

ISO/IEC JTC 1/SC 2
CODED CHARACTER SETS
SECRETARIAT: JAPAN (JISC)

DOC TYPE: Application for Registration

TITLE: Application for Registration No.218, Mathematical coded character set for bibliographic information interchange, part 2

SOURCE: National Body of Ireland

PROJECT: --

STATUS: This document is circulated to the SC 2 members for review and comment by 1998-10-15.

ACTION ID: COM

DUE DATE: 1998-10-15

DISTRIBUTION: P, O and L Members of ISO/IEC JTC 1/SC 2
WG Conveners and Secretariats
Secretariat, ISO/IEC JTC 1
ISO/IEC ITTF

NO. OF PAGES: 6

ACCESS LEVEL: Open

WEB ISSUE #: 021

Contact: Secretariat ISO/IEC JTC 1/SC 2 - Toshiko KIMURA
IPSJ/ITSCJ (Information Processing Society of Japan/Information Technology Standards Commission of Japan)*
Room 308-3, Kikai-Shinko-Kaikan Bldg., 3-5-8, Shiba-Koen, Minato-ku, Tokyo 105-0011 JAPAN
Tel: +81 3 3431 2808; Fax: +81 3 3431 6493; Telex: 2425340 IPSJ J; email: kimura@itsecj.ipsj.or.jp
*A Standard Organization accredited by JISC

TYPE: 94-character graphic character set	REGISTRATION NUMBER: 218 DATE OF REGISTRATION:
ESCAPE SEQUENCE	G0: ESC 02/08 02/01 F G1: ESC 02/09 02/01 F G2: ESC 02/10 02/01 F G3: ESC 02/11 02/01 F C0: - C1: -
NAME Mathematical coded character set for bibliographic information interchange, part 2	
DESCRIPTION Second table of a set for use with ISO 646, ISO 5426, and ISO 5428 in an 8-bit code. This registration harmonizes with ISO/IEC 10646-1 as regards character names, and gives UCS mappings where available.	
SPONSOR NSAI (National Standards Authority of Ireland)	
ORIGIN ISO 6862:1996	
FIELD OF UTILIZATION Communication and processing of text for the international exchange of bibliographic records including their annotations, incorporating symbols mainly from the following disciplines: algebra, arithmetic, calculus, cybernetics, geometry, hyperbolic functions, logic, mechanics, probability studies, set theory, statistics, topology, trigonometry, and vectors.	

					b_8	1	1	1	1	1	1	1	1	
					b_7	0	0	0	0	1	1	1	1	
					b_6	0	0	1	1	0	0	1	1	
					b_5	0	1	0	1	0	1	0	1	
						0	1	2	3	4	5	6	7	
b_4	b_3	b_2	b_1											
0	0	0	0	0				\neq	\approx	\parallel	\perp	\equiv		0
0	0	0	1	1			\oplus	\doteq	\therefore	$/$	\backslash	\div		1
0	0	1	0	2			\ominus	$($	$)$	\top	\setminus	α		2
0	0	1	1	3			\otimes	\lfloor	\rfloor	\vee	\wedge	$\}$		3
0	1	0	0	4			\odot	$:$	\oplus	\cup	\cap	\neq		4
0	1	0	1	5			\therefore	\lceil	\rceil	\subset	\supset	\vdash		5
0	1	1	0	6			\ddots	\sqsubseteq	\sqsupseteq	\in	\ni	\parallel		6
0	1	1	1	7			\square	\sqcup	\sqcap	\nwarrow	\nearrow	\dagger		7
1	0	0	0	8			\sqsupset	\triangleleft	\trianglelefteq	\swarrow	\searrow	\leftrightarrow		8
1	0	0	1	9			\circ	\succcurlyeq	\preccurlyeq	\uparrow	\rightarrow	\curvearrowright		9
1	0	1	0	10			\circ	$<$	$>$	\rightarrow	\Rightarrow	\Leftrightarrow		A
1	0	1	1	11			\div	\leq	\geq	\curvearrowright	\curvearrowleft	\Updownarrow		B
1	1	0	0	12			\dagger	$\dot{-}$	$\dot{=}$	\circ	\bullet	\lrcorner		C
1	1	0	1	13			∞	$\hat{=}$	$\hat{\leq}$	\square	\blacksquare	\emptyset		D
1	1	1	0	14			\sim	\triangleleft	\triangleright	\square	\square	\mathbb{R}		E
1	1	1	1	15			\S	Δ	∇	\diamond	\times			F
					0	1	2	3	4	5	6	7	\nearrow_{e+}	

