MathMagic Equation & Font Samples

[Math+Magic]™ mathmagic

$$\frac{-b \pm \sqrt{b^2-4ac}}{2a} \qquad d = \frac{|ax_1 + by_1 + c|}{\sqrt{a^2+b^2}}$$

$$V(X) = \int_{\alpha}^{\beta} (x-m)^2 f(x)dx$$
$$= \int_{\alpha}^{\beta} x^2 f(x)\,dx - m^2$$

$$\int_a^b f(x)dx = \lim_{n\to\infty} \sum_{k=0}^{n-1} f(x_k)\cdot \Delta x$$
$$= \lim_{n\to\infty} f(x_{k-1})\cdot \Delta x$$

$$\int_{\alpha}^{\beta} [ax + b - \{aE(X)+b\}]^2 f(x)dx$$

$$\sigma(X) = \sqrt{\int_{\alpha}^{\beta} (x-m)^2 f(x)dx}$$
$$= \sqrt{\int_{\alpha}^{\beta} x^2 f(x)dx - m^2}$$

$$\int_{-\infty}^{+\infty} |a(t)|^2 dx \cdot \left| \lambda - \frac{\int_{-\infty}^{+\infty} A(t)B(t)}{\int_{-\infty}^{+\infty} |B(t)|^2 dt} \right|^2$$

$$\overline{C}_{mn}(\tau) = \lim_{T\to\infty}\left[\frac{1}{T}\int_{-T/2}^{+T/2} g_m(t)g_n(t-\tau)dt\right]$$

$$[e_s] = \sqrt{\int_{-\infty}^{+\infty} \sigma^2 \frac{\exp\left(-x^2/2\sigma^2\right)}{\sqrt{2\pi}\,\sigma} dx} = \sigma$$

$$h(t_n) = \sum_{m=1}^{M}\left(\frac{d[z^{1-m}H(z)^{-1}]}{dz}\bigg|_{z=z_m}\right)^{-1}$$

$$f(x) = \begin{cases} 0 & \text{if } x < 2a \text{ or } x \geq 2b, \\ \dfrac{x-2a}{(b-a)^2} & \text{if } 2a \leq x \leq a+b, \\ \dfrac{2b-x}{(b-a)^2} & \text{if } a+b \leq x < 2b \end{cases}$$

$$[\overline{\tau}]_{lam} = \begin{bmatrix} \overline{\tau}_{xx} & \overline{\tau}_{xy} & \overline{\tau}_{xz} \\ \overline{\tau}_{yx} & \overline{\tau}_{yy} & \overline{\tau}_{yz} \\ \overline{\tau}_{zx} & \overline{\tau}_{zy} & \overline{\tau}_{zz} \end{bmatrix}_{lam} = \begin{bmatrix} 2\mu\dfrac{\partial \overline{u}}{\partial x} & \mu\left(\dfrac{\partial \overline{u}}{\partial y} + \dfrac{\partial \overline{v}}{\partial x}\right) & \mu\left(\dfrac{\partial \overline{u}}{\partial z} + \dfrac{\partial \overline{w}}{\partial x}\right) \\ \mu\left(\dfrac{\partial \overline{v}}{\partial x} + \dfrac{\partial \overline{u}}{\partial y}\right) & 2\mu\dfrac{\partial \overline{v}}{\partial y} & \mu\left(\dfrac{\partial \overline{v}}{\partial z} + \dfrac{\partial \overline{w}}{\partial y}\right) \\ \mu\left(\dfrac{\partial \overline{w}}{\partial x} + \dfrac{\partial \overline{u}}{\partial z}\right) & \mu\left(\dfrac{\partial \overline{w}}{\partial y} + \dfrac{\partial \overline{v}}{\partial z}\right) & 2\mu\dfrac{\partial \overline{w}}{\partial z} \end{bmatrix}$$

$$P_o(\omega) = \int_{-\infty}^{+\infty}\int_{-\infty}^{+\infty}\int_{-\infty}^{+\infty} h(\xi_1)h(\xi_2) \times \overline{C}_i(\zeta)\exp\{j\omega(\zeta - \xi_1 + \xi_2)\}d\zeta d\xi_1 d\xi_2$$

$$\mathrm{var}_{g^*}\{\bar{l}\} = \left(\int |Q(x)|\,dx\right)^2 - l^2 = \left(\int \left|\sum_{i=1}^{m} a_i L_i(x)\right| dx\right)^2 - \left(\int a_i L_i(x)\,dx\right)$$

$$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{unlimited}}}}}}}}}}}\frac{a}{b} \qquad \begin{pmatrix} \frac{2x}{2} & \frac{1}{2} \\ \frac{3}{4} & 3a \end{pmatrix}$$

other way

$$\begin{array}{r} 2\ 3 \\ \times\ 3\ 1 \\ \hline 2\ 3 \\ 6\ 9 \\ \hline 7\ 1\ 3 \end{array} \qquad \begin{array}{r} 2\ 3 \\ \times\ 3\ 1 \\ \hline 2\ 3 \\ \square\ \square \\ \hline \square\ \square\ \square \end{array} \qquad x+1\overline{)\,x+3}\quad x^2+3x+2 \qquad \begin{array}{r} 345 \\ \hline 23\overline{)7935} \end{array} \qquad \boxed{\begin{array}{r} 345 \\ \hline 23\overline{)7935} \end{array}}$$

