

## **Mathematical Alphanumeric Symbols**

**Range: 1D400–1D7FF**

### **The Unicode Standard 3.1**

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 3.1*.

The characters in this file that are new for The Unicode Standard, Version 3.1 are shown in conjunction with characters that already exist in The Unicode Standard, Version 3.0. For ease of reference, the new characters have been highlighted in the charts and in the nameslist.

This file will not be updated with errata or when additional characters are assigned by the Unicode Standard. See <http://www.unicode.org/charts> for access to a complete set of the latest character charts.

### **Disclaimer**

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts.

For a complete understanding of the use of the characters contained in this excerpt file, please consult the appropriate sections of The Unicode Standard, Version 3.0 (ISBN 0-201-61633-5), as well as the Unicode Technical Reports and the Unicode Character Database, which are available online.

See <ftp://ftp.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.html> and <http://www.unicode.org/unicode/reports>

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

### **Fonts**

The fonts used in these charts were provided to the Unicode Consortium by a number of different font designers

See <http://www.unicode.org/unicode/uni2book/u2fonts.html> for a list.

### **Terms of Use**



These charts are provided as a convenient online reference to the character contents of the Unicode Standard, Version 3.1. Proper Unicode support requires considerably more than just providing glyphs for characters, and requires consulting the Unicode Standard and the Unicode Technical Reports.

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	1D40	1D41	1D42	1D43	1D44	1D45	1D46	1D47	1D48	1D49	1D4A	1D4B	1D4C
0	<b>A</b> 1D400	<b>Q</b> 1D410	<b>g</b> 1D420	<b>w</b> 1D430	<b>M</b> 1D440	<b>c</b> 1D450	<b>s</b> 1D460	<b>I</b> 1D470	<b>Y</b> 1D480	<b>o</b> 1D490		<b>U</b> 1D4B0	<b>k</b> 1D4C0
1	<b>B</b> 1D401	<b>R</b> 1D411	<b>h</b> 1D421	<b>x</b> 1D431	<b>N</b> 1D441	<b>d</b> 1D451	<b>t</b> 1D461	<b>J</b> 1D471	<b>Z</b> 1D481	<b>p</b> 1D491		<b>V</b> 1D4B1	
2	<b>C</b> 1D402	<b>S</b> 1D412	<b>i</b> 1D422	<b>y</b> 1D432	<b>O</b> 1D442	<b>e</b> 1D452	<b>u</b> 1D462	<b>K</b> 1D472	<b>a</b> 1D482	<b>q</b> 1D492	<b>G</b> 1D4A2	<b>W</b> 1D4B2	<b>m</b> 1D4C2
3	<b>D</b> 1D403	<b>T</b> 1D413	<b>j</b> 1D423	<b>z</b> 1D433	<b>P</b> 1D443	<b>f</b> 1D453	<b>v</b> 1D463	<b>L</b> 1D473	<b>b</b> 1D483	<b>r</b> 1D493		<b>X</b> 1D4B3	<b>n</b> 1D4C3
4	<b>E</b> 1D404	<b>U</b> 1D414	<b>k</b> 1D424	<b>A</b> 1D434	<b>Q</b> 1D444	<b>g</b> 1D454	<b>w</b> 1D464	<b>M</b> 1D474	<b>c</b> 1D484	<b>s</b> 1D494		<b>Y</b> 1D4B4	
5	<b>F</b> 1D405	<b>V</b> 1D415	<b>l</b> 1D425	<b>B</b> 1D435	<b>R</b> 1D445		<b>x</b> 1D465	<b>N</b> 1D475	<b>d</b> 1D485	<b>t</b> 1D495	<b>J</b> 1D4A5	<b>Z</b> 1D4B5	<b>p</b> 1D4C5
6	<b>G</b> 1D406	<b>W</b> 1D416	<b>m</b> 1D426	<b>C</b> 1D436	<b>S</b> 1D446	<b>i</b> 1D456	<b>y</b> 1D466	<b>O</b> 1D476	<b>e</b> 1D486	<b>u</b> 1D496	<b>K</b> 1D4A6	<b>a</b> 1D4B6	<b>q</b> 1D4C6
7	<b>H</b> 1D407	<b>X</b> 1D417	<b>n</b> 1D427	<b>D</b> 1D437	<b>T</b> 1D447	<b>j</b> 1D457	<b>z</b> 1D467	<b>P</b> 1D477	<b>f</b> 1D487	<b>v</b> 1D497		<b>b</b> 1D4B7	<b>r</b> 1D4C7
8	<b>I</b> 1D408	<b>Y</b> 1D418	<b>o</b> 1D428	<b>E</b> 1D438	<b>U</b> 1D448	<b>k</b> 1D458	<b>A</b> 1D468	<b>Q</b> 1D478	<b>g</b> 1D488	<b>w</b> 1D498		<b>c</b> 1D4B8	<b>s</b> 1D4C8
9	<b>J</b> 1D409	<b>Z</b> 1D419	<b>p</b> 1D429	<b>F</b> 1D439	<b>V</b> 1D449	<b>l</b> 1D459	<b>B</b> 1D469	<b>R</b> 1D479	<b>h</b> 1D489	<b>x</b> 1D499	<b>N</b> 1D4A9	<b>d</b> 1D4B9	<b>t</b> 1D4C9
A	<b>K</b> 1D40A	<b>a</b> 1D41A	<b>q</b> 1D42A	<b>G</b> 1D43A	<b>W</b> 1D44A	<b>m</b> 1D45A	<b>C</b> 1D46A	<b>S</b> 1D47A	<b>i</b> 1D48A	<b>y</b> 1D49A	<b>O</b> 1D4AA		<b>u</b> 1D4CA
B	<b>L</b> 1D40B	<b>b</b> 1D41B	<b>r</b> 1D42B	<b>H</b> 1D43B	<b>X</b> 1D44B	<b>n</b> 1D45B	<b>D</b> 1D46B	<b>T</b> 1D47B	<b>j</b> 1D48B	<b>z</b> 1D49B	<b>P</b> 1D4AB	<b>f</b> 1D4BB	<b>v</b> 1D4CB
C	<b>M</b> 1D40C	<b>c</b> 1D41C	<b>s</b> 1D42C	<b>I</b> 1D43C	<b>Y</b> 1D44C	<b>o</b> 1D45C	<b>E</b> 1D46C	<b>U</b> 1D47C	<b>k</b> 1D48C	<b>A</b> 1D49C	<b>Q</b> 1D4AC		<b>w</b> 1D4CC
D	<b>N</b> 1D40D	<b>d</b> 1D41D	<b>t</b> 1D42D	<b>J</b> 1D43D	<b>Z</b> 1D44D	<b>p</b> 1D45D	<b>F</b> 1D46D	<b>V</b> 1D47D	<b>l</b> 1D48D			<b>h</b> 1D4BD	<b>x</b> 1D4CD
E	<b>O</b> 1D40E	<b>e</b> 1D41E	<b>u</b> 1D42E	<b>K</b> 1D43E	<b>a</b> 1D44E	<b>q</b> 1D45E	<b>G</b> 1D46E	<b>W</b> 1D47E	<b>m</b> 1D48E	<b>C</b> 1D49E	<b>S</b> 1D4AE	<b>i</b> 1D4BE	<b>y</b> 1D4CE
F	<b>P</b> 1D40F	<b>f</b> 1D41F	<b>v</b> 1D42F	<b>L</b> 1D43F	<b>b</b> 1D44F	<b>r</b> 1D45F	<b>H</b> 1D46F	<b>X</b> 1D47F	<b>n</b> 1D48F	<b>D</b> 1D49F	<b>T</b> 1D4AF	<b>j</b> 1D4BF	<b>z</b> 1D4CF

	1D4D	1D4E	1D4F	1D50	1D51	1D52	1D53	1D54	1D55	1D56	1D57	1D58	1D59
0	<i>A</i> 1D4D0	<i>Q</i> 1D4E0	<i>g</i> 1D4F0	<i>w</i> 1D500	<i>M</i> 1D510	<i>c</i> 1D520	<i>s</i> 1D530	<i>I</i> 1D540	<i>Y</i> 1D550	<i>o</i> 1D560	<i>C</i> 1D570	<i>u</i> 1D580	<i>f</i> 1D590
1	<i>B</i> 1D4D1	<i>R</i> 1D4E1	<i>h</i> 1D4F1	<i>x</i> 1D501	<i>N</i> 1D511	<i>d</i> 1D521	<i>t</i> 1D531	<i>J</i> 1D541		<i>p</i> 1D561	<i>F</i> 1D571	<i>B</i> 1D581	<i>l</i> 1D591
2	<i>C</i> 1D4D2	<i>P</i> 1D4E2	<i>i</i> 1D4F2	<i>y</i> 1D502	<i>D</i> 1D512	<i>e</i> 1D522	<i>u</i> 1D532	<i>K</i> 1D542	<i>a</i> 1D552	<i>q</i> 1D562	<i>G</i> 1D572	<i>W</i> 1D582	<i>m</i> 1D592
3	<i>D</i> 1D4D3	<i>T</i> 1D4E3	<i>j</i> 1D4F3	<i>z</i> 1D503	<i>P</i> 1D513	<i>f</i> 1D523	<i>v</i> 1D533	<i>L</i> 1D543	<i>b</i> 1D553	<i>r</i> 1D563	<i>S</i> 1D573	<i>X</i> 1D583	<i>n</i> 1D593
4	<i>E</i> 1D4D4	<i>U</i> 1D4E4	<i>k</i> 1D4F4	<i>A</i> 1D504	<i>Q</i> 1D514	<i>g</i> 1D524	<i>w</i> 1D534	<i>M</i> 1D544	<i>c</i> 1D554	<i>s</i> 1D564	<i>S</i> 1D574	<i>Y</i> 1D584	<i>o</i> 1D594
5	<i>F</i> 1D4D5	<i>V</i> 1D4E5	<i>l</i> 1D4F5	<i>B</i> 1D505		<i>h</i> 1D525	<i>x</i> 1D535		<i>d</i> 1D555	<i>t</i> 1D565	<i>F</i> 1D575	<i>Z</i> 1D585	<i>p</i> 1D595
6	<i>G</i> 1D4D6	<i>W</i> 1D4E6	<i>m</i> 1D4F6		<i>G</i> 1D516	<i>i</i> 1D526	<i>h</i> 1D536	<i>o</i> 1D546	<i>e</i> 1D556	<i>u</i> 1D566	<i>K</i> 1D576	<i>a</i> 1D586	<i>q</i> 1D596
7	<i>H</i> 1D4D7	<i>X</i> 1D4E7	<i>n</i> 1D4F7	<i>D</i> 1D507	<i>T</i> 1D517	<i>j</i> 1D527	<i>z</i> 1D537		<i>f</i> 1D557	<i>v</i> 1D567	<i>Q</i> 1D577	<i>b</i> 1D587	<i>r</i> 1D597
8	<i>I</i> 1D4D8	<i>Y</i> 1D4E8	<i>o</i> 1D4F8	<i>E</i> 1D508	<i>U</i> 1D518	<i>k</i> 1D528	<i>A</i> 1D538		<i>g</i> 1D558	<i>w</i> 1D568	<i>M</i> 1D578	<i>c</i> 1D588	<i>s</i> 1D598
9	<i>J</i> 1D4D9	<i>Z</i> 1D4E9	<i>p</i> 1D4F9	<i>F</i> 1D509	<i>V</i> 1D519	<i>l</i> 1D529	<i>B</i> 1D539		<i>h</i> 1D559	<i>x</i> 1D569	<i>N</i> 1D579	<i>d</i> 1D589	<i>t</i> 1D599
A	<i>K</i> 1D4DA	<i>a</i> 1D4EA	<i>q</i> 1D4FA	<i>G</i> 1D50A	<i>W</i> 1D51A	<i>m</i> 1D52A		<i>S</i> 1D54A	<i>i</i> 1D55A	<i>y</i> 1D56A	<i>D</i> 1D57A	<i>e</i> 1D58A	<i>u</i> 1D59A
B	<i>L</i> 1D4DB	<i>b</i> 1D4EB	<i>r</i> 1D4FB		<i>X</i> 1D51B	<i>n</i> 1D52B	<i>D</i> 1D53B	<i>T</i> 1D54B	<i>j</i> 1D55B	<i>z</i> 1D56B	<i>P</i> 1D57B	<i>f</i> 1D58B	<i>v</i> 1D59B
C	<i>M</i> 1D4DC	<i>c</i> 1D4EC	<i>s</i> 1D4FC		<i>Y</i> 1D51C	<i>o</i> 1D52C	<i>E</i> 1D53C	<i>U</i> 1D54C	<i>k</i> 1D55C	<i>N</i> 1D56C	<i>Q</i> 1D57C	<i>g</i> 1D58C	<i>w</i> 1D59C
D	<i>N</i> 1D4DD	<i>d</i> 1D4ED	<i>t</i> 1D4FD	<i>F</i> 1D50D		<i>p</i> 1D52D	<i>F</i> 1D53D	<i>V</i> 1D54D	<i>I</i> 1D55D	<i>B</i> 1D56D	<i>N</i> 1D57D	<i>h</i> 1D58D	<i>x</i> 1D59D
E	<i>O</i> 1D4DE	<i>e</i> 1D4EE	<i>u</i> 1D4FE	<i>K</i> 1D50E	<i>a</i> 1D51E	<i>q</i> 1D52E	<i>G</i> 1D53E	<i>W</i> 1D54E	<i>m</i> 1D55E	<i>C</i> 1D56E	<i>S</i> 1D57E	<i>i</i> 1D58E	<i>h</i> 1D59E
F	<i>P</i> 1D4DF	<i>f</i> 1D4EF	<i>v</i> 1D4FF	<i>L</i> 1D50F	<i>b</i> 1D51F	<i>r</i> 1D52F		<i>X</i> 1D54F	<i>n</i> 1D55F	<i>D</i> 1D56F	<i>Z</i> 1D57F	<i>j</i> 1D58F	<i>z</i> 1D59F