Pos.	Name	Note
02/00	(This position shall not be used)	
02/01	CIRCLED PLUS	U+2295
02/02	CIRCLED MINUS	U+2296
02/03	CIRCLED TIMES	U+2297
02/04	CIRCLED DOT OPERATOR	U+2299
02/05	THEREFORE	U+2234
02/06	BECAUSE	U+2235
02/07	SQUARE IMAGE OF	U+228F
02/08	SQUARE ORIGINAL OF	U+2290
02/09	IMAGE OF	U+22B7
02/10	ORIGINAL OF	U+22B6
02/11	HERMITIAN CONJUGATE MATRIX	U+22B9
02/12	DOT PLUS	U+2214
02/13	INVERTED LAZY S	U+223E
02/14	HOMOTHETIC	U+223B
02/15	PRECEDES UNDER RELATION	U+22B0
03/00	NOT EQUAL TO	U+2260
03/01	IMAGE OF OR APPROXIMATELY EQUAL TO	U+2253
03/02	LEFT WHITE TORTOISE SHELL BRACKET	U+3018
03/03	LEFT FLOOR	U+230A
03/04	VERTICAL ELLIPSIS	U+22EE
03/05	LEFT CEILING	U+2308
03/06	SQUARE IMAGE OF OR EQUAL TO	U+2291
03/07	SQUARE CUP	U+2294
03/08	NORMAL SUBGROUP OF	U+22B2
03/09	SUCCEEDS OR EQUIVALENT TO	U+227F
03/10	PRECEDES	U+227A
03/11	PRECEDES OR EQUAL TO	U+227C
03/12	DOT MINUS	U+2238
03/13	CORRESPONDS TO	U+2258
03/14	WHITE LEFT-POINTING SMALL TRIANGLE	U+25C3
03/15	WHITE UP-POINTING SMALL TRIANGLE	U+25B5

Pos.	Name	Note
04/00	ASYMPTOMATICALLY EQUAL TO	U+2243
04/01	PROPORTION	U+2237
04/02	RIGHT WHITE TORTOISE SHELL BRACKET	U+3019
04/03	RIGHT FLOOR	U+230B
04/04	GEOMETRICALLY EQUIVALENT TO	U+224E
04/05	RIGHT CEILING	U+2309
04/06	SQUARE ORIGINAL OF OR EQUAL TO	U+2292
04/07	SQUARE CAP	U+2293
04/08	NORMAL SUBGROUP OF OR EQUAL TO	U+22B4
04/09	PRECEDES OR EQUIVALENT TO	U+227E
04/10	SUCCEEDS	U+227B
04/11	SUCCEEDS OR EQUAL TO	U+227D
04/12	APPROACHES THE LIMIT	U+2250
04/13	EQUIANGULAR TO	U+22AF
04/14	WHITE RIGHT-POINTING SMALL TRIANGLE	U+22B9
04/15	WHITE DOWN-POINTING SMALL TRIANGLE	U+22BF
05/00	DOUBLE VERTICAL LINE	U+2016
05/01	SOLIDUS	U+002F
05/02	DOWN TACK	U+22A4
05/03	VECTOR OR SUM	
05/04	SUM OR UNION OF CLASSES OR SETS	
05/05	IS INCLUDED IN SET	
05/06	SMALL ELEMENT OF	U+220A
05/07	NORTH WEST ARROW	U+2196
05/08	SOUTH WEST ARROW	U+2199
05/09	UPWARDS HARPOON WITH BARB RIGHTWARDS	U+21BE
05/10	RIGHTWARDS ARROW WITH STROKE	U+219B
05/11	RIGHTWARDS ARROW WITH HOOK	U+21AA
05/12	WHITE CIRCLE	U+25CB
05/13	WHITE SQUARE	U+25A1
05/14	WHITE RECTANGLE	U+25AD
05/15	LOZENGE	U+25CA

Pos.	Name	Note
06/00	VERTICAL LINE	U+0076
06/01	REVERSE SOLIDUS	U+005C
06/02	DIFFERENCE	U+2216?
06/03	VECTOR PRODUCT	U+2303?
06/04	PRODUCT OF INTERSECTION OF CLASSES OR SETS	
06/05	INCLUDES IN SET	
06/06	SMALL CONTAINS AS MEMBER	U+220D
06/07	NORTH EAST ARROW	U+2197
06/08	SOUTH EAST ARROW	U+2198
06/09	RIGHTWARDS SQUIGGLE ARROW	U+21DD
06/10	RIGHTWARDS TWO HEADED ARROW	U+21A0
06/11	LEFTWARDS ARROW WITH HOOK	U+21A9
06/12	BLACK CIRCLE	U+25CF
06/13	BLACK SQUARE	U+25A0
06/14	WHITE PARALLELOGRAM	U+25B1
06/15	SPHERICAL ANGLE	U+2221
07/00	APPROXIMATELY EQUAL TO OR THE IMAGE OF	U+2252
07/01	GEOMETRIC PROPORTION	U+223A
07/02	PROPORTIONAL TO	U+221D
07/03	WAVY LINE	U+2307
07/04	TRUE	U+22A8
07/05	ASSERTION	U+22A6
07/06	NOT PARALLEL TO	U+2226
07/07	DOES NOT DIVIDE	U+2224
07/08	LEFTWARDS ARROW WITH STROKE	U+219A
07/09	LEFTWARDS SQUIGGLE ARROW	U+21DC
07/10	LEFT RIGHT DOUBLE ARROW	U+21D4
07/11	UP DOWN DOUBLE ARROW	U+21D5
07/12	TURNED GREEK SMALL LETTER IOTA	U+2129
07/13	SCRIPT CAPITAL P	U+2118
07/14	PRESCRIPTION TAKE	U+211E
07/15	(This position shall not be used)	