

T1 change	T1 accumulation	T1 limit
T1 at a single instant	T1 average rate of change	T1 interval
T1 instantaneous rate of change	T1 approaches	T1 derivative

T1 极限 jí xiàn	T1 累积 lěi jī	T1 变化 biàn huà
T1 区间 qū jiān	T1 平均变化率 píng jūn biàn huà lǜ	T1 瞬间 shùn jiān
T1 导数 dǎo shù	T1 趋近 qū jìn	T1 瞬时变化率 shùn shí biàn huà lǜ

T1 integral	T1 arbitrarily	T1 sufficiently
T1 behavior	T1 graphically	T1 numerically
T1 analytically	T1 left-hand limit	T1 right-hand limit

T1 足够 zú gòu	T1 任意地 rèn yì dì	T1 积分 jī fēn
T1 用数值 yòng shù zhí	T1 用图象 yòng tú xiàng	T1 行为 xíng wéi
T1 右极限 yòu jí xiàn	T1 左极限 zuǒ jí xiàn	T1 用解析式 yòng jiě xī shì

T1 one-sided limits	T1 open circle	T1 hole
T1 closed circle	T1 jump	T1 unbounded
T1 oscillates	T1 scale	T1 table

T1 空洞 kōng dòng	T1 空心圆 kōng xīn yuán	T1 单侧极限 dān cè jí xiàn
T1 无界 wú jiè	T1 跳跃 tiào yuè	T1 实心圆 shí xīn yuán
T1 表格 biǎo gé	T1 比例 bǐ lì	T1 振荡 zhèn dòng

T1 limit theorems	T1 Composite	T1 direct substitution
T1 indeterminate form	T1 equivalent form	T1 Factor and cancel
T1 rational function	T1 conjugate	T1 radical

T1 直接代入 zhí jiē dài rù	T1 复合函数 fù hé hán shù	T1 极限定理 jí xiàn dìng lǐ
T1 因式分解并约分 yīn shì fēn jiě bìng yuē fēn	T1 等价形式 děng jià xíng shì	T1 未定式 wèi dìng shì
T1 根式 gēn shì	T1 共轭 gòng è	T1 有理函数 yǒu lǐ hán shù

T1 dominant	T1 squeeze theorem	T1 discontinuous
T1 Removable discontinuity	T1 Jump discontinuity	T1 Infinite discontinuity
T1 vertical asymptote	T1 continuous	T1 continuous on an interval

T1 间断 jiàn duàn	T1 夹逼定理 jiā bī dìng lǐ	T1 主导 zhǔ dǎo
T1 无穷间断 wú qióng jiàn duàn	T1 跳跃间断 tiào yuè jiàn duàn	T1 可去间断 kě qù jiàn duàn
T1 在区间上连续 zài qū jiān shàng lián xù	T1 连续 lián xù	T1 垂直渐近线 chuí zhí jiàn jìn xiàn

T1 exponential	T1 logarithmic	T1 trigonometric
T1 piecewise-defined function	T1 parameter	T1 infinite limits
T1 limits at infinity	T1 end behavior	T1 horizontal asymptote

T1 三角 sān jiǎo	T1 对数 duì shù	T1 指数 zhǐ shù
T1 无穷极限 wú qióng jí xiàn	T1 参数 cān shù	T1 分段函数 fēn duàn hán shù
T1 水平渐近线 shuǐ píng jiàn jìn xiàn	T1 末端行为 mò duān xíng wéi	T1 无穷远处的极限 wú qióng yuǎn chù de jí xiàn

T1 degrees	T1 ratio of the leading coefficients	T1 relative magnitudes
T1 Intermediate Value Theorem	T1 existence theorem	T2 derivative
T2 difference quotient	T2 instantaneous	T2 first principles

T1 相对大小 xiāng duì dà xiǎo	T1 首项系数之比 shǒu xiàng xì shù zhī bǐ	T1 次数 cì shù
T2 导数 dǎo shù	T1 存在性定理 cún zài xìng dìng lǐ	T1 介值定理 jiè zhí dìng lǐ
T2 用定义求导 yòng dìng yì qiú dǎo	T2 瞬时 shùn shí	T2 差商 chà shāng

T2 notations	T2 slope	T2 tangent line
T2 table	T2 units	T2 differentiable
T2 continuous	T2 corner	T2 vertical tangent

T2 切线 qiè xiàn	T2 斜率 xié lǜ	T2 记号 jì hào
T2 可导 kě dǎo	T2 单位 dān wèi	T2 表格 biǎo gé
T2 垂直切线 chuí zhí qiè xiàn	T2 尖点 jiān diǎn	T2 连续 lián xù