	1D5A	1D5B	1D5C	1D5D	1D5E	1D5F	1D60	1D61	1D62	1D63	1D64	1D65	1D66
0	<b>A</b> 1D5A0	<b>Q</b> 1D5B0	<b>g</b> 1D5C0	<b>w</b> 1D5D0	<b>M</b> 1D5E0	<b>c</b> 1D5F0	<b>s</b> 1D600	<b>l</b> 1D610	<b>Y</b> 1D620	<b>o</b> 1D630	<b>E</b> 1D640	<b>U</b> 1D650	<b>k</b> 1D660
1	<b>B</b> 1D5A1	<b>R</b> 1D5B1	<b>h</b> 1D5C1	<b>x</b> 1D5D1	<b>N</b> 1D5E1	<b>d</b> 1D5F1	<b>t</b> 1D601	<b>J</b> 1D611	<b>Z</b> 1D621	<b>p</b> 1D631	<b>F</b> 1D641	<b>V</b> 1D651	<b>l</b> 1D661
2	<b>C</b> 1D5A2	<b>S</b> 1D5B2	<b>i</b> 1D5C2	<b>y</b> 1D5D2	<b>O</b> 1D5E2	<b>e</b> 1D5F2	<b>u</b> 1D602	<b>K</b> 1D612	<b>a</b> 1D622	<b>q</b> 1D632	<b>G</b> 1D642	<b>W</b> 1D652	<b>m</b> 1D662
3	<b>D</b> 1D5A3	<b>T</b> 1D5B3	<b>j</b> 1D5C3	<b>z</b> 1D5D3	<b>P</b> 1D5E3	<b>f</b> 1D5F3	<b>v</b> 1D603	<b>L</b> 1D613	<b>b</b> 1D623	<b>r</b> 1D633	<b>H</b> 1D643	<b>X</b> 1D653	<b>n</b> 1D663
4	<b>E</b> 1D5A4	<b>U</b> 1D5B4	<b>k</b> 1D5C4	<b>A</b> 1D5D4	<b>Q</b> 1D5E4	<b>g</b> 1D5F4	<b>w</b> 1D604	<b>M</b> 1D614	<b>c</b> 1D624	<b>s</b> 1D634	<b>l</b> 1D644	<b>Y</b> 1D654	<b>o</b> 1D664
5	<b>F</b> 1D5A5	<b>V</b> 1D5B5	<b>l</b> 1D5C5	<b>B</b> 1D5D5	<b>R</b> 1D5E5	<b>h</b> 1D5F5	<b>x</b> 1D605	<b>N</b> 1D615	<b>d</b> 1D625	<b>t</b> 1D635	<b>J</b> 1D645	<b>Z</b> 1D655	<b>p</b> 1D665
6	<b>G</b> 1D5A6	<b>W</b> 1D5B6	<b>m</b> 1D5C6	<b>C</b> 1D5D6	<b>S</b> 1D5E6	<b>i</b> 1D5F6	<b>y</b> 1D606	<b>O</b> 1D616	<b>e</b> 1D626	<b>u</b> 1D636	<b>K</b> 1D646	<b>a</b> 1D656	<b>q</b> 1D666
7	<b>H</b> 1D5A7	<b>X</b> 1D5B7	<b>n</b> 1D5C7	<b>D</b> 1D5D7	<b>T</b> 1D5E7	<b>j</b> 1D5F7	<b>z</b> 1D607	<b>P</b> 1D617	<b>f</b> 1D627	<b>v</b> 1D637	<b>L</b> 1D647	<b>b</b> 1D657	<b>r</b> 1D667
8	<b>l</b> 1D5A8	<b>Y</b> 1D5B8	<b>o</b> 1D5C8	<b>E</b> 1D5D8	<b>U</b> 1D5E8	<b>k</b> 1D5F8	<b>A</b> 1D608	<b>Q</b> 1D618	<b>g</b> 1D628	<b>w</b> 1D638	<b>M</b> 1D648	<b>c</b> 1D658	<b>s</b> 1D668
9	<b>J</b> 1D5A9	<b>Z</b> 1D5B9	<b>p</b> 1D5C9	<b>F</b> 1D5D9	<b>V</b> 1D5E9	<b>l</b> 1D5F9	<b>B</b> 1D609	<b>R</b> 1D619	<b>h</b> 1D629	<b>x</b> 1D639	<b>N</b> 1D649	<b>d</b> 1D659	<b>t</b> 1D669
A	<b>K</b> 1D5AA	<b>a</b> 1D5BA	<b>q</b> 1D5CA	<b>G</b> 1D5DA	<b>W</b> 1D5EA	<b>m</b> 1D5FA	<b>C</b> 1D60A	<b>S</b> 1D61A	<b>i</b> 1D62A	<b>y</b> 1D63A	<b>O</b> 1D64A	<b>e</b> 1D65A	<b>u</b> 1D66A
B	<b>L</b> 1D5AB	<b>b</b> 1D5BB	<b>r</b> 1D5CB	<b>H</b> 1D5DB	<b>X</b> 1D5EB	<b>n</b> 1D5FB	<b>D</b> 1D60B	<b>T</b> 1D61B	<b>j</b> 1D62B	<b>z</b> 1D63B	<b>P</b> 1D64B	<b>f</b> 1D65B	<b>v</b> 1D66B
C	<b>M</b> 1D5AC	<b>c</b> 1D5BC	<b>s</b> 1D5CC	<b>l</b> 1D5DC	<b>Y</b> 1D5EC	<b>o</b> 1D5FC	<b>E</b> 1D60C	<b>U</b> 1D61C	<b>k</b> 1D62C	<b>A</b> 1D63C	<b>Q</b> 1D64C	<b>g</b> 1D65C	<b>w</b> 1D66C
D	<b>N</b> 1D5AD	<b>d</b> 1D5BD	<b>t</b> 1D5CD	<b>J</b> 1D5DD	<b>Z</b> 1D5ED	<b>p</b> 1D5FD	<b>F</b> 1D60D	<b>V</b> 1D61D	<b>l</b> 1D62D	<b>B</b> 1D63D	<b>R</b> 1D64D	<b>h</b> 1D65D	<b>x</b> 1D66D
E	<b>O</b> 1D5AE	<b>e</b> 1D5BE	<b>u</b> 1D5CE	<b>K</b> 1D5DE	<b>a</b> 1D5EE	<b>q</b> 1D5FE	<b>G</b> 1D60E	<b>W</b> 1D61E	<b>m</b> 1D62E	<b>C</b> 1D63E	<b>S</b> 1D64E	<b>i</b> 1D65E	<b>y</b> 1D66E
F	<b>P</b> 1D5AF	<b>f</b> 1D5BF	<b>v</b> 1D5CF	<b>L</b> 1D5DF	<b>b</b> 1D5EF	<b>r</b> 1D5FF	<b>H</b> 1D60F	<b>X</b> 1D61F	<b>n</b> 1D62F	<b>D</b> 1D63F	<b>T</b> 1D64F	<b>j</b> 1D65F	<b>z</b> 1D66F

	1D67	1D68	1D69	1D6A	1D6B	1D6C	1D6D	1D6E	1D6F	1D70	1D71	1D72	1D73
0	A 1D670	Q 1D680	g 1D690	w 1D6A0	I 1D6B0	Ω 1D6C0	o 1D6D0	ρ 1D6E0	O 1D6F0	ε 1D700	υ 1D710	E 1D720	Υ 1D730
1	B 1D671	R 1D681	h 1D691	x 1D6A1	K 1D6B1	∇ 1D6C1	π 1D6D1	ω 1D6E1	Π 1D6F1	ζ 1D701	φ 1D711	Z 1D721	Φ 1D731
2	C 1D672	S 1D682	i 1D692	y 1D6A2	Λ 1D6B2	α 1D6C2	ρ 1D6D2	A 1D6E2	P 1D6F2	η 1D702	χ 1D712	H 1D722	X 1D732
3	D 1D673	T 1D683	j 1D693	z 1D6A3	M 1D6B3	β 1D6C3	ς 1D6D3	B 1D6E3	Θ 1D6F3	θ 1D703	ψ 1D713	⊖ 1D723	Ψ 1D733
4	E 1D674	U 1D684	k 1D694		N 1D6B4	γ 1D6C4	σ 1D6D4	Γ 1D6E4	Σ 1D6F4	ι 1D704	ω 1D714	I 1D724	Ω 1D734
5	F 1D675	V 1D685	l 1D695		Ξ 1D6B5	δ 1D6C5	τ 1D6D5	Δ 1D6E5	T 1D6F5	κ 1D705	∂ 1D715	K 1D725	∇ 1D735
6	G 1D676	W 1D686	m 1D696		O 1D6B6	ε 1D6C6	υ 1D6D6	E 1D6E6	Υ 1D6F6	λ 1D706	ε 1D716	Λ 1D726	α 1D736
7	H 1D677	X 1D687	n 1D697		Π 1D6B7	ζ 1D6C7	φ 1D6D7	Z 1D6E7	Φ 1D6F7	μ 1D707	∂ 1D717	M 1D727	β 1D737
8	I 1D678	Y 1D688	o 1D698	A 1D6A8	P 1D6B8	η 1D6C8	χ 1D6D8	H 1D6E8	X 1D6F8	ν 1D708	κ 1D718	N 1D728	γ 1D738
9	J 1D679	Z 1D689	p 1D699	B 1D6A9	Θ 1D6B9	θ 1D6C9	ψ 1D6D9	⊖ 1D6E9	Ψ 1D6F9	ξ 1D709	φ 1D719	Ξ 1D729	δ 1D739
A	K 1D67A	a 1D68A	q 1D69A	Γ 1D6AA	Σ 1D6BA	ι 1D6CA	ω 1D6DA	I 1D6EA	Ω 1D6FA	o 1D70A	ρ 1D71A	O 1D72A	ε 1D73A
B	L 1D67B	b 1D68B	r 1D69B	Δ 1D6AB	T 1D6BB	κ 1D6CB	∂ 1D6DB	K 1D6EB	∇ 1D6FB	π 1D70B	ω 1D71B	Π 1D72B	ζ 1D73B
C	M 1D67C	c 1D68C	s 1D69C	E 1D6AC	Υ 1D6BC	λ 1D6CC	ε 1D6DC	Λ 1D6EC	α 1D6FC	ρ 1D70C	A 1D71C	P 1D72C	η 1D73C
D	N 1D67D	d 1D68D	t 1D69D	Z 1D6AD	Φ 1D6BD	μ 1D6CD	∂ 1D6DD	M 1D6ED	β 1D6FD	ς 1D70D	B 1D71D	Θ 1D72D	θ 1D73D
E	O 1D67E	e 1D68E	u 1D69E	H 1D6AE	X 1D6BE	ν 1D6CE	κ 1D6DE	N 1D6EE	γ 1D6FE	σ 1D70E	Γ 1D71E	Σ 1D72E	ι 1D73E
F	P 1D67F	f 1D68F	v 1D69F	⊖ 1D6AF	Ψ 1D6BF	ξ 1D6CF	φ 1D6DF	Ξ 1D6EF	δ 1D6FF	τ 1D70F	Δ 1D71F	T 1D72F	κ 1D73F


	1D74	1D75	1D76	1D77	1D78	1D79	1D7A	1D7B	1D7C	1D7D	1D7E	1D7F
0	λ 1D740	ε 1D750	Λ 1D760	α 1D770	ρ 1D780	A 1D790	P 1D7A0	η 1D7B0	χ 1D7C0	2 1D7D0	8 1D7E0	4 1D7F0
1	μ 1D741	ϑ 1D751	M 1D761	β 1D771	ς 1D781	B 1D791	Θ 1D7A1	θ 1D7B1	ψ 1D7C1	3 1D7D1	9 1D7E1	5 1D7F1
2	ν 1D742	κ 1D752	N 1D762	γ 1D772	σ 1D782	Γ 1D792	Σ 1D7A2	ι 1D7B2	ω 1D7C2	4 1D7D2	0 1D7E2	6 1D7F2
3	ξ 1D743	φ 1D753	Ξ 1D763	δ 1D773	τ 1D783	Δ 1D793	Τ 1D7A3	κ 1D7B3	∂ 1D7C3	5 1D7D3	1 1D7E3	7 1D7F3
4	ο 1D744	ρ 1D754	Ο 1D764	ε 1D774	υ 1D784	E 1D794	Υ 1D7A4	λ 1D7B4	ε 1D7C4	6 1D7D4	2 1D7E4	8 1D7F4
5	π 1D745	ω 1D755	Π 1D765	ζ 1D775	φ 1D785	Z 1D795	Φ 1D7A5	μ 1D7B5	ϑ 1D7C5	7 1D7D5	3 1D7E5	9 1D7F5
6	ρ 1D746	A 1D756	P 1D766	η 1D776	χ 1D786	H 1D796	X 1D7A6	ν 1D7B6	κ 1D7C6	8 1D7D6	4 1D7E6	0 1D7F6
7	ς 1D747	B 1D757	Θ 1D767	θ 1D777	ψ 1D787	Θ 1D797	Ψ 1D7A7	ξ 1D7B7	φ 1D7C7	9 1D7D7	5 1D7E7	1 1D7F7
8	σ 1D748	Γ 1D758	Σ 1D768	ι 1D778	ω 1D788	Ι 1D798	Ω 1D7A8	ο 1D7B8	ρ 1D7C8	⊖ 1D7D8	6 1D7E8	2 1D7F8
9	τ 1D749	Δ 1D759	Τ 1D769	κ 1D779	∂ 1D789	K 1D799	∇ 1D7A9	π 1D7B9	ω 1D7C9	1 1D7D9	7 1D7E9	3 1D7F9
A	υ 1D74A	E 1D75A	Υ 1D76A	λ 1D77A	ε 1D78A	Λ 1D79A	α 1D7AA	ρ 1D7BA		2 1D7DA	8 1D7EA	4 1D7FA
B	φ 1D74B	Z 1D75B	Φ 1D76B	μ 1D77B	ϑ 1D78B	M 1D79B	β 1D7AB	ς 1D7BB		3 1D7DB	9 1D7EB	5 1D7FB
C	χ 1D74C	H 1D75C	X 1D76C	ν 1D77C	κ 1D78C	N 1D79C	γ 1D7AC	σ 1D7BC		4 1D7DC	0 1D7EC	6 1D7FC
D	ψ 1D74D	Θ 1D75D	Ψ 1D76D	ξ 1D77D	φ 1D78D	Ξ 1D79D	δ 1D7AD	τ 1D7BD		5 1D7DD	1 1D7ED	7 1D7FD
E	ω 1D74E	Ι 1D75E	Ω 1D76E	ο 1D77E	ρ 1D78E	Ο 1D79E	ε 1D7AE	υ 1D7BE	0 1D7CE	6 1D7DE	2 1D7EE	8 1D7FE
F	∂ 1D74F	K 1D75F	∇ 1D76F	π 1D77F	ω 1D78F	Π 1D79F	ζ 1D7AF	φ 1D7BF	1 1D7CF	7 1D7DF	3 1D7EF	9 1D7FF

To be used for mathematical variables where style variations are important semantically. For general text, use standard Latin and Greek letters with markup.

