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**HIGH SCHOOL
MATHEMATICS GLOSSARY**

CALCULUS

ENGLISH - CHINESE

高中英漢數學詞匯手冊
微積分

**Chinese/Asian Bilingual Education Technical Assistance Center
Division of Bilingual Education
Board of Education of the City of New York
1995**

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INTRODUCTION

The *High School English-Chinese Mathematics Glossary: Calculus* was developed to assist the limited English proficient Chinese high school students in understanding the vocabulary that is included in the New York City High School Calculus Curriculum. To meet the needs of the Chinese students from different regions, both traditional and simplified character versions are included. The bilingual mathematics teachers may also use this glossary as reference material.

This is one of a series of English-Chinese glossaries that is being developed by the Chinese/Asian Bilingual Education Technical Assistance Center (CABETAC), Division of Bilingual Education, Board of Education of the City of New York. The project is made possible by a grant from the Office of Bilingual Education, New York State Education Department.

The following is a list of the glossary series. The Mathematics and Science glossaries will be available by the end of May, 1995. The Social Studies glossaries will be available by the end of September, 1995.

The Mathematics Series:

- Integrated Mathematics (Course I)
- Integrated Mathematics (Course II)
- Integrated Mathematics (Course III)
- Pre-calculus
- Calculus

The Science Series:

- High School General Science
- Junior High School Science
- Chemistry
- Physics
- Biology

The Social Studies Series:

- Global History 1
- Global History 2
- Global History 3
- Global History 4
- American Government
- American History 1
- American History 2

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繁體字版

**TRADITIONAL
CHARACTERS**

A

- abscissa of absolute convergence 絕對收斂的橫座標
- abscissa of convergence 收斂橫座標
- absolute continuity 絕對連續性
- absolute convergence 絕對收斂性
- absolute differential 絕對微分
- absolute error 絕對誤差
- absolutely convergent series 絕對收斂級數
- abstract number 不名數; 抽象數
- accelerating convergence 加速收斂
- addition of ordinates 縱坐標相加
- alternate function 交代函數
- alternate notation 交錯記號
- alternating method 交錯法
- alternation series 交錯級數
- analytic curve 解析曲綫
- antiderivative 反導數; 反微商
- antidifferential 反微分
- anti-isomorphism 反同構
- approach a limit 趨向於一極限
- approximate continuity 近似連續
- approximate integration 近似積分
- approximately continuous 近似連續
- approximating function [可]逼近函數
- approximation by least squares 用最小二乘方的近似
- approximation in the mean 平均逼近
- arbitrary function 任意函數
- arcsec function 反正割函數
- arcsin function 反正弦函數
- arctan function 反正切函數
- asymptotic convergence 漸近收斂
- asymptotic curvature 漸近曲率
- auxiliary variable 輔助變數

B

binomial differential 二項式微分

bounded interval 有界區間

binomial series 二項級數

C

- calculus 微積分; 計算
- center of curvature 曲率中心
- central quadric 有心二次曲面
- central difference interpolation
中心差分插值法
- closed interval 閉區間
- cofactor 餘因子
- colatitude 餘緯度
- complete integrability 完全可積分性
- complete integral 完全積分
- complete limite 完全極限
- complex integration 複積分
- complex series 複級數
- conditionally convergent series 條件收斂級數
- condition of integrability 可積條件
- conic section 圓錐曲綫; 二次曲綫
- consecutive points 相鄰點
- constant of integration 積分常數
- constrained extreme value 約束極值
- constrained maxima and minima
約束極大和極小值
- continuity from above 上連續
- continuity from below 下連續
- continuous arc 連續弧
- continuous convergence 連續收斂
- continuous curve 連續曲綫
- continuous integral 連續積分
- continuous variable 連續變量
- continuously differentiable function
連續可微函數
- continuum 連續統; 閉聯集
- convergence domain 收斂域
- convergence from above 由上收斂性
- convergence from below 由下收斂性
- convergence in mean 平均收斂
- convergent 收斂的
- convergent integral 收斂積分
- convergent series 收斂級數
- correlation function 相關函數
- cross product 叉積; 向量積
- cosine integral 餘弦積分
- critical point 臨界點

