tanh^{-1} \left(\frac{x\sqrt{-ab}}{a} \right)$$

Fourier

$$\forall x \in \mathbb{R} \left| e^{-x} = 1 - x + \frac{x^2}{2!} - \frac{x^3}{3!} + \cdots + (-1)^n \frac{x^n}{n!} \cdots \right.$$

Computer Modern

$$\forall x \in \mathbb{R} \left| e^{-x} = 1 - x + \frac{x^2}{2!} - \frac{x^3}{3!} + \cdots + (-1)^n \frac{x^n}{n!} \cdots \right.$$

Times Roman

$$\forall x \in \mathbb{R} \left| e^{-x} = 1 - x + \frac{x^2}{2!} - \frac{x^3}{3!} + \cdots + (-1)^n \frac{x^n}{n!} \cdots \right.$$

Palatino

$$\forall x \in \mathbb{R} \left| e^{-x} = 1 - x + \frac{x^2}{2!} - \frac{x^3}{3!} + \cdots + (-1)^n \frac{x^n}{n!} \cdots \right.$$

Fourier

$$\forall \triangle ABC \begin{cases} a^2 (b^2 + c^2 - 2bc \cos \alpha) \\ b^2 (a^2 + c^2 - 2ac \cos \beta) \\ c^2 (a^2 + b^2 - 2ab \cos \gamma) \end{cases}$$

Computer Modern

$$\forall \triangle ABC \begin{cases} a^2 (b^2 + c^2 - 2bc \cos \alpha) \\ b^2 (a^2 + c^2 - 2ac \cos \beta) \\ c^2 (a^2 + b^2 - 2ab \cos \gamma) \end{cases}$$

Times Roman

$$\forall \triangle ABC \begin{cases} a^2 (b^2 + c^2 - 2bc \cos \alpha) \\ b^2 (a^2 + c^2 - 2ac \cos \beta) \\ c^2 (a^2 + b^2 - 2ab \cos \gamma) \end{cases}$$

Palatino

$$\forall \triangle ABC \begin{cases} a^2 (b^2 + c^2 - 2bc \cos \alpha) \\ b^2 (a^2 + c^2 - 2ac \cos \beta) \\ c^2 (a^2 + b^2 - 2ab \cos \gamma) \end{cases}$$

Fourier

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$$\sigma(x) \approx \sqrt{\frac{\sum (x_i - \bar{x})^2}{n - 1}}$$

Computer Modern

$$\sigma(x) \approx \sqrt{\frac{\sum (x_i - \bar{x})^2}{n - 1}}$$

Times Roman

$$\sigma(x) \approx \sqrt{\frac{\sum (x_i - \bar{x})^2}{n - 1}}$$

Palatino

$$\sigma(x) \approx \sqrt{\frac{\sum (x_i - \bar{x})^2}{n - 1}}$$

Fourier

$$\sigma(x)^2 \approx \overline{(x_i - \bar{x})^2} = \frac{1}{n-1} \sum (x_i - \bar{x})^2$$

Computer Modern

$$\sigma(x)^2 \approx \overline{(x_i - \bar{x})^2} = \frac{1}{n-1} \sum (x_i - \bar{x})^2$$

Times Roman

$$\sigma(x)^2 \approx \overline{(x_i - \bar{x})^2} = \frac{1}{n-1} \sum (x_i - \bar{x})^2$$

Palatino

$$\sigma(x)^2 \approx \overline{(x_i - \bar{x})^2} = \frac{1}{n-1} \sum (x_i - \bar{x})^2$$

Fourier

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$$\frac{d\left(\frac{u}{v}\right)}{dx} = \frac{v \frac{du}{dx} - u \frac{dv}{dx}}{v^2} = \frac{1}{v} \frac{du}{dx} - \frac{1}{u} \frac{dv}{dx}$$

Computer Modern

$$\frac{d\left(\frac{u}{v}\right)}{dx} = \frac{v \frac{du}{dx} - u \frac{dv}{dx}}{v^2} = \frac{1}{v} \frac{du}{dx} - \frac{1}{u} \frac{dv}{dx}$$

