Miscellaneous Mathematical Symbols-A Range: 27C0–27EF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 5.1.*

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See http://www.unicode.org/charts/ for access to a complete list of the latest character code charts. See http://www.unicode.org/charts/PDF/Unicode-5.1/ for charts showing only the characters added in Unicode 5.1. See http://www.unicode.org/Public/5.1.0/charts/ for a complete archived file of character code charts for Unicode 5.1.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 5.1 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode Standard, Version 5.0 (ISBN 0-321-48091-0), online at http://www.unicode.org/versions/Unicode5.0.0/, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, and #44, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See http://www.unicode.org/ucd/ and http://www.unicode.org/reports/

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

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See http://www.unicode.org/charts/fonts.html for a list.

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See http://www.unicode.org/pending/pending.html and http://www.unicode.org/alloc/Pipeline.html.

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	27C	27D	27E
0	27C0	27D0	27E0
1	27C1	A 27D1	27E1
2	27C2	U 27D2	→ 27E2
3	O 27C3	• 27D3	27E3
4	D 27C4	• 27D4	 27E4
5	2 27C5	27D5	27E5
6	S 27C6	27D6	27E6
7	¥ 27C7	27D7] 27E7
8	27C8	27D8	2 7E8
9	27C9	27D9	> 27E9
A	† 27CA	= 27DA	27EA
В) 27EB
С) 27CC	0 27DC	1 27EC
D		27DD) 27ED
E			(27EE
F		1 27DF) 27EF

Miscellaneous symbols

27C0

27C0	Ľ	THREE DIMENSIONAL ANGLE
		• used by Euclid
27C1	▲	WHITE TRIANGLE CONTAINING SMALL WHITE TRIANGLE
		• used by Euclid
27C2	\bot	PERPENDICULAR
		= orthogonal to

- · relation, typeset with additional spacing \rightarrow 22A5 \perp up tack
- 27C3 @ OPEN SUBSET
- 27C4 D OPEN SUPERSET
- LEFT S-SHAPED BAG DELIMITER 27C5 2
- 27C6 RIGHT S-SHAPED BAG DELIMITER S
- 27C7 √ OR WITH DOT INSIDE
- \C REVERSE SOLIDUS PRECEDING SUBSET 27C8
- 27C9 ⊃/ SUPERSET PRECEDING SOLIDUS

Vertical line operator

- 27CA [†] VERTICAL BAR WITH HORIZONTAL STROKE
 - \rightarrow 2AF2 # parallel with horizontal stroke
 - \rightarrow 2AF5 # triple vertical bar with horizontal stroke

Division operator

- 27CC ∑ LONG DIVISION
 - graphically extends over the dividend
 - \rightarrow 00F7 ÷ division sign
 - \rightarrow 2215 / division slash
 - \rightarrow 221A \checkmark square root

Miscellaneous symbol

27D0 ♦ WHITE DIAMOND WITH CENTRED DOT

Operators

27D1 A AND WITH DOT \rightarrow 2227 \land logical and \rightarrow 2A40 \cap intersection with dot 27D2 ₩ ELEMENT OF OPENING UPWARDS \rightarrow 2AD9 \cap element of opening downwards 27D3 → LOWER RIGHT CORNER WITH DOT = pullback \rightarrow 230B J right floor 27D4 F UPPER LEFT CORNER WITH DOT = pushout \rightarrow 2308 [left ceiling

Database theory operators

		LEFT OUTER JOIN
27D6	\bowtie	RIGHT OUTER JOIN
27D7	\bowtie	FULL OUTER JOIN
		\rightarrow 2A1D \bowtie join

Tacks and turnstiles

27D8	\bot	LARGE UP TACK
	-	\rightarrow 22A5 \perp up tack
27D9		LARGE DOWN TACK
		\rightarrow 22A4 \top down tack
27DA	≓⊨	LEFT AND RIGHT DOUBLE TURNSTILE
		\rightarrow 22A8 \models true
		\rightarrow 2AE4 \rightrightarrows vertical bar double left turnstile

27DB	⊣⊢	LEFT AND RIGHT TACK
		\rightarrow 22A2 \vdash right tack
27DC		LEFT MULTIMAP
		\rightarrow 22B8 \rightarrow multimap
27DD	\vdash	LONG RIGHT TACK
		\rightarrow 22A2 \vdash right tack
27DE	—	LONG LEFT TACK
		\rightarrow 22A3 \rightarrow left tack
27DF	l	UP TACK WITH CIRCLE ABOVE
		= radial component

 \rightarrow 2AF1 J down tack with circle below

Modal logic operators

- 27E0 ♦ LOZENGE DIVIDED BY HORIZONTAL RULE • used as form of possibility in modal logic \rightarrow 25CA \diamond lozenge
- 27E1 WHITE CONCAVE-SIDED DIAMOND \diamond = never (modal operator)
- WHITE CONCAVE-SIDED DIAMOND WITH 27E2 - ⇒ LEFTWARDS TICK = was never (modal operator)
- 27E3 🗇 WHITE CONCAVE-SIDED DIAMOND WITH RIGHTWARDS TICK = will never be (modal operator)
- 27E4 -🗆 WHITE SQUARE WITH LEFTWARDS TICK = was always (modal operator)
 - \rightarrow 25A1 \square white square
- 27E5 🗅 WHITE SQUARE WITH RIGHTWARDS TICK = will always be (modal operator)

Mathematical brackets

27E6	\llbracket	MATHEMATICAL LEFT WHITE SQUARE BRACKET
		= z notation left bag bracket
		\rightarrow 301A [left white square bracket
27E7]	MATHEMATICAL RIGHT WHITE SQUARE BRACKET
		= z notation right bag bracket
		\rightarrow 301B] right white square bracket
27E8	<	MATHEMATICAL LEFT ANGLE BRACKET = bra
		= z notation left sequence bracket
		\rightarrow 2329 \langle left-pointing angle bracket
		\rightarrow 3008 \langle left angle bracket
27E9	\rangle	MATHEMATICAL RIGHT ANGLE BRACKET = ket
		= z notation right sequence bracket
		\rightarrow 232A \rangle right-pointing angle bracket
		\rightarrow 3009 \rangle right angle bracket
27EA	«	MATHEMATICAL LEFT DOUBLE ANGLE BRACKET
		= z notation left chevron bracket
		\rightarrow 300A 《 left double angle bracket
27EB	》	MATHEMATICAL RIGHT DOUBLE ANGLE BRACKET
		= z notation right chevron bracket
		\rightarrow 300B » right double angle bracket
27EC	(MATHEMATICAL LEFT WHITE TORTOISE SHELL BRACKET
		\rightarrow 2997 (left black tortoise shell bracket
		. 2040 1. 0. 1

 \rightarrow 3018 [left white tortoise shell bracket

27ED Miscellaneous Mathematical Symbols-A

27EF

27ED)	MATHEMATICAL RIGHT WHITE TORTOISE SHELL BRACKET
		\rightarrow 2998) right black tortoise shell bracket
		\rightarrow 3019] right white tortoise shell bracket
27EE	(MATHEMATICAL LEFT FLATTENED PARENTHESIS
		= lgroup
27EF)	MATHEMATICAL RIGHT FLATTENED

PARENTHESIS = rgroup