critical value of function 函數臨界值

cross ratio 交比;非調和比

crossing zero 相交零點

cubic convergence 三次收斂

cubic function 三次函數

curvature vector 曲率向量

cuspidal point 尖點;歧點

cycloid 旋輪綫;擺綫

cylindrical coordinates 柱面坐標

cylindrical polar coordinate 柱(面)極坐標

cylindrical shell 圓柱殼

D

- decay 衰變; 衰退
- decomposition 分解
- define implicitly 隱定義
- definite integral 定積分
- degeneracy 蜕化; 退化
- degenerate 退化的
- degenerate differential equation 退化微分方程
- degenerate variables 退化變量
- degree of convergence 收斂度
- degree of freedom 自由度
- denotation 外延, 所指
- dense everywhere 處處稠密
- derived curve 導出曲綫
- derivate 導數
- derivation of algebra 代數的求導運算
- derivative 導數; 微商
- derivative discontinuity 導數的; 不連續性
- derivatives of higher order
高階導數; 高階微商
- derivative on the left 左導數; 左微商
- derivative on the right 右導數; 右微商
- derivative order 微分階
- derived equation 導出方程
- differentiable 可微的
- differentiable curve 可微分曲綫
- differentiable function 可微分函數
- differentiability 可微性
- differential 微分
- differential and integral calculus 微積分
- differential calculus 微分(學)
- differential coefficient 微分系數; 微商
- differential divisor 微分因子
- differential equation of first order
一階微分方程
- differential equation 微分方程
- differential equation of higher order
高階微分方程
- differential expression 微分式
- differential of arc 微弧; 弧元素
- differential of area 面積元素
- differential polynomial 微分多項式
- differentiate 求微分; 微分

differentiation 微分法	discarding finite numbers 去掉有限個數
differentiating operator 微分算子	discontinuity 間斷性; 不連續性
differentio-integral equation 微分積分方程	discontinuous 不連續; 間斷的
digital integration 數字積分	discontinuous distribution 不連續分布
directed segment 有向綫段	discontinuous function 不連續函數
directed tangent 有向切綫	divergent 發散的; 差異的
directed tangent line 有向切綫	double cusp 雙尖點
directional derivative 方向導數; 方向微商	double series 二重級數
direction angle 方向角	dot product 點積
direction numbers 方向數	dummy variable 虛變數
direction reversal 反轉方向	