### Bold symbols

1D400	<b>A</b>	MATHEMATICAL BOLD CAPITAL A ≈ <font> 0041 A latin capital letter a	1D419	<b>Z</b>	MATHEMATICAL BOLD CAPITAL Z ≈ <font> 005A Z latin capital letter z
1D401	<b>B</b>	MATHEMATICAL BOLD CAPITAL B ≈ <font> 0042 B latin capital letter b	1D41A	<b>a</b>	MATHEMATICAL BOLD SMALL A ≈ <font> 0061 a latin small letter a
1D402	<b>C</b>	MATHEMATICAL BOLD CAPITAL C ≈ <font> 0043 C latin capital letter c	1D41B	<b>b</b>	MATHEMATICAL BOLD SMALL B ≈ <font> 0062 b latin small letter b
1D403	<b>D</b>	MATHEMATICAL BOLD CAPITAL D ≈ <font> 0044 D latin capital letter d	1D41C	<b>c</b>	MATHEMATICAL BOLD SMALL C ≈ <font> 0063 c latin small letter c
1D404	<b>E</b>	MATHEMATICAL BOLD CAPITAL E ≈ <font> 0045 E latin capital letter e	1D41D	<b>d</b>	MATHEMATICAL BOLD SMALL D ≈ <font> 0064 d latin small letter d
1D405	<b>F</b>	MATHEMATICAL BOLD CAPITAL F ≈ <font> 0046 F latin capital letter f	1D41E	<b>e</b>	MATHEMATICAL BOLD SMALL E ≈ <font> 0065 e latin small letter e
1D406	<b>G</b>	MATHEMATICAL BOLD CAPITAL G ≈ <font> 0047 G latin capital letter g	1D41F	<b>f</b>	MATHEMATICAL BOLD SMALL F ≈ <font> 0066 f latin small letter f
1D407	<b>H</b>	MATHEMATICAL BOLD CAPITAL H ≈ <font> 0048 H latin capital letter h	1D420	<b>g</b>	MATHEMATICAL BOLD SMALL G ≈ <font> 0067 g latin small letter g
1D408	<b>I</b>	MATHEMATICAL BOLD CAPITAL I ≈ <font> 0049 I latin capital letter i	1D421	<b>h</b>	MATHEMATICAL BOLD SMALL H ≈ <font> 0068 h latin small letter h
1D409	<b>J</b>	MATHEMATICAL BOLD CAPITAL J ≈ <font> 004A J latin capital letter j	1D422	<b>i</b>	MATHEMATICAL BOLD SMALL I ≈ <font> 0069 i latin small letter i
1D40A	<b>K</b>	MATHEMATICAL BOLD CAPITAL K ≈ <font> 004B K latin capital letter k	1D423	<b>j</b>	MATHEMATICAL BOLD SMALL J ≈ <font> 006A j latin small letter j
1D40B	<b>L</b>	MATHEMATICAL BOLD CAPITAL L ≈ <font> 004C L latin capital letter l	1D424	<b>k</b>	MATHEMATICAL BOLD SMALL K ≈ <font> 006B k latin small letter k
1D40C	<b>M</b>	MATHEMATICAL BOLD CAPITAL M ≈ <font> 004D M latin capital letter m	1D425	<b>l</b>	MATHEMATICAL BOLD SMALL L ≈ <font> 006C l latin small letter l
1D40D	<b>N</b>	MATHEMATICAL BOLD CAPITAL N ≈ <font> 004E N latin capital letter n	1D426	<b>m</b>	MATHEMATICAL BOLD SMALL M ≈ <font> 006D m latin small letter m
1D40E	<b>O</b>	MATHEMATICAL BOLD CAPITAL O ≈ <font> 004F O latin capital letter o	1D427	<b>n</b>	MATHEMATICAL BOLD SMALL N ≈ <font> 006E n latin small letter n
1D40F	<b>P</b>	MATHEMATICAL BOLD CAPITAL P ≈ <font> 0050 P latin capital letter p	1D428	<b>o</b>	MATHEMATICAL BOLD SMALL O ≈ <font> 006F o latin small letter o
1D410	<b>Q</b>	MATHEMATICAL BOLD CAPITAL Q ≈ <font> 0051 Q latin capital letter q	1D429	<b>p</b>	MATHEMATICAL BOLD SMALL P ≈ <font> 0070 p latin small letter p
1D411	<b>R</b>	MATHEMATICAL BOLD CAPITAL R ≈ <font> 0052 R latin capital letter r	1D42A	<b>q</b>	MATHEMATICAL BOLD SMALL Q ≈ <font> 0071 q latin small letter q
1D412	<b>S</b>	MATHEMATICAL BOLD CAPITAL S ≈ <font> 0053 S latin capital letter s	1D42B	<b>r</b>	MATHEMATICAL BOLD SMALL R ≈ <font> 0072 r latin small letter r
1D413	<b>T</b>	MATHEMATICAL BOLD CAPITAL T ≈ <font> 0054 T latin capital letter t	1D42C	<b>s</b>	MATHEMATICAL BOLD SMALL S ≈ <font> 0073 s latin small letter s
1D414	<b>U</b>	MATHEMATICAL BOLD CAPITAL U ≈ <font> 0055 U latin capital letter u	1D42D	<b>t</b>	MATHEMATICAL BOLD SMALL T ≈ <font> 0074 t latin small letter t
1D415	<b>V</b>	MATHEMATICAL BOLD CAPITAL V ≈ <font> 0056 V latin capital letter v	1D42E	<b>u</b>	MATHEMATICAL BOLD SMALL U ≈ <font> 0075 u latin small letter u
1D416	<b>W</b>	MATHEMATICAL BOLD CAPITAL W ≈ <font> 0057 W latin capital letter w	1D42F	<b>v</b>	MATHEMATICAL BOLD SMALL V ≈ <font> 0076 v latin small letter v
1D417	<b>X</b>	MATHEMATICAL BOLD CAPITAL X ≈ <font> 0058 X latin capital letter x	1D430	<b>w</b>	MATHEMATICAL BOLD SMALL W ≈ <font> 0077 w latin small letter w
1D418	<b>Y</b>	MATHEMATICAL BOLD CAPITAL Y ≈ <font> 0059 Y latin capital letter y	1D431	<b>x</b>	MATHEMATICAL BOLD SMALL X ≈ <font> 0078 x latin small letter x
			1D432	<b>y</b>	MATHEMATICAL BOLD SMALL Y ≈ <font> 0079 y latin small letter y
			1D433	<b>z</b>	MATHEMATICAL BOLD SMALL Z ≈ <font> 007A z latin small letter z

**Italic symbols**

1D434	<b>A</b>	MATHEMATICAL ITALIC CAPITAL A ≈ <font> 0041 A latin capital letter a	1D44F	<b>b</b>	MATHEMATICAL ITALIC SMALL B ≈ <font> 0062 b latin small letter b
1D435	<b>B</b>	MATHEMATICAL ITALIC CAPITAL B ≈ <font> 0042 B latin capital letter b	1D450	<b>c</b>	MATHEMATICAL ITALIC SMALL C ≈ <font> 0063 c latin small letter c
1D436	<b>C</b>	MATHEMATICAL ITALIC CAPITAL C ≈ <font> 0043 C latin capital letter c	1D451	<b>d</b>	MATHEMATICAL ITALIC SMALL D ≈ <font> 0064 d latin small letter d
1D437	<b>D</b>	MATHEMATICAL ITALIC CAPITAL D ≈ <font> 0044 D latin capital letter d	1D452	<b>e</b>	MATHEMATICAL ITALIC SMALL E ≈ <font> 0065 e latin small letter e
1D438	<b>E</b>	MATHEMATICAL ITALIC CAPITAL E ≈ <font> 0045 E latin capital letter e	1D453	<b>f</b>	MATHEMATICAL ITALIC SMALL F ≈ <font> 0066 f latin small letter f
1D439	<b>F</b>	MATHEMATICAL ITALIC CAPITAL F ≈ <font> 0046 F latin capital letter f	1D454	<b>g</b>	MATHEMATICAL ITALIC SMALL G ≈ <font> 0067 g latin small letter g
1D43A	<b>G</b>	MATHEMATICAL ITALIC CAPITAL G ≈ <font> 0047 G latin capital letter g	1D455	 <reserved> → 210E <i>h</i> planck constant	
1D43B	<b>H</b>	MATHEMATICAL ITALIC CAPITAL H ≈ <font> 0048 H latin capital letter h	1D456	<b>i</b>	MATHEMATICAL ITALIC SMALL I ≈ <font> 0069 i latin small letter i
1D43C	<b>I</b>	MATHEMATICAL ITALIC CAPITAL I ≈ <font> 0049 I latin capital letter i	1D457	<b>j</b>	MATHEMATICAL ITALIC SMALL J ≈ <font> 006A j latin small letter j
1D43D	<b>J</b>	MATHEMATICAL ITALIC CAPITAL J ≈ <font> 004A J latin capital letter j	1D458	<b>k</b>	MATHEMATICAL ITALIC SMALL K ≈ <font> 006B k latin small letter k
1D43E	<b>K</b>	MATHEMATICAL ITALIC CAPITAL K ≈ <font> 004B K latin capital letter k	1D459	<b>l</b>	MATHEMATICAL ITALIC SMALL L ≈ <font> 006C l latin small letter l
1D43F	<b>L</b>	MATHEMATICAL ITALIC CAPITAL L ≈ <font> 004C L latin capital letter l	1D45A	<b>m</b>	MATHEMATICAL ITALIC SMALL M ≈ <font> 006D m latin small letter m
1D440	<b>M</b>	MATHEMATICAL ITALIC CAPITAL M ≈ <font> 004D M latin capital letter m	1D45B	<b>n</b>	MATHEMATICAL ITALIC SMALL N ≈ <font> 006E n latin small letter n
1D441	<b>N</b>	MATHEMATICAL ITALIC CAPITAL N ≈ <font> 004E N latin capital letter n	1D45C	<b>o</b>	MATHEMATICAL ITALIC SMALL O ≈ <font> 006F o latin small letter o
1D442	<b>O</b>	MATHEMATICAL ITALIC CAPITAL O ≈ <font> 004F O latin capital letter o	1D45D	<b>p</b>	MATHEMATICAL ITALIC SMALL P ≈ <font> 0070 p latin small letter p
1D443	<b>P</b>	MATHEMATICAL ITALIC CAPITAL P ≈ <font> 0050 P latin capital letter p	1D45E	<b>q</b>	MATHEMATICAL ITALIC SMALL Q ≈ <font> 0071 q latin small letter q
1D444	<b>Q</b>	MATHEMATICAL ITALIC CAPITAL Q ≈ <font> 0051 Q latin capital letter q	1D45F	<b>r</b>	MATHEMATICAL ITALIC SMALL R ≈ <font> 0072 r latin small letter r
1D445	<b>R</b>	MATHEMATICAL ITALIC CAPITAL R ≈ <font> 0052 R latin capital letter r	1D460	<b>s</b>	MATHEMATICAL ITALIC SMALL S ≈ <font> 0073 s latin small letter s
1D446	<b>S</b>	MATHEMATICAL ITALIC CAPITAL S ≈ <font> 0053 S latin capital letter s	1D461	<b>t</b>	MATHEMATICAL ITALIC SMALL T ≈ <font> 0074 t latin small letter t
1D447	<b>T</b>	MATHEMATICAL ITALIC CAPITAL T ≈ <font> 0054 T latin capital letter t	1D462	<b>u</b>	MATHEMATICAL ITALIC SMALL U ≈ <font> 0075 u latin small letter u
1D448	<b>U</b>	MATHEMATICAL ITALIC CAPITAL U ≈ <font> 0055 U latin capital letter u	1D463	<b>v</b>	MATHEMATICAL ITALIC SMALL V ≈ <font> 0076 v latin small letter v
1D449	<b>V</b>	MATHEMATICAL ITALIC CAPITAL V ≈ <font> 0056 V latin capital letter v	1D464	<b>w</b>	MATHEMATICAL ITALIC SMALL W ≈ <font> 0077 w latin small letter w
1D44A	<b>W</b>	MATHEMATICAL ITALIC CAPITAL W ≈ <font> 0057 W latin capital letter w	1D465	<b>x</b>	MATHEMATICAL ITALIC SMALL X ≈ <font> 0078 x latin small letter x
1D44B	<b>X</b>	MATHEMATICAL ITALIC CAPITAL X ≈ <font> 0058 X latin capital letter x	1D466	<b>y</b>	MATHEMATICAL ITALIC SMALL Y ≈ <font> 0079 y latin small letter y
1D44C	<b>Y</b>	MATHEMATICAL ITALIC CAPITAL Y ≈ <font> 0059 Y latin capital letter y	1D467	<b>z</b>	MATHEMATICAL ITALIC SMALL Z ≈ <font> 007A z latin small letter z
1D44D	<b>Z</b>	MATHEMATICAL ITALIC CAPITAL Z ≈ <font> 005A Z latin capital letter z			
1D44E	<b>a</b>	MATHEMATICAL ITALIC SMALL A ≈ <font> 0061 a latin small letter a			