Times Roman

$$\frac{d\left(\frac{u}{v}\right)}{dx} = \frac{v \frac{du}{dx} - u \frac{dv}{dx}}{v^2} = \frac{1}{v} \frac{du}{dx} - \frac{1}{u} \frac{dv}{dx}$$

Palatino

$$\frac{d\left(\frac{u}{v}\right)}{dx} = \frac{v \frac{du}{dx} - u \frac{dv}{dx}}{v^2} = \frac{1}{v} \frac{du}{dx} - \frac{1}{u} \frac{dv}{dx}$$

Fourier

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Historical notes

Gathering historical information on the Internet is not always easy, but with the knowledge of the T_EX community more pieces of the puzzle could be brought together. We would like to thank Nelson H.F. Beebe for his extensive list of references and summary of historical data. Information gathered about designers is derived from different Web sites. You will find pointers to those locations at the end of this booklet.

Nimbus Sans (Helvetica)

Name : Nimbus Sans L
Designer : URW Studio, Max Miedinger
Year : 1957 onwards
Owner : Stempel , Linotype
Copyright : URW Software: 1992, 1994 URW++: 1999

The Nimbus Sans is based on the Helvetica fonts which were designed by Max Miedinger.

Helvetica is an efficient typeface for everyday use. Professional typographers using Helvetica can produce superbly coherent and pleasing visual results. Even poor layouts with an amateur markup will remain legible. It takes some colossal typographical distortion to make Helvetica illegible, which is not a trivial design achievement.

Forty years after its introduction, there are still developments of additional fonts for the Helvetica family.

Century Schoolbook

Name : Century Schoolbook L
Designer : Morris Fuller Benton
Year : 1924
Owner : Kingsley/ATF
Copyright : URW++, 1999

The Century Schoolbook font family exists in several variations. The original design was made by Morris Fuller Benton. In 1924, Morris Fuller Benton designed a new variant for ATF of his father's design, Century Oldstyle.

Century Schoolbook has become a synonym for readability.

Palatino

Name : URW Palladio L
Designer : Hermann Zapf
Year : 1948
Owner : Stempel
Copyright : URW++, 1999

Palladio L is the name of the Palatino font variation at URW.

The original Palatino is the work of Hermann Zapf and became available in the late 1950's from D. Stempel AG in Frankfurt am Main. Zapf named the font after Giambattista Palatino, a master of scripts from the time of Leonardo da Vinci. Zapf optimized Palatino's design for legibility.

Young Ryu has prepared math symbols and extensions and made them available for $\text{T}_{\text{E}}\text{X}$ users.

Times Roman

Name : Nimbus Roman N^o9 L
Designer : Stanley Morison, Victor Lardent
Year : 1931–1935
Owner : The Times
Copyright : URW++, 1999

Nimbus Roman N^o9 L exhibits the characteristics of the Times (New) Roman design of Stanley Morison.

Young Ryu has prepared math symbols and extensions and made them available for the T_EX users.

Zapf Chancery

Name : URW Chancery L
Designer : Herman Zapf
Year : 1979
Owner : ITC
Copyright : URW++, 1999

Zapf Chancery is a distinctive calligraphic typeface design by Hermann Zapf. The roman fonts create a highly sensitive calligraphic flavor without relying on alternate letterforms.

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Antykwa Toruńska & Półtawskiego

Name : Antykwa Toruńska
Designer : Zygfryd Gardzielewski, Janusz M. Nowacki
Year : 1997
Owner : —
Copyright : Polish T_EX Users Group GUST

Name : Antykwa Półtawskiego
Designer : Zygfryd Gardzielewski, Janusz M. Nowacki
Year : 1997
Owner : —
Copyright : Polish T_EX Users Group GUST

These fonts are digitized by Janusz Nowacki and Bogusław Jackowski, who also reworked the Computer Modern typefaces.