E

eigenvalue 特徵向量; 特徵值

element of the integral 積分元素

ellipsoid 橢面; 橢球

ellipsoid of revolution 回轉橢(圓)面; 回轉橢球

elliptic cone 橢圓錐面

elliptic paraboloid 橢圓拋物面

equivalence class 等價類

Euler line 歐拉綫

even-numbered terms 雙數項

exact differential 恰當微分; 正合微分

exponential decay 呈指數退化

extreme value theorem 極值定理

F

finite discontinuity 有限不連續性

first derivation 一階求導; 一階求微

first integral 初積分

frustum 平截頭體; 平截頭墩; 平截頭台

frustum of a cone 平截頭圓錐體

frustum of a pyramid 平截頭棱錐體

fundamental lemma 基本引理

functional limit 函數極限

G

general derivative 一般導數; 一般微商

generalized limit 廣義極限

generalized theorem of mean 廣義平均值定理

generator of cylinder 柱的母綫

gradient 斜率; 傾斜量; 梯度

gradient vector 梯度向量

graphical integration 圖解積分法

grid 格子; 網路

gyrate 圓形的; 盤旋的; 迴轉; 旋轉

gyration 迴轉; 旋轉

H

half-open interval 半開區間

harmonic 調和的

helix 螺旋; 螺旋綫

hemicontinuous 半連續的

hemisphere 半球

higher derivative 高階導數; 高階微商

hyperbolic cosine 雙曲餘弦

hyperbolic paraboloid 雙曲拋物面

hyperboloid 雙曲面

I

- immediate inference 直接推理
- immediate integration 直接積分法
- implicit definition 隱定義
- implicit difference equations 隱式差分方程
- implicit differentiation 隱微分法
- implicit function 隱函數
- implicit method 隱合法
- improper integral 非正常積分; 廣義積分
- improper maximum 非正常極大
- improper minimum 非正常極小
- inclination of line 直線的傾角或斜角
- increase without bound 無限增加
- indefinite integration 不定積分法
- indeterminate forms 不定形式; 未定形式
- index of summation 和的指數
- indirect differentiation 間接微分法
- inertial coordinates 慣性坐標
- infinite integral 無窮積分
- infinite point 無限遠點; 無窮遠點
- infinitely small 無窮小; 無限小
- infinitely great 無窮大; 無限大
- infinitely near 無窮近; 無限近
- infinitely near points 無限接近點
- infinitesimal 無窮小; 無限小
- infinitesimal element 無窮小元素
- infinity 無限大; 無窮
- inflection point 拐點; 回折點
- initial velocity vector 初速向量
- inner derivation 內部求導
- instantaneous velocity 瞬時速度
- integrable 可積分的
- integrable function 可積分函數
- integrability 可積性
- integral calculus 積分學
- integral constant 積分常數
- integral curve 積分曲線
- integral differential equation 積分微分方程
- integral differential operation 積分微分運算
- integral inequality 積分不等式
- integral invariant 積分不變式
- integral operation 積分運算
- integrand 被積分函數

integrating factor 積分因子

integration 積分

integration by partial fraction

部分分式積分法

integration by parts 分部積分法

integration by substitution

代換積分法; 換元積分法

integration constant 積分常數

intermediate differential 中間微分

intermediate value theorem 中間值定理

intermediate variables 中間變數

invariant integral 不變積分

inverse operator 逆算子

involute 漸伸綫; 切展綫

involute of circle 圓的漸伸綫

irregular region 不規則區域

iterated integral 疊積分

L

Largrange multiplier	拉格朗日乘子	limit superior	上極限
least square method	最小平方法	limitable	可求極限的
left continuous function	左連續函數	limited function	有界函數
left derivative	左導數	limiting function	極限函數
left-hand continuity	左方連續性	limiting point	極限點
left-hand derivative	左微商; 左方導數	limiting position	極限位置
left-hand limit	左方極限	line at infinity	無窮遠綫
left-handed system	左旋坐標系	line of best fitting	最適合直綫
left limit	左極限	logarithmic	對數的
limacon	蚶綫	logarithmic differentiation	對數微分
limit of function	函數的極限	lower integral	下積分