**Bold Italic symbols**

1D468	<b>A</b>	MATHEMATICAL BOLD ITALIC CAPITAL A ≈ <font> 0041 A latin capital letter a
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1D469	<b>B</b> MATHEMATICAL BOLD ITALIC CAPITAL B ≈ <font> 0042 B latin capital letter b	1D47C	<b>U</b> MATHEMATICAL BOLD ITALIC CAPITAL U ≈ <font> 0055 U latin capital letter u
1D46A	<b>C</b> MATHEMATICAL BOLD ITALIC CAPITAL C ≈ <font> 0043 C latin capital letter c	1D47D	<b>V</b> MATHEMATICAL BOLD ITALIC CAPITAL V ≈ <font> 0056 V latin capital letter v
1D46B	<b>D</b> MATHEMATICAL BOLD ITALIC CAPITAL D ≈ <font> 0044 D latin capital letter d	1D47E	<b>W</b> MATHEMATICAL BOLD ITALIC CAPITAL W ≈ <font> 0057 W latin capital letter w
1D46C	<b>E</b> MATHEMATICAL BOLD ITALIC CAPITAL E ≈ <font> 0045 E latin capital letter e	1D47F	<b>X</b> MATHEMATICAL BOLD ITALIC CAPITAL X ≈ <font> 0058 X latin capital letter x
1D46D	<b>F</b> MATHEMATICAL BOLD ITALIC CAPITAL F ≈ <font> 0046 F latin capital letter f	1D480	<b>Y</b> MATHEMATICAL BOLD ITALIC CAPITAL Y ≈ <font> 0059 Y latin capital letter y
1D46E	<b>G</b> MATHEMATICAL BOLD ITALIC CAPITAL G ≈ <font> 0047 G latin capital letter g	1D481	<b>Z</b> MATHEMATICAL BOLD ITALIC CAPITAL Z ≈ <font> 005A Z latin capital letter z
1D46F	<b>H</b> MATHEMATICAL BOLD ITALIC CAPITAL H ≈ <font> 0048 H latin capital letter h	1D482	<b>a</b> MATHEMATICAL BOLD ITALIC SMALL A ≈ <font> 0061 a latin small letter a
1D470	<b>I</b> MATHEMATICAL BOLD ITALIC CAPITAL I ≈ <font> 0049 I latin capital letter i	1D483	<b>b</b> MATHEMATICAL BOLD ITALIC SMALL B ≈ <font> 0062 b latin small letter b
1D471	<b>J</b> MATHEMATICAL BOLD ITALIC CAPITAL J ≈ <font> 004A J latin capital letter j	1D484	<b>c</b> MATHEMATICAL BOLD ITALIC SMALL C ≈ <font> 0063 c latin small letter c
1D472	<b>K</b> MATHEMATICAL BOLD ITALIC CAPITAL K ≈ <font> 004B K latin capital letter k	1D485	<b>d</b> MATHEMATICAL BOLD ITALIC SMALL D ≈ <font> 0064 d latin small letter d
1D473	<b>L</b> MATHEMATICAL BOLD ITALIC CAPITAL L ≈ <font> 004C L latin capital letter l	1D486	<b>e</b> MATHEMATICAL BOLD ITALIC SMALL E ≈ <font> 0065 e latin small letter e
1D474	<b>M</b> MATHEMATICAL BOLD ITALIC CAPITAL M ≈ <font> 004D M latin capital letter m	1D487	<b>f</b> MATHEMATICAL BOLD ITALIC SMALL F ≈ <font> 0066 f latin small letter f
1D475	<b>N</b> MATHEMATICAL BOLD ITALIC CAPITAL N ≈ <font> 004E N latin capital letter n	1D488	<b>g</b> MATHEMATICAL BOLD ITALIC SMALL G ≈ <font> 0067 g latin small letter g
1D476	<b>O</b> MATHEMATICAL BOLD ITALIC CAPITAL O ≈ <font> 004F O latin capital letter o	1D489	<b>h</b> MATHEMATICAL BOLD ITALIC SMALL H ≈ <font> 0068 h latin small letter h
1D477	<b>P</b> MATHEMATICAL BOLD ITALIC CAPITAL P ≈ <font> 0050 P latin capital letter p	1D48A	<b>i</b> MATHEMATICAL BOLD ITALIC SMALL I ≈ <font> 0069 i latin small letter i
1D478	<b>Q</b> MATHEMATICAL BOLD ITALIC CAPITAL Q ≈ <font> 0051 Q latin capital letter q	1D48B	<b>j</b> MATHEMATICAL BOLD ITALIC SMALL J ≈ <font> 006A j latin small letter j
1D479	<b>R</b> MATHEMATICAL BOLD ITALIC CAPITAL R ≈ <font> 0052 R latin capital letter r	1D48C	<b>k</b> MATHEMATICAL BOLD ITALIC SMALL K ≈ <font> 006B k latin small letter k
1D47A	<b>S</b> MATHEMATICAL BOLD ITALIC CAPITAL S ≈ <font> 0053 S latin capital letter s	1D48D	<b>l</b> MATHEMATICAL BOLD ITALIC SMALL L ≈ <font> 006C l latin small letter l
1D47B	<b>T</b> MATHEMATICAL BOLD ITALIC CAPITAL T ≈ <font> 0054 T latin capital letter t	1D48E	<b>m</b> MATHEMATICAL BOLD ITALIC SMALL M ≈ <font> 006D m latin small letter m

1D48F ***n*** MATHEMATICAL BOLD ITALIC SMALL N  
 ≈ <font> 006E n latin small letter n

1D490 ***o*** MATHEMATICAL BOLD ITALIC SMALL O  
 ≈ <font> 006F o latin small letter o

1D491 ***p*** MATHEMATICAL BOLD ITALIC SMALL P  
 ≈ <font> 0070 p latin small letter p

1D492 ***q*** MATHEMATICAL BOLD ITALIC SMALL Q  
 ≈ <font> 0071 q latin small letter q

1D493 ***r*** MATHEMATICAL BOLD ITALIC SMALL R  
 ≈ <font> 0072 r latin small letter r

1D494 ***s*** MATHEMATICAL BOLD ITALIC SMALL S  
 ≈ <font> 0073 s latin small letter s

1D495 ***t*** MATHEMATICAL BOLD ITALIC SMALL T  
 ≈ <font> 0074 t latin small letter t

1D496 ***u*** MATHEMATICAL BOLD ITALIC SMALL U  
 ≈ <font> 0075 u latin small letter u

1D497 ***v*** MATHEMATICAL BOLD ITALIC SMALL V  
 ≈ <font> 0076 v latin small letter v

1D498 ***w*** MATHEMATICAL BOLD ITALIC SMALL W  
 ≈ <font> 0077 w latin small letter w

1D499 ***x*** MATHEMATICAL BOLD ITALIC SMALL X  
 ≈ <font> 0078 x latin small letter x

1D49A ***y*** MATHEMATICAL BOLD ITALIC SMALL Y  
 ≈ <font> 0079 y latin small letter y

1D49B ***z*** MATHEMATICAL BOLD ITALIC SMALL Z  
 ≈ <font> 007A z latin small letter z

### Script symbols

1D49C ***A*** MATHEMATICAL SCRIPT CAPITAL A  
 ≈ <font> 0041 A latin capital letter a

1D49D ***B*** <reserved>  
 → 212C ***B*** script capital b

1D49E ***C*** MATHEMATICAL SCRIPT CAPITAL C  
 ≈ <font> 0043 C latin capital letter c

1D49F ***D*** MATHEMATICAL SCRIPT CAPITAL D  
 ≈ <font> 0044 D latin capital letter d

1D4A0 ***E*** <reserved>  
 → 2130 ***E*** script capital e

1D4A1 ***F*** <reserved>  
 → 2131 ***F*** script capital f

1D4A2 ***G*** MATHEMATICAL SCRIPT CAPITAL G  
 ≈ <font> 0047 G latin capital letter g

1D4A3 ***H*** <reserved>  
 → 210B ***H*** script capital h

1D4A4 ***I*** <reserved>  
 → 2110 ***I*** script capital i

1D4A5 ***J*** MATHEMATICAL SCRIPT CAPITAL J  
 ≈ <font> 004A J latin capital letter j

1D4A6 ***K*** MATHEMATICAL SCRIPT CAPITAL K  
 ≈ <font> 004B K latin capital letter k

1D4A7 ***L*** <reserved>  
 → 2112 ***L*** script capital l

1D4A8 ***M*** <reserved>  
 → 2133 ***M*** script capital m

1D4A9 ***N*** MATHEMATICAL SCRIPT CAPITAL N  
 ≈ <font> 004E N latin capital letter n

1D4AA ***O*** MATHEMATICAL SCRIPT CAPITAL O  
 ≈ <font> 004F O latin capital letter o

1D4AB ***P*** MATHEMATICAL SCRIPT CAPITAL P  
 ≈ <font> 0050 P latin capital letter p

1D4AC ***Q*** MATHEMATICAL SCRIPT CAPITAL Q  
 ≈ <font> 0051 Q latin capital letter q

1D4AD ***R*** <reserved>  
 → 211B ***R*** script capital r

1D4AE ***S*** MATHEMATICAL SCRIPT CAPITAL S  
 ≈ <font> 0053 S latin capital letter s

1D4AF ***T*** MATHEMATICAL SCRIPT CAPITAL T  
 ≈ <font> 0054 T latin capital letter t

1D4B0 ***U*** MATHEMATICAL SCRIPT CAPITAL U  
 ≈ <font> 0055 U latin capital letter u

1D4B1 ***V*** MATHEMATICAL SCRIPT CAPITAL V  
 ≈ <font> 0056 V latin capital letter v

1D4B2 ***W*** MATHEMATICAL SCRIPT CAPITAL W  
 ≈ <font> 0057 W latin capital letter w

1D4B3 ***X*** MATHEMATICAL SCRIPT CAPITAL X  
 ≈ <font> 0058 X latin capital letter x

1D4B4 ***Y*** MATHEMATICAL SCRIPT CAPITAL Y  
 ≈ <font> 0059 Y latin capital letter y

1D4B5 ***Z*** MATHEMATICAL SCRIPT CAPITAL Z  
 ≈ <font> 005A Z latin capital letter z

1D4B6 ***a*** MATHEMATICAL SCRIPT SMALL A  
 ≈ <font> 0061 a latin small letter a

1D4B7 ***b*** MATHEMATICAL SCRIPT SMALL B  
 ≈ <font> 0062 b latin small letter b

1D4B8 ***c*** MATHEMATICAL SCRIPT SMALL C  
 ≈ <font> 0063 c latin small letter c

1D4B9 ***d*** MATHEMATICAL SCRIPT SMALL D  
 ≈ <font> 0064 d latin small letter d

1D4BA ***e*** <reserved>  
 → 212F ***e*** script small e

1D4BB ***f*** MATHEMATICAL SCRIPT SMALL F  
 ≈ <font> 0066 f latin small letter f


1D4BC ***g*** <reserved>  
 → 210A ***g*** script small g

1D4BD ***h*** MATHEMATICAL SCRIPT SMALL H  
 ≈ <font> 0068 h latin small letter h

1D4BE ***i*** MATHEMATICAL SCRIPT SMALL I  
 ≈ <font> 0069 i latin small letter i


1D4BF ***j*** MATHEMATICAL SCRIPT SMALL J  
 ≈ <font> 006A j latin small letter j

1D4C0 *k* MATHEMATICAL SCRIPT SMALL K  
 ≈ <font> 006B k latin small letter k

1D4C1  <reserved>  
 → 2113 / script small l

1D4C2 *m* MATHEMATICAL SCRIPT SMALL M  
 ≈ <font> 006D m latin small letter m

1D4C3 *n* MATHEMATICAL SCRIPT SMALL N  
 ≈ <font> 006E n latin small letter n

1D4C4  <reserved>  
 → 2134 *e* script small o

1D4C5 *p* MATHEMATICAL SCRIPT SMALL P  
 ≈ <font> 0070 p latin small letter p

1D4C6 *q* MATHEMATICAL SCRIPT SMALL Q  
 ≈ <font> 0071 q latin small letter q

1D4C7 *r* MATHEMATICAL SCRIPT SMALL R  
 ≈ <font> 0072 r latin small letter r

1D4C8 *s* MATHEMATICAL SCRIPT SMALL S  
 ≈ <font> 0073 s latin small letter s

1D4C9 *t* MATHEMATICAL SCRIPT SMALL T  
 ≈ <font> 0074 t latin small letter t

1D4CA *u* MATHEMATICAL SCRIPT SMALL U  
 ≈ <font> 0075 u latin small letter u

1D4CB *v* MATHEMATICAL SCRIPT SMALL V  
 ≈ <font> 0076 v latin small letter v

1D4CC *w* MATHEMATICAL SCRIPT SMALL W  
 ≈ <font> 0077 w latin small letter w

1D4CD *x* MATHEMATICAL SCRIPT SMALL X  
 ≈ <font> 0078 x latin small letter x

1D4CE *y* MATHEMATICAL SCRIPT SMALL Y  
 ≈ <font> 0079 y latin small letter y

1D4CF *z* MATHEMATICAL SCRIPT SMALL Z  
 ≈ <font> 007A z latin small letter z

### Bold Script symbols

1D4D0 *A* MATHEMATICAL BOLD SCRIPT CAPITAL A  
 ≈ <font> 0041 A latin capital letter a

1D4D1 *B* MATHEMATICAL BOLD SCRIPT CAPITAL B  
 ≈ <font> 0042 B latin capital letter b

1D4D2 *C* MATHEMATICAL BOLD SCRIPT CAPITAL C  
 ≈ <font> 0043 C latin capital letter c

1D4D3 *D* MATHEMATICAL BOLD SCRIPT CAPITAL D  
 ≈ <font> 0044 D latin capital letter d

1D4D4 *E* MATHEMATICAL BOLD SCRIPT CAPITAL E  
 ≈ <font> 0045 E latin capital letter e

1D4D5 *F* MATHEMATICAL BOLD SCRIPT CAPITAL F  
 ≈ <font> 0046 F latin capital letter f

1D4D6 *G* MATHEMATICAL BOLD SCRIPT CAPITAL G  
 ≈ <font> 0047 G latin capital letter g

1D4D7 *H* MATHEMATICAL BOLD SCRIPT CAPITAL H  
 ≈ <font> 0048 H latin capital letter h

1D4D8 *I* MATHEMATICAL BOLD SCRIPT CAPITAL I  
 ≈ <font> 0049 I latin capital letter i

1D4D9 *J* MATHEMATICAL BOLD SCRIPT CAPITAL J  
 ≈ <font> 004A J latin capital letter j

1D4DA *K* MATHEMATICAL BOLD SCRIPT CAPITAL K  
 ≈ <font> 004B K latin capital letter k

1D4DB *L* MATHEMATICAL BOLD SCRIPT CAPITAL L  
 ≈ <font> 004C L latin capital letter l