T2 power rule	T2 Constant multiple	T2 polynomial
T2 product rule	T2 quotient rule	T2 identities
T2 second derivative	T3 chain rule	T3 composite function

T2 多项式 duō xiàng shì	T2 常数倍 cháng shù bèi	T2 幂法则 mì fǎ zé
T2 恒等式 héng děng shì	T2 商法则 shāng fǎ zé	T2 乘积法则 chéng jī fǎ zé
T3 复合函数 fù hé hán shù	T3 链式法则 liàn shì fǎ zé	T2 二阶导数 èr jiē dǎo shù

T3 Implicit differentiation	T3 inverse function	T3 reciprocal
T3 inverse trigonometric functions	T3 second derivative	T3 concavity
T4 position	T4 velocity	T4 acceleration

T3 倒数 dào shǔ	T3 反函数 fǎn hán shù	T3 隐函数求导 yǐn hán shù qiú dǎo
T3 凹凸性 āo tū xìng	T3 二阶导数 èr jiē dǎo shù	T3 反三角函数 fǎn sān jiǎo hán shù
T4 加速度 jiā sù dù	T4 速度 sù dù	T4 位置 wèi zhì

T4 at rest	T4 Speed	T4 related rates
T4 local linearity	T4 linear approximation	T4 overestimate
T4 indeterminate form	T4 L'Hospital's Rule	T5 Mean Value Theorem

T4 相关变化率 xiāng guān biàn huà lǜ	T4 速率 sù lǜ	T4 静止 jìng zhǐ
T4 高估 gāo gū	T4 线性近似 xiàn xìng jìn sì	T4 局部线性 jú bù xiàn xìng
T5 中值定理 zhōng zhí dìng lǐ	T4 洛必达法则 luò bì dá fǎ zé	T4 未定式 wèi dìng shì

T5 Extreme Value Theorem	T5 critical point	T5 local (relative) extrema
T5 increasing	T5 decreasing	T5 local maximum
T5 local minimum	T5 concave up	T5 concave down

T5 局部极值 jú bù jí zhí	T5 临界点 lín jiè diǎn	T5 极值定理 jí zhí dìng lǐ
T5 极大值 jí dà zhí	T5 递减 dì jiǎn	T5 递增 dì zēng
T5 下凹 xià āo	T5 上凹 shàng āo	T5 极小值 jí xiǎo zhí

T5 point of inflection	T5 Optimization	T6 accumulated change
T6 geometry	T6 Riemann sum	T6 midpoint
T6 Trapezoidal sum	T6 definite integral	T6 accumulation function

T6 累积变化 lěi jī biàn huà	T5 最优化 zuì yōu huà	T5 拐点 guǎi diǎn
T6 中点 zhōng diǎn	T6 黎曼和 lí màn hé	T6 几何 jǐ hé
T6 累积函数 lěi jī hán shù	T6 定积分 dìng jī fēn	T6 梯形法 tī xíng fǎ

T6 Fundamental Theorem of Calculus	T6 antiderivative	T6 indefinite integral
T6 constant of integration	T6 u-substitution	T6 polynomial long division
T6 completing the square	T7 differential equation	T7 solution

T6 不定积分 bù dìng jī fēn	T6 原函数 yuán hán shù	T6 微积分基本定理 wēi jī fēn jī běn dìng lǐ
T6 多项式长除法 duō xiàng shì zhǎng chú fǎ	T6 换元积分法 huàn yuán jī fēn fǎ	T6 积分常数 jī fēn cháng shù
T7 解 jiě	T7 微分方程 wēi fēn fāng chéng	T6 配方法 pèi fāng fǎ

T7 slope field	T7 separation of variables	T7 general solution
T7 initial condition	T7 particular solution	T7 domain restrictions
T7 exponential growth and decay	T8 average value	T8 Displacement

T7 通解 tōng jiě	T7 分离变量法 fēn lí biàn liàng fǎ	T7 斜率场 xié lǜ chǎng
T7 定义域限制 dìng yì yù xiàn zhì	T7 特解 tè jiě	T7 初始条件 chū shǐ tiáo jiàn
T8 位移 wèi yí	T8 平均值 píng jūn zhí	T7 指数增长与衰减 zhǐ shù zēng zhǎng yǔ shuāi jiǎn

T8 Total distance travelled	T8 net change	T8 cross section
T8 triangle	T8 semicircle	T8 solid of revolution
T8 disc	T8 washer	

T8 横截面 héng jié miàn	T8 净变化 jìng biàn huà	T8 总路程 zǒng lù chéng
T8 旋转体 xuán zhuǎn tǐ	T8 半圆 bàn yuán	T8 三角形 sān jiǎo xíng
	T8 垫圈 diàn juàn	T8 圆盘 yuán pán