

Limits and Continuity

AP Calculus BC · Vocabulary

English	中文	Pinyin
\pm change	变化	biàn huà
\boxplus accumulation	累积	lěi jī
\rightarrow limit	极限	jí xiàn
\odot at a single instant	瞬间	shùn jiān
\sphericalangle average rate of change	平均变化率	píng jūn biàn huà lǜ
$[]$ interval	区间	qū jiān
\curvearrowright instantaneous rate of change	瞬时变化率	shùn shí biàn huà lǜ
\rightarrow approaches	趋近	qū jìn
\curvearrowright derivative	导数	dǎo shù
\int integral	积分	jī fēn
∞ arbitrarily	任意地	rèn yì dì
\checkmark sufficiently	足够	zú gòu
\sim behavior	行为	xíng wéi
\sphericalangle graphically	用图象	yòng tú xiàng
\boxplus numerically	用数值	yòng shù zhí
\boxplus analytically	用解析式	yòng jiě xī shì
\leftarrow left-hand limit	左极限	zuǒ jí xiàn
\rightarrow right-hand limit	右极限	yòu jí xiàn
$\langle \rangle$ one-sided limits	单侧极限	dān cè jí xiàn
\bigcirc open circle	空心圆	kōng xīn yuán
\bigcirc hole	空洞	kōng dòng
\odot closed circle	实心圆	shí xīn yuán
\updownarrow jump	跳跃	tiào yuè
\boxplus unbounded	无界	wú jiè
\approx oscillates	振荡	zhèn dòng
\boxplus scale	比例	bǐ lì
\boxplus table	表格	biǎo gé
\boxplus limit theorems	极限定理	jí xiàn dìng lǐ
\boxplus Composite	复合函数	fù hé hán shù
\boxplus direct substitution	直接代入	zhí jiē dài rù
\odot indeterminate form	未定式	wèi dìng shì
$=$ equivalent form	等价形式	děng jià xíng shì
\times Factor and cancel	因式分解并约分	yīn shì fēn jiě bìng yuē fēn
\div rational function	有理函数	yǒu lǐ hán shù
\boxplus conjugate	共轭	gòng è
$\sqrt{\quad}$ radical	根式	gēn shì
\uparrow dominant	主导	zhǔ dǎo
\boxplus squeeze theorem	夹逼定理	jiā bī dìng lǐ
\odot discontinuous	间断	jiàn duàn
\bigcirc Removable discontinuity	可去间断	kě qù jiàn duàn
\times Jump discontinuity	跳跃间断	tiào yuè jiàn duàn

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$\uparrow \equiv$ Infinite discontinuity	无穷间断	wú qióng jiàn duàn
\curvearrowright vertical asymptote	垂直渐近线	chuí zhí jiàn jìn xiàn
— continuous	连续	lián xù
\curvearrowleft continuous on an interval	在区间上连续	zài qū jiān shàng lián xù
\times^2 exponential	指数	zhǐ shù
\surd logarithmic	对数	duì shù
\sphericalangle trigonometric	三角	sān jiǎo
\nearrow piecewise-defined function	分段函数	fēn duàn hán shù
() parameter	参数	cān shù
\rightsquigarrow infinite limits	无穷极限	wú qióng jí xiàn
∞ limits at infinity	无穷远处的极 限	wú qióng yuǎn chù de jí xiàn
\gg end behavior	末端行为	mò duān xíng wéi
— horizontal asymptote	水平渐近线	shuǐ píng jiàn jìn xiàn
\circlearrowleft degrees	次数	cì shù
\div ratio of the leading coefficients	首项系数之比	shǒu xiàng xì shù zhī bǐ
? relative magnitudes	相对大小	xiāng duì dà xiǎo
\square Intermediate Value Theorem	介值定理	jiè zhí dìng lǐ
\odot existence theorem	存在性定理	cún zài xìng dìng lǐ