$$0.2\,1 \times 1\tfrac{2}{7} \div 0.9 = \frac{2\,1}{1\,0\,0} \times \frac{9}{7} \div \frac{9}{1\,0}$$
$$= \frac{2\,1}{1\,0\,0} \times \frac{9}{7} \times \frac{1\,0}{9}$$
$$= \frac{\overset{3}{\cancel{2\,1}}}{\underset{1\,0}{\cancel{1\,0\,0}}} \times \frac{\overset{1}{\cancel{9}}}{\underset{1}{\cancel{7}}} \times \frac{\overset{1}{\cancel{1\,0}}}{\underset{1}{\cancel{9}}}$$
$$= \frac{3}{1\,0}$$

$$\underbrace{2NH_4IO_3(aq)}_{\text{solution}}$$

$$\overset{a}{\underset{b}{\rightleftarrows}} \quad \overset{a}{\rightleftarrows} \quad \overset{a}{\rightleftarrows} \quad \overset{}{\underset{b}{\rightleftarrows}}$$

$$C_z^{-M}\frac{\prod_{m=1}^{M_o}(z-z_m^0)}{\prod_{m=1}^{M_o}(z-z_m^\infty)}$$

$$\left[\left(\left\{\frac{a}{b}\right\}^2\right)^2\right]^2 \left[\left(\left\{\frac{a}{b}\right\}^2\right)^2\right]^2 \left[\left(\left\{\frac{a}{b}\right\}^2\right)^2\right]^2 a\frac{a}{b\frac{a}{b}}\left\{a\frac{a}{b\frac{a}{b}}\right\}\left\{a\frac{a}{b\frac{a}{b}}\right\}\left\{a\frac{a}{b\frac{a}{b}}\right\}\left\{a\frac{a}{b\frac{a}{b}}\right\}\left\{a\frac{a}{b\frac{a}{b}}\right\}$$

$$\overbrace{\text{Moles of AgBr}}^{\text{n}} = \overbrace{(56.4\,\text{g AgBr}) \times \left(\frac{1\,\text{mol AgBr}}{187.78\,\text{g AgBr}}\right)}^{\text{n/M}}$$

$$\underbrace{Ba(NO_3)_2(aq)}_{\text{solution}} + \underbrace{2NH_4IO_3(aq)}_{\text{solution}} \rightarrow \underbrace{Ba(IO_3)(s)}_{\text{pre}} + \underbrace{2NH_4NO_3(aq)}_{\text{solution}}$$

$$Ba^{2+}(aq) + 2NO_3^-(aq) + 2NH_4^+(aq) + 2IO_3^-(aq) \rightarrow Ba(IO_3)_2(s) + 2NH_4^+(aq) + 2NO_3^-(aq)$$

123 abc ACE

a dac

$$\begin{array}{r} 3x+9 \\ x^2-3x+2\overline{)3x^3+\square-2x+20} \\ 3x^3-9x^2+6x \\ \hline 9x^2-8x+20 \\ 9x^2-27x+18 \\ \hline 19x+2 \end{array}$$

$$(\nabla \cdot \tau)_\theta = \frac{1}{r^3}\frac{\partial}{\partial r}(r^2\tau_{r\theta}) + \frac{1}{r\sin\theta}\frac{\partial}{\partial\theta}(\tau_{\theta\theta}\sin\theta) + \frac{1}{r\sin\theta}\frac{\partial}{\partial\varphi}\tau_{\varphi\theta} - \frac{(\tau_{\theta r} - \tau_{r\theta}) - \tau_{\varphi\varphi}\cot\theta}{r}$$

$$(\nabla^2 v)_r = \frac{\partial}{\partial r}\left(\frac{1}{r^2}\frac{\partial}{\partial r}(r^2 v_r)\right) + \frac{1}{r^2\sin\theta}\frac{\partial}{\partial\theta}\left(\sin\theta\frac{\partial v_r}{\partial\theta}\right) + \frac{1}{r^2\sin^2\theta}\frac{\partial^2 v_r}{\partial\varphi^2} - \frac{2}{r^2\sin\theta}\frac{\partial}{\partial\theta}(v_\theta\sin\theta) - \frac{2}{r^2\sin\theta}\frac{\partial v_\varphi}{\partial\varphi}$$

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ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩαβγδεεζηθϑικλμνξοπϖρϑσϛτυϕ

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𝔄𝔅ℭ𝔇𝔈𝔉𝔊ℌℑ𝔍𝔎𝔏𝔐𝔑𝔒𝔓𝔔ℜ𝔖𝔗𝔘𝔙𝔚𝔛𝔜ℨ𝔞𝔟𝔠𝔡𝔢𝔣𝔤𝔥𝔦𝔧𝔨𝔩𝔪𝔫𝔬𝔭𝔮𝔯𝔰𝔱𝔲𝔳𝔴𝔵𝔶𝔷

1234567890𝕬𝕭𝕮𝕯𝕰𝕱𝕲𝕳𝕴𝕵𝕶𝕷𝕸𝕹𝕺𝕻𝕼𝕽𝕾𝕿𝖀𝖁𝖂𝖃𝖄𝖅𝖆𝖇𝖈𝖉𝖊𝖋𝖌𝖍𝖎𝖏𝖐𝖑𝖒𝖓𝖔𝖕𝖖𝖗𝖘𝖙𝖚𝖛𝖜𝖝𝖞𝖟

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