1D4DC *M* MATHEMATICAL BOLD SCRIPT CAPITAL M  
 ≈ <font> 004D M latin capital letter m

1D4DD *N* MATHEMATICAL BOLD SCRIPT CAPITAL N  
 ≈ <font> 004E N latin capital letter n

1D4DE *O* MATHEMATICAL BOLD SCRIPT CAPITAL O  
 ≈ <font> 004F O latin capital letter o

1D4DF *P* MATHEMATICAL BOLD SCRIPT CAPITAL P  
 ≈ <font> 0050 P latin capital letter p

1D4E0 *Q* MATHEMATICAL BOLD SCRIPT CAPITAL Q  
 ≈ <font> 0051 Q latin capital letter q

1D4E1 *R* MATHEMATICAL BOLD SCRIPT CAPITAL R  
 ≈ <font> 0052 R latin capital letter r

1D4E2 *S* MATHEMATICAL BOLD SCRIPT CAPITAL S  
 ≈ <font> 0053 S latin capital letter s

1D4E3 *T* MATHEMATICAL BOLD SCRIPT CAPITAL T  
 ≈ <font> 0054 T latin capital letter t

1D4E4 *U* MATHEMATICAL BOLD SCRIPT CAPITAL U  
 ≈ <font> 0055 U latin capital letter u

1D4E5 *V* MATHEMATICAL BOLD SCRIPT CAPITAL V  
 ≈ <font> 0056 V latin capital letter v

1D4E6 *W* MATHEMATICAL BOLD SCRIPT CAPITAL W  
 ≈ <font> 0057 W latin capital letter w

1D4E7 *X* MATHEMATICAL BOLD SCRIPT CAPITAL X  
 ≈ <font> 0058 X latin capital letter x

1D4E8 *Y* MATHEMATICAL BOLD SCRIPT CAPITAL Y  
 ≈ <font> 0059 Y latin capital letter y

1D4E9 *Z* MATHEMATICAL BOLD SCRIPT CAPITAL Z  
 ≈ <font> 005A Z latin capital letter z

1D4EA *a* MATHEMATICAL BOLD SCRIPT SMALL A  
 ≈ <font> 0061 a latin small letter a

1D4EB **ℓ** MATHEMATICAL BOLD SCRIPT SMALL B  
 ≈ <font> 0062 b latin small letter b

1D4EC **ℓ** MATHEMATICAL BOLD SCRIPT SMALL C  
 ≈ <font> 0063 c latin small letter c

1D4ED **ℓ** MATHEMATICAL BOLD SCRIPT SMALL D  
 ≈ <font> 0064 d latin small letter d

1D4EE **ℓ** MATHEMATICAL BOLD SCRIPT SMALL E  
 ≈ <font> 0065 e latin small letter e

1D4EF **ℓ** MATHEMATICAL BOLD SCRIPT SMALL F  
 ≈ <font> 0066 f latin small letter f

1D4F0 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL G  
 ≈ <font> 0067 g latin small letter g

1D4F1 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL H  
 ≈ <font> 0068 h latin small letter h

1D4F2 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL I  
 ≈ <font> 0069 i latin small letter i

1D4F3 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL J  
 ≈ <font> 006A j latin small letter j

1D4F4 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL K  
 ≈ <font> 006B k latin small letter k

1D4F5 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL L  
 ≈ <font> 006C l latin small letter l

1D4F6 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL M  
 ≈ <font> 006D m latin small letter m

1D4F7 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL N  
 ≈ <font> 006E n latin small letter n

1D4F8 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL O  
 ≈ <font> 006F o latin small letter o

1D4F9 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL P  
 ≈ <font> 0070 p latin small letter p

1D4FA **ℓ** MATHEMATICAL BOLD SCRIPT SMALL Q  
 ≈ <font> 0071 q latin small letter q

1D4FB **ℓ** MATHEMATICAL BOLD SCRIPT SMALL R  
 ≈ <font> 0072 r latin small letter r

1D4FC **ℓ** MATHEMATICAL BOLD SCRIPT SMALL S  
 ≈ <font> 0073 s latin small letter s

1D4FD **ℓ** MATHEMATICAL BOLD SCRIPT SMALL T  
 ≈ <font> 0074 t latin small letter t

1D4FE **ℓ** MATHEMATICAL BOLD SCRIPT SMALL U  
 ≈ <font> 0075 u latin small letter u

1D4FF **ℓ** MATHEMATICAL BOLD SCRIPT SMALL V  
 ≈ <font> 0076 v latin small letter v

1D500 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL W  
 ≈ <font> 0077 w latin small letter w

1D501 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL X  
 ≈ <font> 0078 x latin small letter x

1D502 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL Y  
 ≈ <font> 0079 y latin small letter y

1D503 **ℓ** MATHEMATICAL BOLD SCRIPT SMALL Z  
 ≈ <font> 007A z latin small letter z

### Fraktur symbols

*This style is sometimes known as black-letter. Several black-letter symbols have been previously coded in the Letterlike Symbols block and are retained there to ensure unambiguous representation*

1D504 **℔** MATHEMATICAL FRAKTUR CAPITAL A  
 ≈ <font> 0041 A latin capital letter a

1D505 **℔** MATHEMATICAL FRAKTUR CAPITAL B  
 ≈ <font> 0042 B latin capital letter b

1D506 **℔** <reserved>  
 → 212D **℔** black-letter capital c

1D507 **℔** MATHEMATICAL FRAKTUR CAPITAL D  
 ≈ <font> 0044 D latin capital letter d

1D508 **℔** MATHEMATICAL FRAKTUR CAPITAL E  
 ≈ <font> 0045 E latin capital letter e

1D509 **℔** MATHEMATICAL FRAKTUR CAPITAL F  
 ≈ <font> 0046 F latin capital letter f

1D50A **℔** MATHEMATICAL FRAKTUR CAPITAL G  
 ≈ <font> 0047 G latin capital letter g

1D50B **℔** <reserved>  
 → 210C **℔** black-letter capital h

1D50C **℔** <reserved>  
 → 2111 **℔** black-letter capital i

1D50D **℔** MATHEMATICAL FRAKTUR CAPITAL J  
 ≈ <font> 004A J latin capital letter j

1D50E **℔** MATHEMATICAL FRAKTUR CAPITAL K  
 ≈ <font> 004B K latin capital letter k

1D50F **℔** MATHEMATICAL FRAKTUR CAPITAL L  
 ≈ <font> 004C L latin capital letter l

1D510 **M** MATHEMATICAL FRAKTUR CAPITAL M  
 ≈ <font> 004D M latin capital letter m

1D511 **N** MATHEMATICAL FRAKTUR CAPITAL N  
 ≈ <font> 004E N latin capital letter n

1D512 **O** MATHEMATICAL FRAKTUR CAPITAL O  
 ≈ <font> 004F O latin capital letter o

1D513 **P** MATHEMATICAL FRAKTUR CAPITAL P  
 ≈ <font> 0050 P latin capital letter p

1D514 **Q** MATHEMATICAL FRAKTUR CAPITAL Q  
 ≈ <font> 0051 Q latin capital letter q

1D515 **R** <reserved>  
 → 211C **R** black-letter capital r

1D516 **S** MATHEMATICAL FRAKTUR CAPITAL S  
 ≈ <font> 0053 S latin capital letter s

1D517 **T** MATHEMATICAL FRAKTUR CAPITAL T  
 ≈ <font> 0054 T latin capital letter t

1D518 **U** MATHEMATICAL FRAKTUR CAPITAL U  
 ≈ <font> 0055 U latin capital letter u

1D519 **V** MATHEMATICAL FRAKTUR CAPITAL V  
 ≈ <font> 0056 V latin capital letter v

1D51A **W** MATHEMATICAL FRAKTUR CAPITAL W  
 ≈ <font> 0057 W latin capital letter w

1D51B **X** MATHEMATICAL FRAKTUR CAPITAL X  
 ≈ <font> 0058 X latin capital letter x

1D51C **Y** MATHEMATICAL FRAKTUR CAPITAL Y  
 ≈ <font> 0059 Y latin capital letter y

1D51D **Z** <reserved>  
 → 2128 **Z** black-letter capital z

1D51E **a** MATHEMATICAL FRAKTUR SMALL A  
 ≈ <font> 0061 a latin small letter a

1D51F **b** MATHEMATICAL FRAKTUR SMALL B  
 ≈ <font> 0062 b latin small letter b

1D520 **c** MATHEMATICAL FRAKTUR SMALL C  
 ≈ <font> 0063 c latin small letter c

1D521 **d** MATHEMATICAL FRAKTUR SMALL D  
 ≈ <font> 0064 d latin small letter d

1D522 **e** MATHEMATICAL FRAKTUR SMALL E  
 ≈ <font> 0065 e latin small letter e

1D523 **f** MATHEMATICAL FRAKTUR SMALL F  
 ≈ <font> 0066 f latin small letter f

1D524 **g** MATHEMATICAL FRAKTUR SMALL G  
 ≈ <font> 0067 g latin small letter g

1D525 **h** MATHEMATICAL FRAKTUR SMALL H  
 ≈ <font> 0068 h latin small letter h

1D526 **i** MATHEMATICAL FRAKTUR SMALL I  
 ≈ <font> 0069 i latin small letter i

1D527 **j** MATHEMATICAL FRAKTUR SMALL J  
 ≈ <font> 006A j latin small letter j

1D528 **k** MATHEMATICAL FRAKTUR SMALL K  
 ≈ <font> 006B k latin small letter k

1D529 **l** MATHEMATICAL FRAKTUR SMALL L  
 ≈ <font> 006C l latin small letter l

1D52A **m** MATHEMATICAL FRAKTUR SMALL M  
 ≈ <font> 006D m latin small letter m

1D52B **n** MATHEMATICAL FRAKTUR SMALL N  
 ≈ <font> 006E n latin small letter n

1D52C **o** MATHEMATICAL FRAKTUR SMALL O  
 ≈ <font> 006F o latin small letter o

1D52D **p** MATHEMATICAL FRAKTUR SMALL P  
 ≈ <font> 0070 p latin small letter p

1D52E **q** MATHEMATICAL FRAKTUR SMALL Q  
 ≈ <font> 0071 q latin small letter q

1D52F **r** MATHEMATICAL FRAKTUR SMALL R  
 ≈ <font> 0072 r latin small letter r

1D530 **s** MATHEMATICAL FRAKTUR SMALL S  
 ≈ <font> 0073 s latin small letter s

1D531 **t** MATHEMATICAL FRAKTUR SMALL T  
 ≈ <font> 0074 t latin small letter t

1D532 **u** MATHEMATICAL FRAKTUR SMALL U  
 ≈ <font> 0075 u latin small letter u

1D533 **v** MATHEMATICAL FRAKTUR SMALL V  
 ≈ <font> 0076 v latin small letter v

1D534 **w** MATHEMATICAL FRAKTUR SMALL W  
 ≈ <font> 0077 w latin small letter w

1D535 **x** MATHEMATICAL FRAKTUR SMALL X  
 ≈ <font> 0078 x latin small letter x

1D536 **y** MATHEMATICAL FRAKTUR SMALL Y  
 ≈ <font> 0079 y latin small letter y

1D537 **z** MATHEMATICAL FRAKTUR SMALL Z  
 ≈ <font> 007A z latin small letter z

### Double-struck symbols

*This style is sometimes known as open-face or blackboard-bold. Several double-struck symbols have been previously coded in the Letterlike Symbols block and are retained there to ensure unambiguous representation*

1D538 **A** MATHEMATICAL DOUBLE-STRUCK CAPITAL A  
 ≈ <font> 0041 A latin capital letter a




1D539 **B** MATHEMATICAL DOUBLE-STRUCK CAPITAL B  
 ≈ <font> 0042 B latin capital letter b

1D53A **C** <reserved>  
 → 2102 **C** double-struck capital c

1D53B **D** MATHEMATICAL DOUBLE-STRUCK CAPITAL D  
 ≈ <font> 0044 D latin capital letter d

1D53C **E** MATHEMATICAL DOUBLE-STRUCK CAPITAL E  
 ≈ <font> 0045 E latin capital letter e

1D53D **F** MATHEMATICAL DOUBLE-STRUCK CAPITAL F  
 ≈ <font> 0046 F latin capital letter f