M

Maclaurin series 馬克勞林級數

minimax approximation 極小極大逼近

momentum vector 動量向量

multiple integral 多重積分

N

nappe 葉

neighborhood of a point 點的鄰域

normal 正規; 垂直; 正交; 法綫; 正態

normal integral 正規積分

normal to the curve 曲綫的法綫

O

oblate ellipsoid 扁橢面, 扁橢球

oblate spheroid 扁球面; 扁球

oblateness 扁率

odd-numbered terms 單數項

one-sided approximation 單側逼近

one-side limit from the left 左單側極限

one-sided limits 單側極限

oppositely oriented 方位相反

orientation 定方向

osculating circle 密切圓

osculating plane 密切面

osculation 密切

outward derivative 外向導數; 外導數; 外微商

P

parabolic cylinder 拋物柱面

paraboloid 拋物面

paraboloid of revolution 迴轉拋物面

parametric 參數的

parametric derivative 參數導數; 參數微商

partial derivative 偏導數; 偏微商

partial fraction 部份分式

point of discontinuity 不連續點; 間斷點

point of division formula 分點公式

point of density 密集點

point of inflection 拐點; 回折點

point of reference 參考點; 基準點

positive infinite 正無限大

power function 冪函數; 功效函數

power series 冪級數

principal derivative 主導數; 主微商

principal normal vector 主法向量

prismoid 平截頭棱錐體

prismoidal formula 平截頭棱錐體公式

projection of v on w v 在 w 的投影

prolate spheroid 長球; 長球面

Q

quadric 二次曲面; 二次

R

radius of curvature 曲率半徑

radius of gyration 迴轉半徑

rectangular grid 矩形格子

rectifiable 可求長的

rectifiable arc 可求長的弧

rectifiable curve 可求長的曲綫; 有長曲綫

rectification 求長法

regular integral 正則積分; 正常積分

regular tetrahedron 正四面形

related rates 相關變率

relative maximum 相對極大值

relative minimum 相對極小

repeated integral 累積分

repeated summation 累次求和

restrictedly convergent 限制收斂

right differential coefficient 右微商

right continuous function 右連續函數

right-handed coordinate system 右方坐標系

right-hand derivative 右微商; 右導數

right-hand system 右手系

round-off error 捨入誤差

S

- saddle point 鞍點
- sandwich digit 中間數字; 中間位數
- schematic 圖解的; 綱要的
- second derivative 第二階導數
- semi-closed interval 半閉區間
- semi-closure 半閉[合]
- sexadecimal system 十六進制
- signature function 符號函數
- similarly oriented 方位相同
- slope function 斜率函數; 坡度函數
- solid of revolution 回轉體
- solid of rotation 旋轉體
- spherical coordinates 球面坐標
- spheroid 球體
- spiral of Archimedes 阿基米德·螺線
- step by step integration 逐步積分
- strophoid 環索綫
- subdifferentiable 次可微分
- subscripts for function 添標函數
- successive derivative 逐次微商, 逐次導數
- successive differentiation 逐次微分
- successive integration 逐次積分
- surface of revolution 回轉曲面

T

tangential 切綫的; 正切的

Taylor expansion 泰勒展開式

Taylor polynomial 泰勒各項式

Taylor series 泰勒定理

tend to L 趨近L值

term by term differentiation 逐項微分

term by term integration 逐項積分

termwise differentiation 逐項微分

termwise integration 逐項積分

theorem of pappus 冠毛定理

transverse 橫的; 橫軸的; 橫截; 橫軸

transverse axis of hyperbola

雙曲線的橫截軸

translation of axes 坐標軸平移

trigonometric substitution 三角代換

triple integral 三重積分

trivial solution 平凡解

two-sided limit 雙邊極限

简体字版

**SIMPLIFIED
CHARACTERS**

U

unbounded interval 無界區間

uniform continuity 一致連續性

unilateral continuity 單向連續[性]

unilateral limits 單側極限

uniqueness of limit 極限的唯一性

upper limit 上限

U

variable of integration 積分變數

vicinity of a point 點的鄰近

volume integral 體積積分

W

weighting coefficients 加權系數

weighting function 加權函數

weighted means 加權平均值

A

- abscissa of absolute convergence 绝对收敛的横座标
- abscissa of convergence 收敛横座标
- absolute continuity 绝对连续性
- absolute convergence 绝对收敛性
- absolute differential 绝对微分
- absolute error 绝对误差
- absolutely convergent series 绝对收敛级数
- abstract number 不名数; 抽象数
- accelerating convergence 加速收敛
- addition of ordinates 纵坐标相加
- alternate function 交代函数
- alternate notation 交错记号
- alternating method 交错法
- alternation series 交错级数
- analytic curve 解析曲线
- antiderivative 反导数; 反微商
- antidifferential 反微分
- anti-isomorphism 反同构
- approach a limit 趋向於一极限
- approximate continuity 近似连续
- approximate integration 近似积分
- approximately continuous 近似连续
- approximating function [可]逼近函数
- approximation by least squares
用最小二乘方的近似
- approximation in the mean 平均逼近
- arbitrary function 任意函数
- arcsec function 反正割函数
- arcsin function 反正弦函数
- arctan function 反正切函数
- asymptotic convergence 渐近收敛
- asymptotic curvature 渐近曲率
- auxiliary variable 辅助变数

