

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

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TITLE: Application for Registration No.217, Mathematical coded character set for bibliographic information interchange, part 1

SOURCE: National Body of Ireland

PROJECT: --

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TYPE: 94-character graphic character set	REGISTRATION NUMBER: 217 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 1	
DESCRIPTION First 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					\times	\div	$+$	$-$	$'$	0
0	0	0	1	1				\emptyset	\pm	\mp	\subset	\supset	$"$	1
0	0	1	0	2				ϕ	\sim	\approx	\subseteq	\supseteq	$'''$	2
0	0	1	1	3				\emptyset	\approx	\cong	\in	\exists	\forall	3
0	1	0	0	4				\ominus	\equiv	\cong	\cup	\cap	\wedge	4
0	1	0	1	5				\odot	\leq	\geq	\forall	\exists	\neg	5
0	1	1	0	6				\odot	\leq	\geq	\subset	\emptyset	\hbar	6
0	1	1	1	7				\odot	\leq	\geq	\uparrow	\downarrow	\vdash	7
1	0	0	0	8				$\ddot{\circ}$	\ll	\gg	\leftarrow	\rightarrow	\int	8
1	0	0	1	9				$\dot{\circ}$	\parallel	\perp	\hookrightarrow	\curvearrowright	$\int\int$	9
1	0	1	0	10				$\ddot{\circ}$	\llcorner	\lrcorner	\leftrightarrow	\updownarrow	$\int\int\int$	A
1	0	1	1	11				$\dot{\circ}$	Δ	∇	\Leftrightarrow	\Leftrightarrow	∂	B
1	1	0	0	12				$\hat{\circ}$	\circ	$\%$	\mapsto	\rightleftarrows	\hbar	C
1	1	0	1	13				$\check{\circ}$	\langle	\rangle	\Uparrow	\Downarrow	\Re	D
1	1	1	0	14				$\vec{\circ}$	\llbracket	\rrbracket	\Leftarrow	\Rightarrow	\circ	E
1	1	1	1	15				$\dot{\circ}$	Σ	Π	∞	$\sqrt{\quad}$		F
					0	1	2	3	4	5	6	7	\hbar_{e+}	

Pos.	Name	Note
02/00	(This position shall not be used)	
02/01	COMBINING LONG SOLIDUS OVERLAY	U+0338
02/02	COMBINING LONG VERTICAL LINE OVERLAY	U+20D2
02/03	COMBINING SHORT VERTICAL LINE OVERLAY	U+20D3
02/04	COMBINING SHORT STROKE OVERLAY	U+0335?
02/05	COMBINING CIRCLE OVERLAY	U+20DB
02/06	COMBINING ANTICLOCKWISE OVERLAY	U+20DA
02/07	COMBINING CLOCKWISE OVERLAY	U+20D9
02/08	COMBINING ANTICLOCKWISE ARROW ABOVE	U+20D4
02/09	COMBINING DOT ABOVE	U+0307
02/10	COMBINING DIAERESIS	U+0308
02/11	COMBINING LEFT ARROW ABOVE	U+20D6
02/12	COMBINING CIRCUMFLEX ACCENT	U+0302
02/13	COMBINING CARON	U+030C
02/14	COMBINING RIGHT ARROW ABOVE	U+20D7
02/15	COMBINING CLOCKWISE ARROW ABOVE	U+20D5
03/00	MULTIPLICATION SIGN	U+00D7
03/01	PLUS-MINUS SIGN	U+00B1
03/02	TILDE OPERATOR	U+2236
03/03	ALMOST EQUAL TO	U+2248
03/04	IDENTICAL TO	U+2261
03/05	LESS-THAN OR EQUAL TO	U+2264
03/06	LESS-THAN OR GREATER-THAN	U+2276
03/07	LESS-THAN OR EQUIVALENT TO	U+2272
03/08	MUCH LESS-THAN	U+226A
03/09	PARALLEL TO	U+2225
03/10	RIGHT ANGLE	U+221F
03/11	INCREMENT	U+2206
03/12	DEGREE SIGN	U+00B0
03/13	LEFT ANGLE BRACKET	U+3008
03/14	LEFT WHITE SQUARE PRACKET	U+301A
03/15	N-ARY SUMMATION	U+2211