1D53E	<b>G</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL G ≈ <font> 0047 G latin capital letter g	1D553	<b>b</b> MATHEMATICAL DOUBLE-STRUCK SMALL B ≈ <font> 0062 b latin small letter b
1D53F	 <reserved> → 210D <b>H</b> double-struck capital h	1D554	<b>c</b> MATHEMATICAL DOUBLE-STRUCK SMALL C ≈ <font> 0063 c latin small letter c
1D540	<b>I</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL I ≈ <font> 0049 I latin capital letter i	1D555	<b>d</b> MATHEMATICAL DOUBLE-STRUCK SMALL D ≈ <font> 0064 d latin small letter d
1D541	<b>J</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL J ≈ <font> 004A J latin capital letter j	1D556	<b>e</b> MATHEMATICAL DOUBLE-STRUCK SMALL E ≈ <font> 0065 e latin small letter e
1D542	<b>K</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL K ≈ <font> 004B K latin capital letter k	1D557	<b>f</b> MATHEMATICAL DOUBLE-STRUCK SMALL F ≈ <font> 0066 f latin small letter f
1D543	<b>L</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL L ≈ <font> 004C L latin capital letter l	1D558	<b>g</b> MATHEMATICAL DOUBLE-STRUCK SMALL G ≈ <font> 0067 g latin small letter g
1D544	<b>M</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL M ≈ <font> 004D M latin capital letter m	1D559	<b>h</b> MATHEMATICAL DOUBLE-STRUCK SMALL H ≈ <font> 0068 h latin small letter h
1D545	 <reserved> → 2115 <b>N</b> double-struck capital n	1D55A	<b>i</b> MATHEMATICAL DOUBLE-STRUCK SMALL I ≈ <font> 0069 i latin small letter i
1D546	<b>O</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL O ≈ <font> 004F O latin capital letter o	1D55B	<b>j</b> MATHEMATICAL DOUBLE-STRUCK SMALL J ≈ <font> 006A j latin small letter j
1D547	 <reserved> → 2119 <b>P</b> double-struck capital p	1D55C	<b>k</b> MATHEMATICAL DOUBLE-STRUCK SMALL K ≈ <font> 006B k latin small letter k
1D548	 <reserved> → 211A <b>Q</b> double-struck capital q	1D55D	<b>l</b> MATHEMATICAL DOUBLE-STRUCK SMALL L ≈ <font> 006C l latin small letter l
1D549	 <reserved> → 211D <b>R</b> double-struck capital r	1D55E	<b>m</b> MATHEMATICAL DOUBLE-STRUCK SMALL M ≈ <font> 006D m latin small letter m
1D54A	<b>S</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL S ≈ <font> 0053 S latin capital letter s	1D55F	<b>n</b> MATHEMATICAL DOUBLE-STRUCK SMALL N ≈ <font> 006E n latin small letter n
1D54B	<b>T</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL T ≈ <font> 0054 T latin capital letter t	1D560	<b>o</b> MATHEMATICAL DOUBLE-STRUCK SMALL O ≈ <font> 006F o latin small letter o
1D54C	<b>U</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL U ≈ <font> 0055 U latin capital letter u	1D561	<b>p</b> MATHEMATICAL DOUBLE-STRUCK SMALL P ≈ <font> 0070 p latin small letter p
1D54D	<b>V</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL V ≈ <font> 0056 V latin capital letter v	1D562	<b>q</b> MATHEMATICAL DOUBLE-STRUCK SMALL Q ≈ <font> 0071 q latin small letter q
1D54E	<b>W</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL W ≈ <font> 0057 W latin capital letter w	1D563	<b>r</b> MATHEMATICAL DOUBLE-STRUCK SMALL R ≈ <font> 0072 r latin small letter r
1D54F	<b>X</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL X ≈ <font> 0058 X latin capital letter x	1D564	<b>s</b> MATHEMATICAL DOUBLE-STRUCK SMALL S ≈ <font> 0073 s latin small letter s
1D550	<b>Y</b> MATHEMATICAL DOUBLE-STRUCK CAPITAL Y ≈ <font> 0059 Y latin capital letter y	1D565	<b>t</b> MATHEMATICAL DOUBLE-STRUCK SMALL T ≈ <font> 0074 t latin small letter t
1D551	 <reserved> → 2124 <b>Z</b> double-struck capital z		
1D552	<b>a</b> MATHEMATICAL DOUBLE-STRUCK SMALL A ≈ <font> 0061 a latin small letter a		

1D566	u	MATHEMATICAL DOUBLE-STRUCK SMALL U ≈ <font> 0075 u latin small letter u	1D579	ni	MATHEMATICAL BOLD FRAKTUR CAPITAL N ≈ <font> 004E N latin capital letter n
1D567	v	MATHEMATICAL DOUBLE-STRUCK SMALL V ≈ <font> 0076 v latin small letter v	1D57A	o	MATHEMATICAL BOLD FRAKTUR CAPITAL O ≈ <font> 004F O latin capital letter o
1D568	w	MATHEMATICAL DOUBLE-STRUCK SMALL W ≈ <font> 0077 w latin small letter w	1D57B	p	MATHEMATICAL BOLD FRAKTUR CAPITAL P ≈ <font> 0050 P latin capital letter p
1D569	x	MATHEMATICAL DOUBLE-STRUCK SMALL X ≈ <font> 0078 x latin small letter x	1D57C	q	MATHEMATICAL BOLD FRAKTUR CAPITAL Q ≈ <font> 0051 Q latin capital letter q
1D56A	y	MATHEMATICAL DOUBLE-STRUCK SMALL Y ≈ <font> 0079 y latin small letter y	1D57D	ri	MATHEMATICAL BOLD FRAKTUR CAPITAL R ≈ <font> 0052 R latin capital letter r
1D56B	z	MATHEMATICAL DOUBLE-STRUCK SMALL Z ≈ <font> 007A z latin small letter z	1D57E	s	MATHEMATICAL BOLD FRAKTUR CAPITAL S ≈ <font> 0053 S latin capital letter s

**Bold Fraktur symbols**

1D56C	ni	MATHEMATICAL BOLD FRAKTUR CAPITAL A ≈ <font> 0041 A latin capital letter a	1D57F	t	MATHEMATICAL BOLD FRAKTUR CAPITAL T ≈ <font> 0054 T latin capital letter t
1D56D	b	MATHEMATICAL BOLD FRAKTUR CAPITAL B ≈ <font> 0042 B latin capital letter b	1D580	u	MATHEMATICAL BOLD FRAKTUR CAPITAL U ≈ <font> 0055 U latin capital letter u
1D56E	c	MATHEMATICAL BOLD FRAKTUR CAPITAL C ≈ <font> 0043 C latin capital letter c	1D581	v	MATHEMATICAL BOLD FRAKTUR CAPITAL V ≈ <font> 0056 V latin capital letter v
1D56F	d	MATHEMATICAL BOLD FRAKTUR CAPITAL D ≈ <font> 0044 D latin capital letter d	1D582	w	MATHEMATICAL BOLD FRAKTUR CAPITAL W ≈ <font> 0057 W latin capital letter w
1D570	e	MATHEMATICAL BOLD FRAKTUR CAPITAL E ≈ <font> 0045 E latin capital letter e	1D583	x	MATHEMATICAL BOLD FRAKTUR CAPITAL X ≈ <font> 0058 X latin capital letter x
1D571	f	MATHEMATICAL BOLD FRAKTUR CAPITAL F ≈ <font> 0046 F latin capital letter f	1D584	y	MATHEMATICAL BOLD FRAKTUR CAPITAL Y ≈ <font> 0059 Y latin capital letter y
1D572	g	MATHEMATICAL BOLD FRAKTUR CAPITAL G ≈ <font> 0047 G latin capital letter g	1D585	z	MATHEMATICAL BOLD FRAKTUR CAPITAL Z ≈ <font> 005A Z latin capital letter z
1D573	h	MATHEMATICAL BOLD FRAKTUR CAPITAL H ≈ <font> 0048 H latin capital letter h	1D586	a	MATHEMATICAL BOLD FRAKTUR SMALL A ≈ <font> 0061 a latin small letter a
1D574	i	MATHEMATICAL BOLD FRAKTUR CAPITAL I ≈ <font> 0049 I latin capital letter i	1D587	b	MATHEMATICAL BOLD FRAKTUR SMALL B ≈ <font> 0062 b latin small letter b
1D575	j	MATHEMATICAL BOLD FRAKTUR CAPITAL J ≈ <font> 004A J latin capital letter j	1D588	c	MATHEMATICAL BOLD FRAKTUR SMALL C ≈ <font> 0063 c latin small letter c
1D576	k	MATHEMATICAL BOLD FRAKTUR CAPITAL K ≈ <font> 004B K latin capital letter k	1D589	d	MATHEMATICAL BOLD FRAKTUR SMALL D ≈ <font> 0064 d latin small letter d
1D577	l	MATHEMATICAL BOLD FRAKTUR CAPITAL L ≈ <font> 004C L latin capital letter l	1D58A	e	MATHEMATICAL BOLD FRAKTUR SMALL E ≈ <font> 0065 e latin small letter e
1D578	m	MATHEMATICAL BOLD FRAKTUR CAPITAL M ≈ <font> 004D M latin capital letter m	1D58B	f	MATHEMATICAL BOLD FRAKTUR SMALL F ≈ <font> 0066 f latin small letter f

1D58C **g** MATHEMATICAL BOLD FRAKTUR SMALL G  
 ≈ <font> 0067 g latin small letter g

1D58D **h** MATHEMATICAL BOLD FRAKTUR SMALL H  
 ≈ <font> 0068 h latin small letter h

1D58E **i** MATHEMATICAL BOLD FRAKTUR SMALL I  
 ≈ <font> 0069 i latin small letter i

1D58F **j** MATHEMATICAL BOLD FRAKTUR SMALL J  
 ≈ <font> 006A j latin small letter j

1D590 **k** MATHEMATICAL BOLD FRAKTUR SMALL K  
 ≈ <font> 006B k latin small letter k

1D591 **l** MATHEMATICAL BOLD FRAKTUR SMALL L  
 ≈ <font> 006C l latin small letter l

1D592 **m** MATHEMATICAL BOLD FRAKTUR SMALL M  
 ≈ <font> 006D m latin small letter m

1D593 **n** MATHEMATICAL BOLD FRAKTUR SMALL N  
 ≈ <font> 006E n latin small letter n

1D594 **o** MATHEMATICAL BOLD FRAKTUR SMALL O  
 ≈ <font> 006F o latin small letter o

1D595 **p** MATHEMATICAL BOLD FRAKTUR SMALL P  
 ≈ <font> 0070 p latin small letter p

1D596 **q** MATHEMATICAL BOLD FRAKTUR SMALL Q  
 ≈ <font> 0071 q latin small letter q

1D597 **r** MATHEMATICAL BOLD FRAKTUR SMALL R  
 ≈ <font> 0072 r latin small letter r

1D598 **s** MATHEMATICAL BOLD FRAKTUR SMALL S  
 ≈ <font> 0073 s latin small letter s

1D599 **t** MATHEMATICAL BOLD FRAKTUR SMALL T  
 ≈ <font> 0074 t latin small letter t

1D59A **u** MATHEMATICAL BOLD FRAKTUR SMALL U  
 ≈ <font> 0075 u latin small letter u

1D59B **v** MATHEMATICAL BOLD FRAKTUR SMALL V  
 ≈ <font> 0076 v latin small letter v

1D59C **w** MATHEMATICAL BOLD FRAKTUR SMALL W  
 ≈ <font> 0077 w latin small letter w

1D59D **x** MATHEMATICAL BOLD FRAKTUR SMALL X  
 ≈ <font> 0078 x latin small letter x

1D59E **y** MATHEMATICAL BOLD FRAKTUR SMALL Y  
 ≈ <font> 0079 y latin small letter y

1D59F **z** MATHEMATICAL BOLD FRAKTUR SMALL Z  
 ≈ <font> 007A z latin small letter z

### Sans-serif symbols

1D5A0 **A** MATHEMATICAL SANS-SERIF CAPITAL A  
 ≈ <font> 0041 A latin capital letter a

1D5A1 **B** MATHEMATICAL SANS-SERIF CAPITAL B  
 ≈ <font> 0042 B latin capital letter b

1D5A2 **C** MATHEMATICAL SANS-SERIF CAPITAL C  
 ≈ <font> 0043 C latin capital letter c

1D5A3 **D** MATHEMATICAL SANS-SERIF CAPITAL D  
 ≈ <font> 0044 D latin capital letter d

1D5A4 **E** MATHEMATICAL SANS-SERIF CAPITAL E  
 ≈ <font> 0045 E latin capital letter e

1D5A5 **F** MATHEMATICAL SANS-SERIF CAPITAL F  
 ≈ <font> 0046 F latin capital letter f

1D5A6 **G** MATHEMATICAL SANS-SERIF CAPITAL G  
 ≈ <font> 0047 G latin capital letter g

1D5A7 **H** MATHEMATICAL SANS-SERIF CAPITAL H  
 ≈ <font> 0048 H latin capital letter h

1D5A8 **I** MATHEMATICAL SANS-SERIF CAPITAL I  
 ≈ <font> 0049 I latin capital letter i

1D5A9 **J** MATHEMATICAL SANS-SERIF CAPITAL J  
 ≈ <font> 004A J latin capital letter j

1D5AA **K** MATHEMATICAL SANS-SERIF CAPITAL K  
 ≈ <font> 004B K latin capital letter k

1D5AB **L** MATHEMATICAL SANS-SERIF CAPITAL L  
 ≈ <font> 004C L latin capital letter l

1D5AC **M** MATHEMATICAL SANS-SERIF CAPITAL M  
 ≈ <font> 004D M latin capital letter m

1D5AD **N** MATHEMATICAL SANS-SERIF CAPITAL N  
 ≈ <font> 004E N latin capital letter n

1D5AE **O** MATHEMATICAL SANS-SERIF CAPITAL O  
 ≈ <font> 004F O latin capital letter o

1D5AF **P** MATHEMATICAL SANS-SERIF CAPITAL P  
 ≈ <font> 0050 P latin capital letter p

1D5B0 **Q** MATHEMATICAL SANS-SERIF CAPITAL Q  
 ≈ <font> 0051 Q latin capital letter q

1D5B1 **R** MATHEMATICAL SANS-SERIF CAPITAL R  
 ≈ <font> 0052 R latin capital letter r