B

binomial differential 二项式微分

bounded interval 有界区间

binomial series 二项级数

C

- calculus 微积分; 计算
- center of curvature 曲率中心
- central quadric 有心二次曲面
- central difference interpolation
中心差分插值法
- closed interval 闭区间
- cofactor 余因子
- colatitude 余纬度
- complete integrability 完全可积性
- complete integral 完全积分
- complete limite 完全极限
- complex integration 复积分
- complex series 复级数
- conditionally convergent series 条件收敛级数
- condition of integrability 可积条件
- conic section 圆锥曲线; 二次曲线
- consecutive points 相邻点
- constant of integration 积分常数
- constrained extreme value 约束极值
- constrained maxima and minima
约束极大和极小值
- continuity from above 上连续
- continuity from below 下连续
- continuous arc 连续弧
- continuous convergence 连续收敛
- continuous curve 连续曲线
- continuous integral 连续积分
- continuous variable 连续变量
- continuously differentiable function
连续可微函数
- continuum 连续统; 闭联集
- convergence domain 收敛域
- convergence from above 由上收敛性
- convergence from below 由下收敛性
- convergence in mean 平均收敛
- convergent 收敛的
- convergent integral 收敛积分
- convergent series 收敛级数
- correlation function 相关函数
- cross product 叉积; 向量积
- cosine integral 余弦积分
- critical point 临界点

critical value of function 函数临界值

cross ratio 交比;非调和比

crossing zero 相交零点

cubic convergence 三次收敛

cubic function 三次函数

curvature vector 曲率向量

cuspidal point 尖点;歧点

cycloid 旋轮线;摆线

cylindrical coordinates 柱面坐标

cylindrical polar coordinate 柱(面)极坐标

cylindrical shell 圆柱壳

D

- decay 衰变; 衰退
- decomposition 分解
- define implicitly 隐定义
- definite integral 定积分
- degeneracy 蜕化; 退化
- degenerate 退化的
- degenerate differential equation 退化微分方程
- degenerate variables 退化变量
- degree of convergence 收敛度
- degree of freedom 自由度
- denotation 外延; 所指
- dense everywhere 处处稠密
- derived curve 导出曲线
- derivate 导数
- derivation of algebra 代数的求导运算
- derivative 导数; 微商
- derivative discontinuity 导数的; 不连续性
- derivatives of higher order
高阶导数; 高阶微商
- derivative on the left 左导数; 左微商
- derivative on the right 右导数; 右微商
- derivative order 微分阶
- derived equation 导出方程
- differentiable 可微的
- differentiable curve 可微分曲线
- differentiable function 可微分函数
- differentiability 可微性
- differential 微分
- differential and integral calculus 微积分
- differential calculus 微分(学)
- differential coefficient 微分系数; 微商
- differential divisor 微分因子
- differential equation of first order
一阶微分方程
- differential equation 微分方程
- differential equation of higher order
高阶微分方程
- differential expression 微分式
- differential of arc 微弧; 弧元素
- differential of area 面积元素
- differential polynomial 微分多项式
- differentiate 求微分; 微分

differentiation 微分法
differentiating operator 微分算子
differentio-integral equation 微分积分方程
digital integration 数字积分
directed segment 有向线段
directed tangent 有向切线
directed tangent line 有向切线
directional derivative 方向导数; 方向微商
direction angle 方向角
direction numbers 方向数
direction reversal 反转方向
discarding finite numbers 去掉有限个数
discontinuity 间断性; 不连续性
discontinuous 不连续; 间断的
discontinuous distribution 不连续分布
discontinuous function 不连续函数
divergent 发散的; 差异的
double cusp 双尖点
double series 二重级数
dot product 点积
dummy variable 虚变数

