$\pi = 3.14159265358979323846264338327950288419716939937510582097494459230781640$

$\frac{d}{dx}\ln(g(x)) = \frac{g'(x)}{g(x)}$ $|G| = \sum [G : G_{s_i}]$ $\int \cos x\,dx = \sin x + C$ $(A-\lambda I)\,x = 0$ $F_n = F_{n-1}+F_{n-2}$

$|\langle x,y\rangle|^2 \le \langle x,x\rangle\cdot\langle y,y\rangle$ $\oint_C f(z)\,dz = 2\pi i\sum \mathrm{Res}(f(z),z_k)$ $\sum\binom{n}{j}\binom{m}{k-j}=\binom{m+n}{k}$ $P\to Q \equiv \neg Q\to\neg P$

$\frac{d}{dx}f(x)=\lim_{h\to0}\frac{f(x+h)-f(x)}{h}$ $a^{p-1}\equiv 1 \pmod p$ $(x+y)^p \equiv x^p+y^p \pmod p$ $\frac{d}{dx}\csc x = -\csc x\cot x$

$x^2\frac{d^2y}{dx^2}+x\frac{dy}{dx}+(x^2-\alpha^2)y=0$ $\frac{\partial^2 f(x,y)}{\partial x\partial y}=\frac{\partial^2 f(x,y)}{\partial y\partial x}$ $f(a)=\frac{1}{2\pi i}\oint_{\mathcal C}\frac{f(z)}{z-a}\,dz$ $G/H=\{gH \mid g\in G\}$ $\mathbb Z/2\mathbb Z$

$\binom{n}{k}=\frac{n!}{k!(n-k)!}$ $\chi(n)$ $\phi(n)=n\prod_{p|n}\left(1-\frac1p\right)$ $\sum_{n=0}^\infty ar^n = \frac{a}{1-r}$

$J_f=\frac{\partial\vec f}{\partial\vec x}$ $a^2+b^2=c^2$ $\mathbb F$ $f(x)=\sum_{n=0}^{\infty} \frac{f^{(n)}(a)}{n!}(x-a)^n$

$\int_{\partial\Omega}\omega=\int_\Omega d\omega$ $\aleph_0$

$V-E+F=2$ $e^{i\theta}=\cos\theta+i\sin\theta$ $a\cdot b=\|a\|\,\|b\|\cos\theta$

$\frac{d}{dx}\tan x=\sec^2 x$

$\int_{-\infty}^\infty e^{-x^2}\,dx=\sqrt\pi$ $\sum_{n=1}^\infty\frac1{n^2}=\frac{\pi^2}{6}$ $\delta(x)$ $\sum x_n\, e^{\frac{-i2\pi kN}{n}}$ $n(\gamma;\zeta)=\int_\gamma\frac{dz}{1-\zeta}$

$\lambda x.(\sum n)^2=\sum n^3$ $\Omega_F=\sum_{p\in P_F}2^{-|p|}$ $x^n+y^n\neq z^n$ ξ

$e^{\pi i}+1=0$ $A\cup\bar A=U$ $\sin^2x+\cos^2x=1$ $Pr(\theta)=\sum r^{|n|}e^{in\theta}$ Γ $f'(c)=\frac{f(b)-f(a)}{b-a}$

$\Box(\Box P\to P)\to P$ $\frac{a+b}{a}=\frac ab=\varphi$ $\gcd(a^{n!}-1,N)\stackrel{?}{=}p$ $\sum_{n=0}^\infty p(n)x^n=\prod_{k=1}^\infty\left(\frac1{1-x^k}\right)$

$\det\exp A=\exp\operatorname{tr}A$ $\lim_{x\to c}\frac{f(x)}{g(x)}=\lim_{x\to c}\frac{f'(x)}{g'(x)}$

$e^x=\sum\frac{x^n}{n!}$ G $\lim_{x\to0}\frac{\sin x}{x}=1$ $\varphi=1.61803398874$ $y(x,t)=A\sin(kx-\omega t)$

