

Doc Type: Individual Contribution

Title: Request to re-order 5 letterlike symbols in the 1DB00 block

Source: Andreas Stötzner

Action: for consideration by SEWG and UTC

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Requester's reference: LUCP L-2628

This document requests a revision of codepoint allocations for five new letterlike symbols, proposed by **N5335R3** (LUCP L-2619), recommended for future addition to the UCS (see **n5354-Mtg73-Paris-Recs-rev5.pdf**).

The characters 1DB20 σ DOUBLE SMALL SIGMA SYMBOL and 1DB21 $\var�$ OMICRON UPSILON SYMBOL should switch positions with the characters 1DB1E $\mathfrak{D}$ FUNCTIO DIFFERENTIATA SYMBOL and 1DB1F $\mathfrak{X}$ DOUBLE X SYMBOL.

Rationale: the new sorting is more organized and consistent because it groups the three new lowercase-like symbols (σ , $\var�$, σ) in one column together with also lowercase char. 1DB1C $\mathfrak{f}$. On the other hand, the two capital-based symbols ($\mathfrak{D}$, $\mathfrak{X}$) remain together at the top of the 1DB2x column.

*Scheme as proposed
in N5335R3:*

	1DB0	1DB1	1DB2	1DB3
0	$\sqcap$ 1DB00	∞ 1DB10	σ 1DB20	$\var�$ 1DB30
1	$\sqcap$ 1DB01	∞ 1DB11	$\var�$ 1DB21	σ 1DB31
2	$\sqcap$ 1DB02	∞ 1DB12	$\times$ 1DB22	σ 1DB32
3	$\sqcap$ 1DB03	∞ 1DB13	$\textcircled{1}$ 1DB23	σ 1DB33
4	$\sqcap$ 1DB04	∞ 1DB14	$\top$ 1DB24	σ 1DB34
5	$\sqcap$ 1DB05	∞ 1DB15	π 1DB25	σ 1DB35
6	$\sqcap$ 1DB06	∞ 1DB16	$\textcircled{\times}$ 1DB26	σ 1DB36
7	$\sqcap$ 1DB07	∞ 1DB17	$\textcircled{\sigma}$ 1DB27	σ 1DB37
8	$\sqcap$ 1DB08	∞ 1DB18	$\textcircled{\sigma}$ 1DB28	σ 1DB38
9	$\sqcap$ 1DB09	∞ 1DB19	$\textcircled{\sigma}$ 1DB29	σ 1DB39
A	$\sqcap$ 1DB0A	∞ 1DB1A	$\textcircled{\sigma}$ 1DB2A	σ 1DB3A
B	$\sqcap$ 1DB0B	∞ 1DB1B	$\textcircled{\sigma}$ 1DB2B	σ 1DB3B
C	$\sqcap$ 1DB0C	∞ 1DB1C	$\textcircled{\sigma}$ 1DB2C	σ 1DB3C
D	$\sqcap$ 1DB0D	∞ 1DB1D	σ 1DB2D	$\var�$ 1DB3D
E	$\sqcap$ 1DB0E	∞ 1DB1E	σ 1DB2E	$\var�$ 1DB3E
F	$\sqcap$ 1DB0F	∞ 1DB1F	σ 1DB2F	$\var�$ 1DB3F

*New proposed
encoding scheme:*

	1DB0	1DB1	1DB2	1DB3
0	$\sqcap$ 1DB00	∞ 1DB10	$\mathfrak{D}$ 1DB20	$\var�$ 1DB30
1	$\sqcap$ 1DB01	∞ 1DB11	$\mathfrak{X}$ 1DB21	σ 1DB31
2	$\sqcap$ 1DB02	∞ 1DB12	$\times$ 1DB22	σ 1DB32
3	$\sqcap$ 1DB03	∞ 1DB13	$\textcircled{1}$ 1DB23	σ 1DB33
4	$\sqcap$ 1DB04	∞ 1DB14	$\top$ 1DB24	σ 1DB34
5	$\sqcap$ 1DB05	∞ 1DB15	π 1DB25	σ 1DB35
6	$\sqcap$ 1DB06	∞ 1DB16	$\textcircled{\times}$ 1DB26	σ 1DB36
7	$\sqcap$ 1DB07	∞ 1DB17	$\textcircled{\sigma}$ 1DB27	σ 1DB37
8	$\sqcap$ 1DB08	∞ 1DB18	$\textcircled{\sigma}$ 1DB28	σ 1DB38
9	$\sqcap$ 1DB09	∞ 1DB19	$\textcircled{\sigma}$ 1DB29	σ 1DB39
A	$\sqcap$ 1DB0A	∞ 1DB1A	$\textcircled{\sigma}$ 1DB2A	σ 1DB3A
B	$\sqcap$ 1DB0B	∞ 1DB1B	$\textcircled{\sigma}$ 1DB2B	σ 1DB3B
C	$\sqcap$ 1DB0C	∞ 1DB1C	$\textcircled{\sigma}$ 1DB2C	σ 1DB3C
D	$\sqcap$ 1DB0D	∞ 1DB1D	σ 1DB2D	$\var�$ 1DB3D
E	$\sqcap$ 1DB0E	∞ 1DB1E	σ 1DB2E	$\var�$ 1DB3E
F	$\sqcap$ 1DB0F	∞ 1DB1F	σ 1DB2F	$\var�$ 1DB3F

*Updated codes
and characters:*

1DB1D	$\var�$	ALPHA X SYMBOL
1DB1E	$\var�$	OMICRON UPSILON SYMBOL
1DB1F	σ	DOUBLE SMALL SIGMA SYMBOL
1DB20	$\mathfrak{D}$	FUNCTIO DIFFERENTIATA SYMBOL
1DB21	$\mathfrak{X}$	DOUBLE X SYMBOL

$\sqcap$	Leibnizian operators new in UCS 18.0
σ	Letterlike symbols
$\mathfrak{f}$	Miscellaneous mathematical symbols see proposal N5336 (see L-2621)