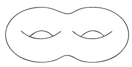
$[X,[Y,Z]]+[Y,[Z,X]]+[Z,[X,Y]]=0$ $\quad \frac{\partial}{\partial t}u_i+\sum_{j=1}^{n}u_j\frac{\partial u_i}{\partial x_j}=\nu\Delta u_i-\frac{\partial p}{\partial x_i}+f_i(x,t)$ $\quad \sum_P I_P(F,G)=\deg F\cdot\deg G$



$f(z)=\frac{1}{2\pi i}\oint_L\frac{f(\zeta)}{\zeta-z}\mathrm{d}\zeta$ $\quad \lim_{n\to\infty}P\left(\frac{\sum_{i=1}^{n}X_i-n\mu}{\sqrt{n}\sigma}\le x\right)=\int_{-\infty}^{x}\frac{1}{\sqrt{2\pi}}e^{-t^2/2}\mathrm{d}t$ $\quad \mathbf{H}=\mathbf{R}\oplus\mathbf{R}i\oplus\mathbf{R}j\oplus\mathbf{R}ij$

$\mathrm{Hom}_S(A\otimes_R B,C)\simeq\mathrm{Hom}_R(A,\mathrm{Hom}_S(B,C))$ $\quad \zeta(1-s)=2^{1-s}\pi^{-s}\cos\left(\frac{s\pi}{2}\right)\Gamma(s)\zeta(s)$ $\quad \hat{f}(\xi)=\int_{-\infty}^{+\infty}f(x)e^{-2\pi ix\xi}\mathrm{d}x$

$$\begin{vmatrix}1 & 1 & \cdots & 1\\ x_1 & x_2 & \cdots & x_n\\ \vdots & \vdots & \ddots & \vdots\\ x_1^{n-1} & x_2^{n-1} & \cdots & x_n^{n-1}\end{vmatrix}=\prod_{1\le i<j\le n}(x_j-x_i)$$

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

$e^{\pi i}+1=0$

$\pi_1(S^1)=Z$

$P\in\mathrm{Q}[X]$

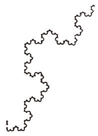
$P(\pi)\neq 0$

$\Delta f=0$

$SL_2(Z)$

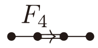
MATH USTC

$2^{\aleph_0}=\aleph_1$



$|\mathrm{Gal}(L/K)|$
$=[L:K]$

F_4



$|Ш(E,k)|<\infty$

$\mathrm{ord}_{s=1}L(E,s)$
$=\mathrm{rank}E(\mathrm{Q})$

$\mathrm{H}^i_{\mathrm{dR}}(M)$
$\simeq\left(\mathrm{H}_c^{n-i}(M)\right)^*$

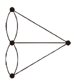
$\pi(x)\sim\int_2^x\frac{1}{\log t}\mathrm{d}t$

$\int_\Sigma K\mathrm{d}A=2\pi\chi(\Sigma)$

$\bigoplus_{p+q=n}\mathrm{H}^{p,q}\simeq\mathrm{H}^n(X,\mathrm{C})$

$|X/G|=\frac{1}{|G|}\sum_{g\in G}|X^g|$

$n!\sim\sqrt{2\pi n}\left(\frac{n}{e}\right)^n$



$f(z)=\frac{az+b}{cz+d}$

$\det(e^A)=e^{\mathrm{tr}A}$

$\zeta(s)=\sum_{n=1}^{\infty}\frac{1}{n^s}$
$=\prod_p\frac{1}{1-p^{-s}}$

$l(D)-l(K-D)$
$=\deg D+1-g$

$\mathrm{Tr}(AB)=\mathrm{Tr}(BA)$

$[X,Y]=XY-YX$

$F-E+V=2-2g$

$$\begin{tikzcd}
U \arrow[drr, bend left] \arrow[dr, dashed] \arrow[ddr, bend right] & & \\
& X\times_Z Y \arrow[r] \arrow[d] & X \arrow[d] \\
& Y \arrow[r] & Z
\end{tikzcd}$$

$\left(\frac{p}{q}\right)\left(\frac{q}{p}\right)=(-1)^{\frac{p-1}{2}\frac{q-1}{2}}$

$\sum_{n=1}^{\infty}\frac{1}{n^2}=\frac{\pi^2}{6}$