1D5B2	<b>S</b> MATHEMATICAL SANS-SERIF CAPITAL S ≈ <font> 0053 S latin capital letter s	1D5C5	<b>I</b> MATHEMATICAL SANS-SERIF SMALL L ≈ <font> 006C I latin small letter l
1D5B3	<b>T</b> MATHEMATICAL SANS-SERIF CAPITAL T ≈ <font> 0054 T latin capital letter t	1D5C6	<b>m</b> MATHEMATICAL SANS-SERIF SMALL M ≈ <font> 006D m latin small letter m
1D5B4	<b>U</b> MATHEMATICAL SANS-SERIF CAPITAL U ≈ <font> 0055 U latin capital letter u	1D5C7	<b>n</b> MATHEMATICAL SANS-SERIF SMALL N ≈ <font> 006E n latin small letter n
1D5B5	<b>V</b> MATHEMATICAL SANS-SERIF CAPITAL V ≈ <font> 0056 V latin capital letter v	1D5C8	<b>o</b> MATHEMATICAL SANS-SERIF SMALL O ≈ <font> 006F o latin small letter o
1D5B6	<b>W</b> MATHEMATICAL SANS-SERIF CAPITAL W ≈ <font> 0057 W latin capital letter w	1D5C9	<b>p</b> MATHEMATICAL SANS-SERIF SMALL P ≈ <font> 0070 p latin small letter p
1D5B7	<b>X</b> MATHEMATICAL SANS-SERIF CAPITAL X ≈ <font> 0058 X latin capital letter x	1D5CA	<b>q</b> MATHEMATICAL SANS-SERIF SMALL Q ≈ <font> 0071 q latin small letter q
1D5B8	<b>Y</b> MATHEMATICAL SANS-SERIF CAPITAL Y ≈ <font> 0059 Y latin capital letter y	1D5CB	<b>r</b> MATHEMATICAL SANS-SERIF SMALL R ≈ <font> 0072 r latin small letter r
1D5B9	<b>Z</b> MATHEMATICAL SANS-SERIF CAPITAL Z ≈ <font> 005A Z latin capital letter z	1D5CC	<b>s</b> MATHEMATICAL SANS-SERIF SMALL S ≈ <font> 0073 s latin small letter s
1D5BA	<b>a</b> MATHEMATICAL SANS-SERIF SMALL A ≈ <font> 0061 a latin small letter a	1D5CD	<b>t</b> MATHEMATICAL SANS-SERIF SMALL T ≈ <font> 0074 t latin small letter t
1D5BB	<b>b</b> MATHEMATICAL SANS-SERIF SMALL B ≈ <font> 0062 b latin small letter b	1D5CE	<b>u</b> MATHEMATICAL SANS-SERIF SMALL U ≈ <font> 0075 u latin small letter u
1D5BC	<b>c</b> MATHEMATICAL SANS-SERIF SMALL C ≈ <font> 0063 c latin small letter c	1D5CF	<b>v</b> MATHEMATICAL SANS-SERIF SMALL V ≈ <font> 0076 v latin small letter v
1D5BD	<b>d</b> MATHEMATICAL SANS-SERIF SMALL D ≈ <font> 0064 d latin small letter d	1D5D0	<b>w</b> MATHEMATICAL SANS-SERIF SMALL W ≈ <font> 0077 w latin small letter w
1D5BE	<b>e</b> MATHEMATICAL SANS-SERIF SMALL E ≈ <font> 0065 e latin small letter e	1D5D1	<b>x</b> MATHEMATICAL SANS-SERIF SMALL X ≈ <font> 0078 x latin small letter x
1D5BF	<b>f</b> MATHEMATICAL SANS-SERIF SMALL F ≈ <font> 0066 f latin small letter f	1D5D2	<b>y</b> MATHEMATICAL SANS-SERIF SMALL Y ≈ <font> 0079 y latin small letter y
1D5C0	<b>g</b> MATHEMATICAL SANS-SERIF SMALL G ≈ <font> 0067 g latin small letter g	1D5D3	<b>z</b> MATHEMATICAL SANS-SERIF SMALL Z ≈ <font> 007A z latin small letter z
1D5C1	<b>h</b> MATHEMATICAL SANS-SERIF SMALL H ≈ <font> 0068 h latin small letter h	<b>Sans-serif bold symbols</b>	
1D5C2	<b>i</b> MATHEMATICAL SANS-SERIF SMALL I ≈ <font> 0069 i latin small letter i	1D5D4	<b>A</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL A ≈ <font> 0041 A latin capital letter a
1D5C3	<b>j</b> MATHEMATICAL SANS-SERIF SMALL J ≈ <font> 006A j latin small letter j	1D5D5	<b>B</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL B ≈ <font> 0042 B latin capital letter b
1D5C4	<b>k</b> MATHEMATICAL SANS-SERIF SMALL K ≈ <font> 006B k latin small letter k	1D5D6	<b>C</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL C ≈ <font> 0043 C latin capital letter c
		1D5D7	<b>D</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL D ≈ <font> 0044 D latin capital letter d

1D5D8	<b>E</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL E ≈ <font> 0045 E latin capital letter e	1D5EB	<b>X</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL X ≈ <font> 0058 X latin capital letter x
1D5D9	<b>F</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL F ≈ <font> 0046 F latin capital letter f	1D5EC	<b>Y</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL Y ≈ <font> 0059 Y latin capital letter y
1D5DA	<b>G</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL G ≈ <font> 0047 G latin capital letter g	1D5ED	<b>Z</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL Z ≈ <font> 005A Z latin capital letter z
1D5DB	<b>H</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL H ≈ <font> 0048 H latin capital letter h	1D5EE	<b>a</b> MATHEMATICAL SANS-SERIF BOLD SMALL A ≈ <font> 0061 a latin small letter a
1D5DC	<b>I</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL I ≈ <font> 0049 I latin capital letter i	1D5EF	<b>b</b> MATHEMATICAL SANS-SERIF BOLD SMALL B ≈ <font> 0062 b latin small letter b
1D5DD	<b>J</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL J ≈ <font> 004A J latin capital letter j	1D5F0	<b>c</b> MATHEMATICAL SANS-SERIF BOLD SMALL C ≈ <font> 0063 c latin small letter c
1D5DE	<b>K</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL K ≈ <font> 004B K latin capital letter k	1D5F1	<b>d</b> MATHEMATICAL SANS-SERIF BOLD SMALL D ≈ <font> 0064 d latin small letter d
1D5DF	<b>L</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL L ≈ <font> 004C L latin capital letter l	1D5F2	<b>e</b> MATHEMATICAL SANS-SERIF BOLD SMALL E ≈ <font> 0065 e latin small letter e
1D5E0	<b>M</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL M ≈ <font> 004D M latin capital letter m	1D5F3	<b>f</b> MATHEMATICAL SANS-SERIF BOLD SMALL F ≈ <font> 0066 f latin small letter f
1D5E1	<b>N</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL N ≈ <font> 004E N latin capital letter n	1D5F4	<b>g</b> MATHEMATICAL SANS-SERIF BOLD SMALL G ≈ <font> 0067 g latin small letter g
1D5E2	<b>O</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL O ≈ <font> 004F O latin capital letter o	1D5F5	<b>h</b> MATHEMATICAL SANS-SERIF BOLD SMALL H ≈ <font> 0068 h latin small letter h
1D5E3	<b>P</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL P ≈ <font> 0050 P latin capital letter p	1D5F6	<b>i</b> MATHEMATICAL SANS-SERIF BOLD SMALL I ≈ <font> 0069 i latin small letter i
1D5E4	<b>Q</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL Q ≈ <font> 0051 Q latin capital letter q	1D5F7	<b>j</b> MATHEMATICAL SANS-SERIF BOLD SMALL J ≈ <font> 006A j latin small letter j
1D5E5	<b>R</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL R ≈ <font> 0052 R latin capital letter r	1D5F8	<b>k</b> MATHEMATICAL SANS-SERIF BOLD SMALL K ≈ <font> 006B k latin small letter k
1D5E6	<b>S</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL S ≈ <font> 0053 S latin capital letter s	1D5F9	<b>l</b> MATHEMATICAL SANS-SERIF BOLD SMALL L ≈ <font> 006C l latin small letter l
1D5E7	<b>T</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL T ≈ <font> 0054 T latin capital letter t	1D5FA	<b>m</b> MATHEMATICAL SANS-SERIF BOLD SMALL M ≈ <font> 006D m latin small letter m
1D5E8	<b>U</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL U ≈ <font> 0055 U latin capital letter u	1D5FB	<b>n</b> MATHEMATICAL SANS-SERIF BOLD SMALL N ≈ <font> 006E n latin small letter n
1D5E9	<b>V</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL V ≈ <font> 0056 V latin capital letter v	1D5FC	<b>o</b> MATHEMATICAL SANS-SERIF BOLD SMALL O ≈ <font> 006F o latin small letter o
1D5EA	<b>W</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL W ≈ <font> 0057 W latin capital letter w	1D5FD	<b>p</b> MATHEMATICAL SANS-SERIF BOLD SMALL P ≈ <font> 0070 p latin small letter p

1D5FE	<b>q</b> MATHEMATICAL SANS-SERIF BOLD SMALL Q ≈ <font> 0071 q latin small letter q	1D611	<b>J</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL J ≈ <font> 004A J latin capital letter j
1D5FF	<b>r</b> MATHEMATICAL SANS-SERIF BOLD SMALL R ≈ <font> 0072 r latin small letter r	1D612	<b>K</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL K ≈ <font> 004B K latin capital letter k
1D600	<b>s</b> MATHEMATICAL SANS-SERIF BOLD SMALL S ≈ <font> 0073 s latin small letter s	1D613	<b>L</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL L ≈ <font> 004C L latin capital letter l
1D601	<b>t</b> MATHEMATICAL SANS-SERIF BOLD SMALL T ≈ <font> 0074 t latin small letter t	1D614	<b>M</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL M ≈ <font> 004D M latin capital letter m
1D602	<b>u</b> MATHEMATICAL SANS-SERIF BOLD SMALL U ≈ <font> 0075 u latin small letter u	1D615	<b>N</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL N ≈ <font> 004E N latin capital letter n
1D603	<b>v</b> MATHEMATICAL SANS-SERIF BOLD SMALL V ≈ <font> 0076 v latin small letter v	1D616	<b>O</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL O ≈ <font> 004F O latin capital letter o
1D604	<b>w</b> MATHEMATICAL SANS-SERIF BOLD SMALL W ≈ <font> 0077 w latin small letter w	1D617	<b>P</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL P ≈ <font> 0050 P latin capital letter p
1D605	<b>x</b> MATHEMATICAL SANS-SERIF BOLD SMALL X ≈ <font> 0078 x latin small letter x	1D618	<b>Q</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL Q ≈ <font> 0051 Q latin capital letter q
1D606	<b>y</b> MATHEMATICAL SANS-SERIF BOLD SMALL Y ≈ <font> 0079 y latin small letter y	1D619	<b>R</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL R ≈ <font> 0052 R latin capital letter r
1D607	<b>z</b> MATHEMATICAL SANS-SERIF BOLD SMALL Z ≈ <font> 007A z latin small letter z	1D61A	<b>S</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL S ≈ <font> 0053 S latin capital letter s

**Sans-serif italic symbols**

1D608	<b>A</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL A ≈ <font> 0041 A latin capital letter a	1D61B	<b>T</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL T ≈ <font> 0054 T latin capital letter t
1D609	<b>B</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL B ≈ <font> 0042 B latin capital letter b	1D61C	<b>U</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL U ≈ <font> 0055 U latin capital letter u
1D60A	<b>C</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL C ≈ <font> 0043 C latin capital letter c	1D61D	<b>V</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL V ≈ <font> 0056 V latin capital letter v
1D60B	<b>D</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL D ≈ <font> 0044 D latin capital letter d	1D61E	<b>W</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL W ≈ <font> 0057 W latin capital letter w
1D60C	<b>E</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL E ≈ <font> 0045 E latin capital letter e	1D61F	<b>X</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL X ≈ <font> 0058 X latin capital letter x
1D60D	<b>F</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL F ≈ <font> 0046 F latin capital letter f	1D620	<b>Y</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL Y ≈ <font> 0059 Y latin capital letter y
1D60E	<b>G</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL G ≈ <font> 0047 G latin capital letter g	1D621	<b>Z</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL Z ≈ <font> 005A Z latin capital letter z
1D60F	<b>H</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL H ≈ <font> 0048 H latin capital letter h	1D622	<b>a</b> MATHEMATICAL SANS-SERIF ITALIC SMALL A ≈ <font> 0061 a latin small letter a
1D610	<b>I</b> MATHEMATICAL SANS-SERIF ITALIC CAPITAL I ≈ <font> 0049 I latin capital letter i	1D623	<b>b</b> MATHEMATICAL SANS-SERIF ITALIC SMALL B ≈ <font> 0062 b latin small letter b

1D624 **c** MATHEMATICAL SANS-SERIF ITALIC SMALL C  
 ≈ <font> 0063 c latin small letter c

1D625 **d** MATHEMATICAL SANS-SERIF ITALIC SMALL D  
 ≈ <font> 0064 d latin small letter d

1D626 **e** MATHEMATICAL SANS-SERIF ITALIC SMALL E  
 ≈ <font> 0065 e latin small letter e

1D627 **f** MATHEMATICAL SANS-SERIF ITALIC SMALL F  
 ≈ <font> 0066 f latin small letter f

1D628 **g** MATHEMATICAL SANS-SERIF ITALIC SMALL G  
 ≈ <font> 0067 g latin small letter g

1D629 **h** MATHEMATICAL SANS-SERIF ITALIC SMALL H  
 ≈ <font> 0068 h latin small letter h

1D62A **i** MATHEMATICAL SANS-SERIF ITALIC SMALL I  
 ≈ <font> 0069 i latin small letter i

1D62B **j** MATHEMATICAL SANS-SERIF ITALIC SMALL J  
 ≈ <font> 006A j latin small letter j

1D62C **k** MATHEMATICAL SANS-SERIF ITALIC SMALL K  
 ≈ <font> 006B k latin small letter k

1D62D **l** MATHEMATICAL SANS-SERIF ITALIC SMALL L  
 ≈ <font> 006C l latin small letter l

1D62E **m** MATHEMATICAL SANS-SERIF ITALIC SMALL M  
 ≈ <font> 006D m latin small letter m

1D62F **n** MATHEMATICAL SANS-SERIF ITALIC SMALL N  
 ≈ <font> 006E n latin small letter n

1D630 **o** MATHEMATICAL SANS-SERIF ITALIC SMALL O  
 ≈ <font> 006F o latin small letter o

1D631 **p** MATHEMATICAL SANS-SERIF ITALIC SMALL P  
 ≈ <font> 0070 p latin small letter p

1D632 **q** MATHEMATICAL SANS-SERIF ITALIC SMALL Q  
 ≈ <font> 0071 q latin small letter q

1D633 **r** MATHEMATICAL SANS-SERIF ITALIC SMALL R  
 ≈ <font> 0072 r latin small letter r

1D634 **s** MATHEMATICAL SANS-SERIF ITALIC SMALL S  
 ≈ <font> 0073 s latin small letter s

1D635 **t** MATHEMATICAL SANS-SERIF ITALIC SMALL T  
 ≈ <font> 0074 t latin small letter t

1D636 **u** MATHEMATICAL SANS-SERIF ITALIC SMALL U  
 ≈ <font> 0075 u latin small letter u

1D637 **v** MATHEMATICAL SANS-SERIF ITALIC SMALL V  
 ≈ <font> 0076 v latin small letter v

1D638 **w** MATHEMATICAL SANS-SERIF ITALIC SMALL W  
 ≈ <font> 0077 w latin small letter w

1D639 **x** MATHEMATICAL SANS-SERIF ITALIC SMALL X  
 ≈ <font> 0078 x latin small letter x

1D63A **y** MATHEMATICAL SANS-SERIF ITALIC SMALL Y  
 ≈ <font> 0079 y latin small letter y

1D63B **z** MATHEMATICAL SANS-SERIF ITALIC SMALL Z  
 ≈ <font> 007A z latin small letter z

### Sans-serif bold italic symbols

1D63C **A** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL A  
 ≈ <font> 0041 A latin capital letter a