Pos.	Name	Note
04/00	DIVISION SIGN	U+00F7
04/01	MINUS-OR-PLUS SIGN	U+2213
04/02	ASYMPTOMATICALLY EQUAL TO	U+2243
04/03	APPROXIMATELY EQUAL TO	U+2245
04/04	DIFFERENCE BETWEEN	U+224F
04/05	GREATER-THAN OR EQUAL TO	U+2265
04/06	GREATER-THAN OR LESS-THAN	U+2277
04/07	GREATER-THAN OR EQUIVALENT TO	U+2273
04/08	MUCH GREATER-THAN	U+226B
04/09	UP TACK	U+22A5
04/10	ANGLE	U+2220
04/11	NABLA	U+2207
04/12	PER MILLE SIGN	U+2030
04/13	RIGHT ANGLE BRACKET	U+3009
04/14	RIGHT WHITE SQUARE BRACKET	U+301B
04/15	N-ARY PRODUCT	U+220F
05/00	PLUS SIGN	U+002B
05/01	SUBSET OF	U+2282
05/02	SUBSET OF OR EQUAL TO	U+2286
05/03	ELEMENT OF	U+2208
05/04	UNION	U+222A
05/05	FOR ALL	U+2200
05/06	COMPLEMENT	U+2201
05/07	UPWARDS ARROW	U+2191
05/08	LEFTWARDS ARROW	U+2190
05/09	ANTICLOCKWISE TOP SEMICIRCLE ARROW	U+21B6
05/10	LEFT RIGHT ARROW	U+2194
05/11	LEFTWARDS ARROW OVER RIGHTWARDS ARROW	U+22C6
05/12	RIGHTWARDS ARROW FROM BAR	U+22A6
05/13	UPWARDS DOUBLE ARROW	U+21D1
05/14	LEFTWARDS DOUBLE ARROW	U+21D0
05/15	INFINITY	U+221E

Pos.	Name	Note
06/00	MINUS SIGN	U+2212
06/01	SUPERSET OF	U+2283
06/02	SUPERSET OF OR EQUAL TO	U+2287
06/03	CONTAINS AS MEMBER	U+220B
06/04	INTERSECTION	U+2229
06/05	THERE EXISTS	U+2203
06/06	EMPTY SET	U+2205
06/07	DOWNWARDS ARROW	U+2193
06/08	RIGHTWARDS ARROW	U+2192
06/09	CLOCKWISE TOP SEMICIRCLE ARROW	U+21B7
06/10	UP DOWN ARROW	U+2195
06/11	RIGHTWARDS ARROW OVER LEFTWARDS ARROW	U+21C4
06/12	UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW	U+21C5
06/13	DOWNWARDS DOUBLE ARROW	U+21D3
06/14	RIGHTWARDS DOUBLE ARROW	U+21D2
06/15	SQUARE ROOT	U+221A
07/00	PRIME	U+2032
07/01	DOUBLE PRIME	U+2033
07/02	TRIPLE PRIME	U+2034
07/03	LOGICAL OR	U+2228
07/04	LOGICAL AND	U+2227
07/05	NOT SIGN	U+00AC
07/06	PLANCK CONSTANT	U+210E
07/07	RIGHT TACK	U+22A2
07/08	INTEGRAL	U+222B
07/09	DOUBLE INTEGRAL	U+222C
07/10	TRIPLE INTEGRAL	U+222D
07/11	PARTIAL DIFFERENTIAL	U+2202
07/12	PLANCK CONSTANT OVER TWO PI	U+210F
07/13	ALEF SYMBOL	U+2135
07/14	RING OPERATOR	U+2218
07/15	(This position shall not be used)	