E

eigenvalue 特征向量; 特征值

element of the integral 积分元素

ellipsoid 椭面; 椭球

ellipsoid of revolution 回转椭(圆)面; 回转椭球

elliptic cone 椭圆锥面

elliptic paraboloid 椭圆抛物面

equivalence class 等价类

Euler line 欧拉线

even-numbered terms 双数项

exact differential 恰当微分; 正合微分

exponential decay 呈指数退化

extreme value theorem 极值定理

F

finite discontinuity 有限不连续性

first derivation 一阶求导; 一阶求微

first integral 初积分

frustum 平截头体; 平截头墩; 平截头台

frustum of a cone 平截头圆锥体

frustum of a pyramid 平截头棱锥体

fundamental lemma 基本引理

functional limit 函数极限

G

general derivative 一般导数; 一般微商

generalized limit 广义极限

generalized theorem of mean 广义平均值定理

generator of cylinder 柱的母线

gradient 斜率; 倾斜量; 梯度

gradient vector 梯度向量

graphical integration 图解积分法

grid 格子; 网路

gyrate 圆形的; 盘旋的; 回转; 旋转

gyration 回转; 旋转

H

half-open interval 半开区间

harmonic 调和的

helix 螺旋;螺旋线

hemicontinuous 半连续的

hemisphere 半球

higher derivative 高阶导数;高阶微商

hyperbolic cosine 双曲余弦

hyperbolic paraboloid 双曲抛物面

hyperboloid 双曲面

I

- immediate inference 直接推理
- immediate integration 直接积分法
- implicit definition 隐定义
- implicit difference equations 隐式差分方程
- implicit differentiation 隐微分法
- implicit function 隐函数
- implicit method 隐舍法
- improper integral 非正常积分; 广义积分
- improper maximum 非正常极大
- improper minimum 非正常极小
- inclination of line 直线的倾角或斜角
- increase without bound 无限增加
- indefinite integration 不定积分法
- indeterminate forms 不定形式; 未定形式
- index of summation 和的指数
- indirect differentiation 间接微分法
- inertial coordinates 惯性坐标
- infinite integral 无穷积分
- infinite point 无限远点; 无穷远点
- infinitely small 无穷小; 无限小
- infinitely great 无穷大; 无限大
- infinitely near 无穷近; 无限近
- infinitely near points 无限接近点
- infinitesimal 无穷小; 无限小
- infinitesimal element 无穷小元素
- infinity 无限大; 无穷
- inflection point 拐点; 回折点
- initial velocity vector 初速向量
- inner derivation 内部求导
- instantaneous velocity 瞬时速度
- integrable 可积分的
- integrable function 可积分函数
- integrability 可积性
- integral calculus 积分学
- integral constant 积分常数
- integral curve 积分曲线
- integral differential equation 积分微分方程
- integral differential operation 积分微分运算
- integral inequality 积分不等式
- integral invariant 积分不变式
- integral operation 积分运算
- integrand 被积分函数

integrating factor 积分因子

integration 积分

integration by partial fraction

部分分式积分法

integration by parts 分部积分法

integration by substitution

代换积分法; 换元积分法

integration constant 积分常数

intermediate differential 中间微分

intermediate value theorem 中间值定理

intermediate variables 中间变数

invariant integral 不变积分

inverse operator 逆算子

involute 渐伸线; 切展线

involute of circle 圆的渐伸线

irregular region 不规则区域

iterated integral 叠积分

L

- Largrange multiplier 拉格朗日乘子
- least square method 最小平方法
- left continuous function 左连续函数
- left derivative 左导数
- left-hand continuity 左方连续性
- left-hand derivative 左微商; 左方导数
- left-hand limit 左方极限
- left-handed system 左旋坐标系
- left limit 左极限
- limacon 蚶线
- limit of function 函数的极限
- limit superior 上极限
- limitable 可求极限的
- limited function 有界函数
- limiting function 极限函数
- limiting point 极限点
- limiting position 极限位置
- line at infinity 无穷远线
- line of best fitting 最适合直线
- logarithmic 对数的
- logarithmic differentiation 对数微分
- lower integral 下积分