$\mathbb R$

$p_A(A)=0$ π f $GL_2(\mathbb R)$ $x=\frac{-b\pm\sqrt{b^2-4ac}}{2a}$ $\sum n=\frac{-1}{12}$ $y=\frac1x$, π ∞ LaTeX

$K_4\triangleleft S_4$ $D_8<S_4$ $\sum_{i=1}^n i=\frac{n(n+1)}{2}$ $B(x)=e^{e^x-1}$ $V=\pi\int|f^2(y)-g^2(y)|\,dy$

57 $\mathcal U$ $G/H \xrightarrow[\exists!\bar f]{} G'$ $\bigcirc=\pi R^2$ $\mathbb Q$ $\mathrm{BB}(3)=21$ $\sin^{-1}x+\cos^{-1}x=\frac\pi2$ $\frac1p+\frac1q=1$

$\mathrm{Im}(f_i)=\ker(f_{i+1})$ $M_p=2^p-1$ $\mathbb R$ $p\iff q$ $p_u(v)=\frac{u\langle v,u\rangle}{\langle u,u\rangle}$ $\phi(gh)=\phi(g)\phi(h)$

$|\mathcal O(x)|=[G:G_x]$ $FA\cong\bigotimes\mathbb Z/p_i^{e_i}\mathbb Z$ $\sum_{k=0}^n e^{\left(\frac{2\pi ik}{n}\right)}=1$ $\frac zc=\frac{x^2}{a^2}-\frac{y^2}{b^2}$ $\frac12(a+b)\ge\sqrt{ab}$ $\sum\frac1n\to\infty$

$\mathbb C$

$t_n=n^{n-2}$ $\forall\varepsilon>0\exists\delta>0$ 1 4 6 4 1 $\frac{SN}{N}\cong\frac{S}{S\cap N}$

$A=LDU$ $E=mc^2$ $\|fg\|_1\le\|f\|_p\|g\|_q$ $|x|_p=p^{-a}$ 1 3 3 1 $\frac{|G|}{|H|}=[G:H]$

1 1

1

$\zeta(s)=\sum_{n=1}^\infty\frac1{n^s}$ $\omega_1\times[0,1)$ $G_\delta=\cap U_i$ $\|\vec x\|_p:=\left(\sum_{i=1}^n|x_i|^p\right)^{1/p}$ $\gcd(a,b)=ax+by$ $\vec\beta=(X^TX)^{-1}X^T\vec y$

$0\to G\to H\to K\to0$ $\sum k^2=\frac{n(n-1)(2n-1)}{6}$ $C_n=\frac1{n+1}\binom{2n}{n}$ $\mathrm P(A|B)=\frac{\mathrm P(B|A)\mathrm P(A)}{\mathrm P(B)}$

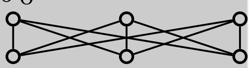
$\nabla=\left(\frac{\partial}{\partial x_1},\dots,\frac{\partial}{\partial x_n}\right)$ $\Gamma(z)=\int t^{z-1}e^{-t}\,dt$ $x\wedge y=-y\wedge x$ $196884=196883+1$

$\frac{x}{e^x-1}=\sum_{0\le n}\frac{B_nx^n}{n!}$

$a^2-b^2=(a+b)(a-b)$

$(f*g)(t):=\int_{-\infty}^\infty f(\tau)g(t-\tau)\,d\tau$ $1/2\Box=\triangle$

$\pi(n)\sim\frac{n}{\log n}$ $\mathcal L\{f\}(s)=\int_0^\infty f(t)e^{-st}\,dt$

$\frac{d}{dx}f(g(x))=f'(g(x))g'(x)$ 

$\left(\frac pq\right)\left(\frac qp\right)=(-1)^{\frac{p-1}2\frac{q-1}2}$ $H=-\sum p(x)\log p(x)$

$(\wp')^2=\wp^3-60G_4\wp-140G_6$ $\uparrow=\{0|*\}$

$e=2.718281828459045235360287471$