

Leibniz Unicode Characters Project

(LUCP)

Philippine Project, Université Paris Cité
Leibniz-Archiv Hannover
Andreas Stötzner, Fontentwicklung

UCS 18 Delta review: corrections, recommendations

Source: Leibniz research group, Andreas Stötzner

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Related: N5329R4, UCS Delta charts, n5354 WG2-#73 resolutions

Content:

1. Descriptive names for Leibnizian Ambiguous VS characters
2. U180 delta charts: corrections and suggestions

1. Leibnizian ambiguous signs

Reference: N5329R4 (L-2618); n5354 recomment. M73.06

For the descriptive naming of 5 VS characters we suggest two options:

Option a)

B-13: 1DC09 FE00; **horizontal strokes with wider space**; # LEIBNIZIAN SYSTEM TWO PLUS OR PLUS-MINUS AMBIGUOUS SIGN

B-14: 1DC0A FE00; **horizontal strokes with wide lower space**; # LEIBNIZIAN SYSTEM TWO PLUS OR MINUS-PLUS AMBIGUOUS SIGN

B-15: 1DC0D FE00; **horizontal strokes with wider spaces**; # LEIBNIZIAN SYSTEM TWO NEGATED PLUS OR MINUS-PLUS AMBIGUOUS SIGN

B-17: 1DC12 FE00; **horizontal strokes equally wide spaced**; # LEIBNIZIAN SYSTEM TWO NEGATED PLUS OR MINUS-PLUS PARTIAL AMBIGUOUS SIGN

B-18: 1DC12 FE01; **horizontal strokes equally narrow spaced**; # LEIBNIZIAN SYSTEM TWO NEGATED PLUS OR MINUS-PLUS PARTIAL AMBIGUOUS SIGN

– instead of **space(s)** also the terms **spacing** or **distance** may be suitable.

Option b)

B-13: 1DC09 FE00; **crossbars with wider space**; # LEIBNIZIAN SYSTEM TWO PLUS OR PLUS-MINUS AMBIGUOUS SIGN

B-14: 1DC0A FE00; **crossbars with wide lower space**; # LEIBNIZIAN SYSTEM TWO PLUS OR MINUS-PLUS AMBIGUOUS SIGN

B-15: 1DC0D FE00; **crossbars with wider spaces**; # LEIBNIZIAN SYSTEM TWO NEGATED PLUS OR MINUS-PLUS AMBIGUOUS SIGN

B-17: 1DC12 FE00; **crossbars equally wide spaced**; # LEIBNIZIAN SYSTEM TWO NEGATED PLUS OR MINUS-PLUS PARTIAL AMBIGUOUS SIGN

B-18: 1DC12 FE01; **crossbars equally narrow spaced**; # LEIBNIZIAN SYSTEM TWO NEGATED PLUS OR MINUS-PLUS PARTIAL AMBIGUOUS SIGN

– instead of **space(s)** also the terms **spacing** or **distance** may be suitable.

2. U180 delta charts: corrections and suggestions

Block 2200, pages 247–249

The use of the wording “using” in the definitions of VS characters seems inconsistent.

We suggest the following changes:

223D FE00	lazy S shape	or	lazy S variant
2242 FE00	with inverted lazy S shape		
2243 FE00	with inverted lazy S shape		
2248 FE00	inverted lazy S shape	or	inverted lazy S variant
22CD FE00	with lazy S shape		

Block 2A00, pages 301, 304

The use of the wording “using” in the definitions of VS characters seems inconsistent.

We suggest the following change:

2A6C FE00 **with inverted lazy S shapes**

Block 1CEC0, page 1732, 1733

At codepoint **1CED5** the new character ALCHEMICAL SYMBOL FOR RETORT-2 is missing. We were informed that the UTC had voted for this character to get a new codepoint instead of a VS encoding (see doc. N5332R).

We further suggest that the entry for this character gets a matching annotation:

1CED5	[glyph]	ALCHEMICAL SYMBOL FOR RETORT-2
	→ 1F76D	[glyph] alchemical symbol for retort
	→ 2697	☿ alembic

Block 1DB00, page 1796

Please check the glyph depictions of 1DB0E, 1DB0F, 1DB11, 1DB12, 1DB13 and 1DB14; some lower parts appear to be cropped.

Block 1DF00, page 1801

The section “Cossic letters” may get the following subheading:

These characters have been used in historic mathematical works on Algebra.

Also, under 1DF95 the phrase

- denotes fifth power of the unknown [in historical mathematics]

could be dropped, which would be consistent with the annotations of the other Cossic letters.

Block 1F700, page 1873

The entry for 1F76D should get an additional annotation, as follows:

1F76D  ALCHEMICAL SYMBOL FOR RETORT
→ **1CED5** [glyph] **alchemical symbol for retort-2**
→ 2697  alembic

Block 1F780, page 1878

In the section “Triangles and rhombus”, the character names are to be corrected into:

1F7FD LOWER **RIGHT** FLATTENED RIGHT TRIANGLE
1F7FE LOWER **LEFT** FLATTENED RIGHT TRIANGLE

This correction is probably also necessary for the **Character Properties** entries.