Fourier

Name : Fourier (math)
Designer : Michel Bovani inspired by Adobe Utopia
Year : 2003
Owner : lppl license
Copyright : GUTenberg, 2003

These fonts extend the Utopia font with math symbols and extensions. The fonts are named after the mathematician Joseph Fourier (1768–1830) and the utopist philosopher Charles Fourier (1772–1837).

The original idea was to design a complete font collection for Cahiers GUTenberg. Utopia was chosen as the base font rather than Minion or Adobe Garamond. The licence status of Utopia allows GUTenberg to make the font set accessible to everybody.

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Courier

Name : Nimbus Mono L
 Designer : —
 Year : —
 Owner : —
 Copyright : URW++, 1999

Nimbus is an implementation of Courier. Everyone recognizes Courier as the face originally designed for use on typewriters. A typical characteristic of older typewriters is that all characters are given the same amount of space regardless of their width. Hence, an ‘i’ receives just as much room as an ‘m’, even though it is narrower. This principle defined the look of Courier. A line in this typeface has ‘gaps’ in what would otherwise be a homogeneous look. Due to its origins, Courier is associated with office and telegram-like text. It is often seen in advertisements, especially when the subject deals with messages, telegrams and alike.

Utopia

Name : Utopia
Designer : Robert Slimbach
Year : 1992
Owner : —
Copyright : Adobe Systems Inc., 1989, 1991

Utopia was intended to solve a number of typographic problems related to office correspondence. Office environments demand versatility, so Slimbach created a font family with cuts for text as well as titles. He also provided an extra bold variant for headlines, small caps, all caps with numerals, old-style numerals, fractions, ligatures and scientific markings.

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Charter

Name : Bitstream Charter

Designer : Matthew Carter

Year : 1987

Owner : ITC

Copyright : unpublished work by Bitstream Inc., 1987-1990

The typeface was designed with the limitations of low- and middle-resolution output devices in mind. The serifs are squared and lack excessive diagonals and curves. The design, however, became an instant success on its own merits. It is an excellent everyday typeface for a wide variety of uses including books and technical manuals.

Bitstream offers small-cap, extension, and alternate typographer sets that help to make Charter more versatile and functional. ITC bought the Charter designs in 1993. Bitstream retains the right to sell the original designs.

Bookman Light

Name : URW Bookman L
Designer : Chauncey H. Griffith, Alexander Phemister
Year : 1936
Owner : Kingsley/ATF
Copyright : URW++, 1999

The Bookman font is designed after Alexander Phemister's Antique Old Style, a font introduced as a textface at the end of the 19th century.

Bookman L is a little lighter than the original.

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Type foundries

Adobe

When Adobe began digitizing fonts in the early 1980's, they took many existing designs, licensed them from the original vendors (Monotype, Linotype, and others), and created Type 1 font file representations thereof.

Later, Adobe did its own font designs: Stone and Myriad are two nice examples that have been used for their own books, and also for some books in the T_EX community (e.g., the L^AT_EX Graphics Companion is set in Adobe Janson).

Many of these fonts have been tweaked over the years, with tiny changes in shapes, and unfortunately, also in metrics (the afm files). This means that documents that do not embed fonts might not be exactly displayable with their original appearance.

In most cases, the changes are small, and probably not noticeable on the screen on printed page, but sometimes, additional

glyphs may have been added, so a newer document that uses such glyphs might not print correctly on an older printer with built-in fonts missing those new glyphs. The most famous addition has been the Euro symbol, but there are likely others.

Bitstream

Bitstream was founded in 1981. Bitstream is the first digital font foundry. In 1999, Bitstream created MyFonts.com, Inc., a website for finding, trying, and buying fonts online.

Like Adobe, Bitstream has prepared digital representations of existing fonts and designed new ones.

URW

Another well known font-foundry is URW (Unternehmensberatung Rubow Weber), later renamed to URW++. URW was founded by Gerhard Rubow and Rudolf Weber in 1971, joined in 1972 by Peter Karow, who has written several books about font design and font technology. Their website offers a useful font search resource.

