



TEX GYRE MATH FONTS

TG Pagella Math, ver. 1.007, May 30th, 2012:
comparison with other math fonts using various engines

Lua^ATeX

X_Y^ATeX

MS Word 2010

TG Pagella Math	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$
LM Math	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$
Cambria Math	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=1}^n \binom{n}{k} x^k a^{n-k}$
Asana Math	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$
Lucida Math OT	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$
XITS Math	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$	$(x+a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$

TG Pagella Math	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$
LM Math	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$
Cambria Math	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$
Asana Math	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$
Lucida Math OT	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$a \frac{a}{b} \frac{a}{c}$
XITS Math	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$	$\langle a \rangle \left\langle \frac{a}{b} \right\rangle \left\langle \frac{a}{c} \right\rangle$

Lua^AT_EX

X_ƎL^AT_EX

MS Word 2010

TG Pagella Math

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LM Math

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Cambria Math

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Asana Math

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Lucida Math OT

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XITS Math

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TG Pagella Math

PDF^AT_EX
(CM fonts)

$$\frac{\partial \mathbf{H}_{i\alpha, i\beta}}{\partial \vec{R}_k} = \frac{\partial \mathbf{H}_{i\alpha, i\beta}}{\partial \varrho_i} \frac{\partial \varrho_i}{\partial \vec{R}_k} = \frac{2}{3} \left(b_q \varrho_i^{-1/3} + 2c_q \varrho_i^{1/3} \right) \frac{\partial}{\partial \vec{R}_k} \left(\sum_{j \neq i} e^{(-\lambda^2 R_{ij})} F_c(R_{ij}) \right)$$

$$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\overline{X}^T)^{-1} - (\overline{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{2^8} \right)^n$$

Lua^AT_EX

$$\frac{\partial \mathbf{H}_{i\alpha, i\beta}}{\partial \vec{R}_k} = \frac{\partial \mathbf{H}_{i\alpha, i\beta}}{\partial \varrho_i} \frac{\partial \varrho_i}{\partial \vec{R}_k} = \frac{2}{3} \left(b_q \varrho_i^{-1/3} + 2c_q \varrho_i^{1/3} \right) \frac{\partial}{\partial \vec{R}_k} \left(\sum_{j \neq i} e^{(-\lambda^2 R_{ij})} F_c(R_{ij}) \right)$$

$$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\overline{X}^T)^{-1} - (\overline{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{2^8} \right)^n$$

X_ƎL^AT_EX

$$\frac{\partial \mathbf{H}_{i\alpha, i\beta}}{\partial \vec{R}_k} = \frac{\partial \mathbf{H}_{i\alpha, i\beta}}{\partial \varrho_i} \frac{\partial \varrho_i}{\partial \vec{R}_k} = \frac{2}{3} \left(b_q \varrho_i^{-1/3} + 2c_q \varrho_i^{1/3} \right) \frac{\partial}{\partial \vec{R}_k} \left(\sum_{j \neq i} e^{(-\lambda^2 R_{ij})} F_c(R_{ij}) \right)$$

$$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\overline{X}^T)^{-1} - (\overline{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{2^8} \right)^n$$

Glyph repertoire of TG Pagella Math

[illegible]