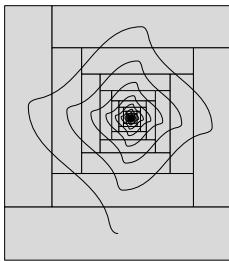


GUST e-Foundry MATH FONTS



Latin Modern Math, ver. 1.958
T_EX Gyre Bonum Math, ver. 1.002
T_EX Gyre Schola Math, ver. 1.526
T_EX Gyre Pagella Math, ver. 1.605
T_EX Gyre Termes Math, ver. 1.502

comparison with other math fonts using various engines, 2 V 2014

	ConTeXt	LuaL ^A T _E X	X _E L ^A T _E X	MS Word 2010
Latin Modern Math				
TG Bonum Math				
TG Schola Math				
TG Pagella Math				
TG Termes Math				
Cambria Math				
Asana Math				
Lucida Math				
XITS Math				

Latin Modern Math

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

PDFL^AT_EX
(CM fonts)

$$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\overline{X}^T)^{-1} - (\overline{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{28} \right)^n$$

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

ConTeXt

$$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\overline{X}^T)^{-1} - (\overline{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{28} \right)^n$$

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

LuaL^AT_EX

$$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\overline{X}^T)^{-1} - (\overline{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{28} \right)^n$$

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

X_EL^AT_EX

$$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\overline{X}^T)^{-1} - (\overline{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{28} \right)^n$$

T_EX Gyre Bonum Math

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

ConT_EExt

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

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

LuaL^AT_EX

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

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

X_EL^AT_EX

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

T_EX Gyre Schola Math

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

ConT_EExt

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

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

LuaL^AT_EX

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

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

X_EL^AT_EX

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

T_EX Gyre Pagella Math

ConTeXt	$\frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \vec{R}_k} = \frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \varrho_i} \frac{\partial \varrho_i}{\partial \vec{R}_k} = \frac{2}{3} (b_q \varrho_i^{-1/3} + 2c_q \varrho_i^{1/3}) \frac{\partial}{\partial \vec{R}_k} \left(\sum_{j \neq i} e^{(-\lambda^2 R_{ij})} F_c(R_{ij}) \right)$
LuaLaTeX	$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\bar{X}^T)^{-1} - (\bar{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{2^8} \right)^n$
XeLaTeX	$\frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \vec{R}_k} = \frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \varrho_i} \frac{\partial \varrho_i}{\partial \vec{R}_k} = \frac{2}{3} (b_q \varrho_i^{-1/3} + 2c_q \varrho_i^{1/3}) \frac{\partial}{\partial \vec{R}_k} \left(\sum_{j \neq i} e^{(-\lambda^2 R_{ij})} F_c(R_{ij}) \right)$
	$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\bar{X}^T)^{-1} - (\bar{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{2^8} \right)^n$
	<h2>T_EX Gyre Termes Math</h2>
ConTeXt	$\frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \vec{R}_k} = \frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \varrho_i} \frac{\partial \varrho_i}{\partial \vec{R}_k} = \frac{2}{3} (b_q \varrho_i^{-1/3} + 2c_q \varrho_i^{1/3}) \frac{\partial}{\partial \vec{R}_k} \left(\sum_{j \neq i} e^{(-\lambda^2 R_{ij})} F_c(R_{ij}) \right)$
LuaLaTeX	$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\bar{X}^T)^{-1} - (\bar{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{2^8} \right)^n$
	$\frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \vec{R}_k} = \frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \varrho_i} \frac{\partial \varrho_i}{\partial \vec{R}_k} = \frac{2}{3} (b_q \varrho_i^{-1/3} + 2c_q \varrho_i^{1/3}) \frac{\partial}{\partial \vec{R}_k} \left(\sum_{j \neq i} e^{(-\lambda^2 R_{ij})} F_c(R_{ij}) \right)$
XeLaTeX	$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\bar{X}^T)^{-1} - (\bar{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{2^8} \right)^n$
	$\frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \vec{R}_k} = \frac{\partial \mathbf{H}_{i\alpha,i\beta}}{\partial \varrho_i} \frac{\partial \varrho_i}{\partial \vec{R}_k} = \frac{2}{3} (b_q \varrho_i^{-1/3} + 2c_q \varrho_i^{1/3}) \frac{\partial}{\partial \vec{R}_k} \left(\sum_{j \neq i} e^{(-\lambda^2 R_{ij})} F_c(R_{ij}) \right)$
	$\frac{\ln \left(\lim_{z \rightarrow \infty} \left(\left((\bar{X}^T)^{-1} - (\bar{X}^{-1})^T \right) + \frac{1}{z} \right)^2 \right) + \sin^2(p) + \cos^2(p)}{\sum_{n=0}^{\infty} \frac{\cosh(q) \cdot \sqrt{1 - \tanh^2(q)}}{2^n}} = \frac{1}{2} \sum_{n=0}^{\infty} \left(\frac{128}{2^8} \right)^n$

Glyph repertoire of T_EX Gyre Bonum Math

Glyph repertoire of TeX Gyre Schola Math

Glyph repertoire of T_EX Gyre Pagella Math

Glyph repertoire of T_EX Gyre Termes Math