M

Maclaurin series 马克劳林级数

minimax approximation 极小极大逼近

momentum vector 动力向量

multiple integral 多重积分

N

nappe 叶

neighborhood of a point 点的邻域

normal 正规; 垂直; 正交; 法线; 正态

normal integral 正规积分

normal to the curve 曲线的法线

O

oblate ellipsoid 扁椭面, 扁椭球

oblate spheroid 扁球面; 扁球

oblateness 扁率

odd-numbered terms 单数项

one-sided approximation 单侧逼近

one-side limit from the left 左单侧极限

one-sided limits 单侧极限

oppositely oriented 方位相反

orientation 定方向

osculating circle 密切圆

osculating plane 密切面

osculation 密切

outward derivative 外向导数; 外导数; 外微商

P

parabolic cylinder 抛物柱面

paraboloid 抛物面

paraboloid of revolution 回转抛物面

parametric 参数的

parametric derivative 参数导数; 参数微商

partial derivative 偏导数; 偏微商

partial fraction 部份分式

point of discontinuity 不连续点; 间断点

point of division formula 分点公式

point of density 密集点

point of inflection 拐点; 回折点

point of reference 参考点; 基准点

positive infinite 正无限大

power function 幂函数; 功效函数

power series 幂级数

principal derivative 主导数; 主微商

principal normal vector 主法向量

prismoid 平截头棱锥体

prismoidal formula 平截头棱锥体公式

projection of v on w v 在 w 的投影

prolate spheroid 长球; 长球面

Q

quadric 二次曲面; 二次

R

radius of curvature 曲率半径

radius of gyration 回转半径

rectangular grid 矩形格子

rectifiable 可求长的

rectifiable arc 可求长的弧

rectifiable curve 可求长的曲线; 有长曲线

rectification 求长法

regular integral 正则积分; 正常积分

regular tetrahedron 正四面形

related rates 相关变率

relative maximum 相对极大值

relative minimum 相对极小

repeated integral 累积分

repeated summation 累次求和

restrictedly convergent 限制收敛

right differential coefficient 右微商

right continuous function 右连续函数

right-handed coordinate system 右方坐标系

right-hand derivative 右微商; 右导数

right-hand system 右手系

round-off error 舍入误差

S

- saddle point 鞍点
- sandwich digit 中间数字; 中间位数
- schematic 图解的; 纲要的
- second derivative 第二阶导数
- semi-closed interval 半闭区间
- semi-closure 半闭[合]
- sexadecimal system 十六进制
- signature function 符号函数
- similarly oriented 方位相同
- slope function 斜率函数; 坡度函数
- solid of revolution 回转体
- solid of rotation 旋转体
- spherical coordinates 球面坐标
- spheroid 球体
- spiral of Archimedes 阿基米德·螺线
- step by step integration 逐步积分
- strophoid 环索线
- subdifferentiable 次可微分
- subscripts for function 添标函数
- successive derivative 逐次微商, 逐次导数
- successive differentiation 逐次微分
- successive integration 逐次积分
- surface of revolution 回转曲面

T

tangential 切线的; 正切的

Taylor expansion 泰勒展开式

Taylor polynomial 泰勒各项式

Taylor series 泰勒定理

tend to L 趋近L值

term by term differentiation 逐项微分

term by term integration 逐项积分

termwise differentiation 逐项微分

termwise integration 逐项积分

theorem of pappus 冠毛定理

transverse 横的; 横轴的; 横截; 横轴

transverse axis of hyperbola

双曲线的横截轴

translation of axes 坐标轴平移

trigonometric substitution 三角代换

triple integral 三重积分

trivial solution 平凡解

two-sided limit 双边极限

U

unbounded interval 无界区间
uniform continuity 一致连续性
unilateral continuity 单向连续[性]

unilateral limits 单侧极限
uniqueness of limit 极限的唯一性
upper limit 上限

U

variable of integration 积分变数
vicinity of a point 点的邻近

volume integral 体积积分

W

weighting coefficients 加权系数
weighting function 加权函数

weighted means 加权平均值