ITC

ITC (International Typeface Corporation) was founded in 1970 by New York advertising designer Aaron Burns, type designer Herb Lubalin, and Ed Rondthaler. It established its reputation with a series of new advertising designs which were distributed through all the major typesetter manufacturers.

ITC now has a digital type library of more than 1000 original designs, many of which are licensed to other companies, and releases more than 100 new typefaces each year. In 2000 ITC was acquired by Agfa-Monotype.

Kingsley/ATF

In 1892 twenty-three companies merged into American Type Founders. In the 1920's ATF became the dominant American type foundry and main player in the world's printing equipment market.

This strong position did not last, due to the ever-changing nature of the printing industry. Kingsley, a manufacturer of imprinting and marking equipment, acquired ATF in 1986,

and the type division became Kingsley/ATF Type Corporation. The foundry closed in 1993.

Today ATF is only visible in licensing deals with digital foundries such as Bitstream and Adobe.

TEX
FONT
SAMPLER

Font designers

Morris Fuller Benton (1872–1948)

After graduating in 1896 Morris Fuller Benton joined American Type Founders. In 1900 he became American Type Founders' chief type designer. He spent his entire working life at ATF.

Michel Bovani (1953)

Michel Bovani is French and lives in Tours. He is a math teacher at a high school. In 1995 he entered the T_EX community.

Mathew Carter (1937)

Matthew Carter is a type designer with more than forty years' experience of typographic technologies ranging from hand-cut punches to computer fonts. After a long association with the Linotype companies he was a co-founder in 1981 of Bitstream Inc. He is now a principal of Carter & Cone Type Inc., in

Cambridge, Massachusetts, designers and producers of original typefaces. Carter & Cone have produced types among others on commission for Apple and Microsoft (the screen fonts Verdana, Tahoma, and Georgia).

Chauncey H. Griffith (1879–1956)

Griffith started as typesetter and machine compositor. In 1915 he became assistant to the president of Mergenthaler Linotype Company, where he was newspaper typesetting specialist.

In 1936 he moved into the position of vice president of Mergenthaler Linotype with responsibility for typographic development.

Bogusław Jackowski

Bogusław Jackowski is well known in the T_EX community for his in-depth knowledge of PostScript and fonts. He has contributed to the revival, development and perfection of Polish fonts as well as to the Latin Modern Typefaces. He is also

the (co)author of several tools for font manipulation and generation.

Donald Knuth (1938)

Donald E. Knuth is the author of T_EX, MetaFont, and the Computer Modern Typeface. The main force behind his development was that he wanted to typeset *The Art of Computer Programming* in the best traditions of typesetting. He is well known for his excellent publications on math, computer science, automated typesetting and related topics.

Donald Knuth is professor emeritus of Computer Science at Stanford University. The best way to get an impression of his high productivity is to visit his website <http://www-cs-faculty.stanford.edu/~knuth>.

Max Miedinger (1910–1980)

In the 1950s the Swiss font designer Miedinger worked as a customer counselor and typeface sales representative for the Haassche Schriftgiesserei (Haas Type Foundry) in Münchenstein near Basle.

In 1956 Eduard Hoffmann, the director of HS, commissioned Miedinger to develop a new sans-serif typeface based on the existing Haas-Grotesk. In 1960 the typeface changed its name from Neue Haas-Grotesk to Helvetica.

In the 1960's Mergenthaler Linotype adopted the Stempel series and further developed it by adding several new members to the Helvetica typeface family. In the meantime Helvetica became one of the best known and most widely used typeface in recorded history, the other one being Times Roman.

Stanley Morison (1889–1967)

After the First World War the English designer Stanley Morison became the supervisor of design work at Mynell's Pelican Press. He joined the Cloister Press in 1921. In 1923, he became the typographical adviser to the Monotype Corporation as well as to Cambridge University Press. In 1929, Morison became a staff member of The Times as a typographic advisor.

After intensive studies at the Plantin-Moretus museum in Antwerp he dictated the design of Times Roman which was

then drawn by Victor Lardent, a draftsman at the advertising department of The Times.

Times (New) Roman was introduced on October 3, 1932. After one year of exclusive use The Times permitted the release of the typeface for general use.

Janusz M. Nowacki

Janusz M. Nowacki is the (co)author of the Antikwa fonts. He is a professional stamp producer and has contributed to many font developments in the Polish T_EX community. He runs his own company.

Alexander Phemister (1829–1894)

Phemister, a Scottish punchcutter, was active in the revival of oldstyle designs at Miller & Richard in the 1850s. He went to America in 1861 and worked at the Bruce typefoundry for two years. After that he started working for the Dickinson foundry. In 1872 this foundry was ravaged by fire; Phemister was made a partner by its founder Samuel Nelson Dickinson and worked there until his retirement in 1891.

Young U. Ryu

Young U. Ryu is Associate Professor of Information Systems at the School of Management, The University of Texas at Dallas. He holds a Ph.D. degree in Management Science and Information Systems from the Graduate School of Business, The University of Texas at Austin.

Robert Slimbach (1956)

After training from 1983 to 1985, he worked as a font designer with Autologic Incorporation. There he received further training, not just as a font designer but also as a calligrapher. Following this he was then self-employed for two years and developed the two fonts ITC Slimbach and ITC Giovanni for the International Typeface Corporation in New York.

In 1987 he joined Adobe Systems. Since then, he has been involved in developing new fonts for the Adobe Originals program. During his time at Adobe Systems, Slimbach went to the Plantin-Moretus museum in Antwerp, Belgium, to study the original Garamond typefaces. These served as the basis for the design of Adobe Garamond.

Hermann Zapf (1918)

Starting in 1934, Hermann Zapf began a four year training as a retoucher. In 1938 he began to work at Paul Koch's workshop in Frankfurt where he studied printing, punchcutting, and other related skills, and also met August Rosenberger who was a master punchcutter.

With the collaboration of Rosenberger, Zapf produced a book of 25 calligraphic alphabets titled, 'Pen and Graver' which was published by Stempel in 1949. In addition to this, Hermann Zapf published superb material on his favourite subjects of type design, typography and lettering. Titles include: Manuale typographicum (1954); About alphabets, some marginal notes on type design (1960); Typographische Variationen (1963); Hunt Roman, the birth of a type (1965); Orbis Typographicus (1980) and Hermann Zapf and his design Philosophy (1987).

Hermann Zapf designed a large number of fonts. He worked with Donald Knuth on the Euler font family. He is an honorary member of the German language T_EX users group DANTE. Part of his revolutionary work on paragraph optimization made it into pdfT_EX's paragraph builder.

TEX FONT SAMPLER

Fonts on the internet

<http://www.math.utah.edu>

[/pub/tex/bib/index-table-f.html#font](http://www.math.utah.edu/pub/tex/bib/index-table-f.html#font)

[/pub/tex/bib/index-table-f.html#type](http://www.math.utah.edu/pub/tex/bib/index-table-f.html#type)

[/pub/tex/bib/index-table-f.html#typeset](http://www.math.utah.edu/pub/tex/bib/index-table-f.html#typeset)

<http://cgm.cs.mcgill.ca/~luc/fonts.html>

<http://www.adobe.com>

<http://www.bitstream.com>

<http://www.fonts.com>

<http://www.fontshop.de> (be)

<http://www.fontexplorer.com>

<http://www.identifont.com>

<http://www.itcfonts.com>

<http://www.myfonts.com>

<http://www.urw.de>

TEX FONT SAMPLER



T_EX is a typographical computer language as well as a typesetting engine that can handle that language. With T_EX you can typeset complex documents, including math formulas. T_EX's author is the well-known mathematician and computer scientist, Donald E. Knuth.

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T_EX Live is by common consensus the easiest way to get up and running with T_EX. It provides a ready-to-run T_EX system for most types of Unix, MacOS X, and Windows, and includes all major T_EX-related programs. It also includes a complete tree of fonts and macros, with support for many languages (from: <http://www.tug.org/textlive>).