1D63D **B** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL B  
 ≈ <font> 0042 B latin capital letter b

1D63E **C** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL C  
 ≈ <font> 0043 C latin capital letter c

1D63F **D** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL D  
 ≈ <font> 0044 D latin capital letter d

1D640 **E** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL E  
 ≈ <font> 0045 E latin capital letter e

1D641 **F** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL F  
 ≈ <font> 0046 F latin capital letter f

1D642 **G** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL G  
 ≈ <font> 0047 G latin capital letter g

1D643 **H** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL H  
 ≈ <font> 0048 H latin capital letter h

1D644 **I** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL I  
 ≈ <font> 0049 I latin capital letter i

1D645 **J** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL J  
 ≈ <font> 004A J latin capital letter j

1D646 **K** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL K  
 ≈ <font> 004B K latin capital letter k

1D647 **L** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL L  
 ≈ <font> 004C L latin capital letter l

1D648 **M** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL M  
 ≈ <font> 004D M latin capital letter m

1D649 **N** MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL N  
 ≈ <font> 004E N latin capital letter n

1D64A	<b>O</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL O ≈ <font> 004F O latin capital letter o	1D65D	<b>h</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL H ≈ <font> 0068 h latin small letter h
1D64B	<b>P</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL P ≈ <font> 0050 P latin capital letter p	1D65E	<b>i</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL I ≈ <font> 0069 i latin small letter i
1D64C	<b>Q</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Q ≈ <font> 0051 Q latin capital letter q	1D65F	<b>j</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL J ≈ <font> 006A j latin small letter j
1D64D	<b>R</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL R ≈ <font> 0052 R latin capital letter r	1D660	<b>k</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL K ≈ <font> 006B k latin small letter k
1D64E	<b>S</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL S ≈ <font> 0053 S latin capital letter s	1D661	<b>l</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL L ≈ <font> 006C l latin small letter l
1D64F	<b>T</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL T ≈ <font> 0054 T latin capital letter t	1D662	<b>m</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL M ≈ <font> 006D m latin small letter m
1D650	<b>U</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL U ≈ <font> 0055 U latin capital letter u	1D663	<b>n</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL N ≈ <font> 006E n latin small letter n
1D651	<b>V</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL V ≈ <font> 0056 V latin capital letter v	1D664	<b>o</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL O ≈ <font> 006F o latin small letter o
1D652	<b>W</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL W ≈ <font> 0057 W latin capital letter w	1D665	<b>p</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL P ≈ <font> 0070 p latin small letter p
1D653	<b>X</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL X ≈ <font> 0058 X latin capital letter x	1D666	<b>q</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Q ≈ <font> 0071 q latin small letter q
1D654	<b>Y</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Y ≈ <font> 0059 Y latin capital letter y	1D667	<b>r</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL R ≈ <font> 0072 r latin small letter r
1D655	<b>Z</b> MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Z ≈ <font> 005A Z latin capital letter z	1D668	<b>s</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL S ≈ <font> 0073 s latin small letter s
1D656	<b>a</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL A ≈ <font> 0061 a latin small letter a	1D669	<b>t</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL T ≈ <font> 0074 t latin small letter t
1D657	<b>b</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL B ≈ <font> 0062 b latin small letter b	1D66A	<b>u</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL U ≈ <font> 0075 u latin small letter u
1D658	<b>c</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL C ≈ <font> 0063 c latin small letter c	1D66B	<b>v</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL V ≈ <font> 0076 v latin small letter v
1D659	<b>d</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL D ≈ <font> 0064 d latin small letter d	1D66C	<b>w</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL W ≈ <font> 0077 w latin small letter w
1D65A	<b>e</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL E ≈ <font> 0065 e latin small letter e	1D66D	<b>x</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL X ≈ <font> 0078 x latin small letter x
1D65B	<b>f</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL F ≈ <font> 0066 f latin small letter f	1D66E	<b>y</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Y ≈ <font> 0079 y latin small letter y
1D65C	<b>g</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL G ≈ <font> 0067 g latin small letter g	1D66F	<b>z</b> MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Z ≈ <font> 007A z latin small letter z

**Monospace symbols**

1D670	<b>A</b>	MATHEMATICAL MONOSPACE CAPITAL A ≈ <font> 0041 A latin capital letter a	1D683	<b>T</b>	MATHEMATICAL MONOSPACE CAPITAL T ≈ <font> 0054 T latin capital letter t
1D671	<b>B</b>	MATHEMATICAL MONOSPACE CAPITAL B ≈ <font> 0042 B latin capital letter b	1D684	<b>U</b>	MATHEMATICAL MONOSPACE CAPITAL U ≈ <font> 0055 U latin capital letter u
1D672	<b>C</b>	MATHEMATICAL MONOSPACE CAPITAL C ≈ <font> 0043 C latin capital letter c	1D685	<b>V</b>	MATHEMATICAL MONOSPACE CAPITAL V ≈ <font> 0056 V latin capital letter v
1D673	<b>D</b>	MATHEMATICAL MONOSPACE CAPITAL D ≈ <font> 0044 D latin capital letter d	1D686	<b>W</b>	MATHEMATICAL MONOSPACE CAPITAL W ≈ <font> 0057 W latin capital letter w
1D674	<b>E</b>	MATHEMATICAL MONOSPACE CAPITAL E ≈ <font> 0045 E latin capital letter e	1D687	<b>X</b>	MATHEMATICAL MONOSPACE CAPITAL X ≈ <font> 0058 X latin capital letter x
1D675	<b>F</b>	MATHEMATICAL MONOSPACE CAPITAL F ≈ <font> 0046 F latin capital letter f	1D688	<b>Y</b>	MATHEMATICAL MONOSPACE CAPITAL Y ≈ <font> 0059 Y latin capital letter y
1D676	<b>G</b>	MATHEMATICAL MONOSPACE CAPITAL G ≈ <font> 0047 G latin capital letter g	1D689	<b>Z</b>	MATHEMATICAL MONOSPACE CAPITAL Z ≈ <font> 005A Z latin capital letter z
1D677	<b>H</b>	MATHEMATICAL MONOSPACE CAPITAL H ≈ <font> 0048 H latin capital letter h	1D68A	<b>a</b>	MATHEMATICAL MONOSPACE SMALL A ≈ <font> 0061 a latin small letter a
1D678	<b>I</b>	MATHEMATICAL MONOSPACE CAPITAL I ≈ <font> 0049 I latin capital letter i	1D68B	<b>b</b>	MATHEMATICAL MONOSPACE SMALL B ≈ <font> 0062 b latin small letter b
1D679	<b>J</b>	MATHEMATICAL MONOSPACE CAPITAL J ≈ <font> 004A J latin capital letter j	1D68C	<b>c</b>	MATHEMATICAL MONOSPACE SMALL C ≈ <font> 0063 c latin small letter c
1D67A	<b>K</b>	MATHEMATICAL MONOSPACE CAPITAL K ≈ <font> 004B K latin capital letter k	1D68D	<b>d</b>	MATHEMATICAL MONOSPACE SMALL D ≈ <font> 0064 d latin small letter d
1D67B	<b>L</b>	MATHEMATICAL MONOSPACE CAPITAL L ≈ <font> 004C L latin capital letter l	1D68E	<b>e</b>	MATHEMATICAL MONOSPACE SMALL E ≈ <font> 0065 e latin small letter e
1D67C	<b>M</b>	MATHEMATICAL MONOSPACE CAPITAL M ≈ <font> 004D M latin capital letter m	1D68F	<b>f</b>	MATHEMATICAL MONOSPACE SMALL F ≈ <font> 0066 f latin small letter f
1D67D	<b>N</b>	MATHEMATICAL MONOSPACE CAPITAL N ≈ <font> 004E N latin capital letter n	1D690	<b>g</b>	MATHEMATICAL MONOSPACE SMALL G ≈ <font> 0067 g latin small letter g
1D67E	<b>O</b>	MATHEMATICAL MONOSPACE CAPITAL O ≈ <font> 004F O latin capital letter o	1D691	<b>h</b>	MATHEMATICAL MONOSPACE SMALL H ≈ <font> 0068 h latin small letter h
1D67F	<b>P</b>	MATHEMATICAL MONOSPACE CAPITAL P ≈ <font> 0050 P latin capital letter p	1D692	<b>i</b>	MATHEMATICAL MONOSPACE SMALL I ≈ <font> 0069 i latin small letter i
1D680	<b>Q</b>	MATHEMATICAL MONOSPACE CAPITAL Q ≈ <font> 0051 Q latin capital letter q	1D693	<b>j</b>	MATHEMATICAL MONOSPACE SMALL J ≈ <font> 006A j latin small letter j
1D681	<b>R</b>	MATHEMATICAL MONOSPACE CAPITAL R ≈ <font> 0052 R latin capital letter r	1D694	<b>k</b>	MATHEMATICAL MONOSPACE SMALL K ≈ <font> 006B k latin small letter k
1D682	<b>S</b>	MATHEMATICAL MONOSPACE CAPITAL S ≈ <font> 0053 S latin capital letter s	1D695	<b>l</b>	MATHEMATICAL MONOSPACE SMALL L ≈ <font> 006C l latin small letter l

1D696 **m** MATHEMATICAL MONOSPACE SMALL M  
 ≈ <font> 006D m latin small letter m

1D697 **n** MATHEMATICAL MONOSPACE SMALL N  
 ≈ <font> 006E n latin small letter n

1D698 **o** MATHEMATICAL MONOSPACE SMALL O  
 ≈ <font> 006F o latin small letter o

1D699 **p** MATHEMATICAL MONOSPACE SMALL P  
 ≈ <font> 0070 p latin small letter p

1D69A **q** MATHEMATICAL MONOSPACE SMALL Q  
 ≈ <font> 0071 q latin small letter q

1D69B **r** MATHEMATICAL MONOSPACE SMALL R  
 ≈ <font> 0072 r latin small letter r

1D69C **s** MATHEMATICAL MONOSPACE SMALL S  
 ≈ <font> 0073 s latin small letter s

1D69D **t** MATHEMATICAL MONOSPACE SMALL T  
 ≈ <font> 0074 t latin small letter t

1D69E **u** MATHEMATICAL MONOSPACE SMALL U  
 ≈ <font> 0075 u latin small letter u

1D69F **v** MATHEMATICAL MONOSPACE SMALL V  
 ≈ <font> 0076 v latin small letter v

1D6A0 **w** MATHEMATICAL MONOSPACE SMALL W  
 ≈ <font> 0077 w latin small letter w

1D6A1 **x** MATHEMATICAL MONOSPACE SMALL X  
 ≈ <font> 0078 x latin small letter x

1D6A2 **y** MATHEMATICAL MONOSPACE SMALL Y  
 ≈ <font> 0079 y latin small letter y

1D6A3 **z** MATHEMATICAL MONOSPACE SMALL Z  
 ≈ <font> 007A z latin small letter z

**Bold Greek symbols**

1D6A8 **Α** MATHEMATICAL BOLD CAPITAL ALPHA  
 ≈ <font> 0391 Α greek capital letter alpha

1D6A9 **Β** MATHEMATICAL BOLD CAPITAL BETA  
 ≈ <font> 0392 Β greek capital letter beta

1D6AA **Γ** MATHEMATICAL BOLD CAPITAL GAMMA  
 ≈ <font> 0393 Γ greek capital letter gamma

1D6AB **Δ** MATHEMATICAL BOLD CAPITAL DELTA  
 ≈ <font> 0394 Δ greek capital letter delta

1D6AC **Ε** MATHEMATICAL BOLD CAPITAL EPSILON  
 ≈ <font> 0395 Ε greek capital letter epsilon

1D6AD **Ζ** MATHEMATICAL BOLD CAPITAL ZETA  
 ≈ <font> 0396 Ζ greek capital letter zeta

1D6AE **Η** MATHEMATICAL BOLD CAPITAL ETA  
 ≈ <font> 0397 Η greek capital letter eta

1D6AF **Θ** MATHEMATICAL BOLD CAPITAL THETA  
 ≈ <font> 0398 Θ greek capital letter theta

1D6B0 **Ι** MATHEMATICAL BOLD CAPITAL IOTA  
 ≈ <font> 0399 Ι greek capital letter iota

1D6B1 **Κ** MATHEMATICAL BOLD CAPITAL KAPPA  
 ≈ <font> 039A Κ greek capital letter kappa

1D6B2 **Λ** MATHEMATICAL BOLD CAPITAL LAMDA  
 ≈ <font> 039B Λ greek capital letter lamda

1D6B3 **Μ** MATHEMATICAL BOLD CAPITAL MU  
 ≈ <font> 039C Μ greek capital letter mu

1D6B4 **Ν** MATHEMATICAL BOLD CAPITAL NU  
 ≈ <font> 039D Ν greek capital letter nu

1D6B5 **Ξ** MATHEMATICAL BOLD CAPITAL XI  
 ≈ <font> 039E Ξ greek capital letter xi

1D6B6 **Ο** MATHEMATICAL BOLD CAPITAL OMICRON  
 ≈ <font> 039F Ο greek capital letter omicron

1D6B7 **Π** MATHEMATICAL BOLD CAPITAL PI  
 ≈ <font> 03A0 Π greek capital letter pi

1D6B8 **Ρ** MATHEMATICAL BOLD CAPITAL RHO  
 ≈ <font> 03A1 Ρ greek capital letter rho

1D6B9 **Θ** MATHEMATICAL BOLD CAPITAL THETA SYMBOL  
 ≈ <font> 03F4 Θ greek capital theta symbol

1D6BA **Σ** MATHEMATICAL BOLD CAPITAL SIGMA  
 ≈ <font> 03A3 Σ greek capital letter sigma

1D6BB **Τ** MATHEMATICAL BOLD CAPITAL TAU  
 ≈ <font> 03A4 Τ greek capital letter tau

1D6BC **Υ** MATHEMATICAL BOLD CAPITAL UPSILON  
 ≈ <font> 03A5 Υ greek capital letter upsilon

1D6BD **Φ** MATHEMATICAL BOLD CAPITAL PHI  
 ≈ <font> 03A6 Φ greek capital letter phi

1D6BE **Χ** MATHEMATICAL BOLD CAPITAL CHI  
 ≈ <font> 03A7 Χ greek capital letter chi

1D6BF **Ψ** MATHEMATICAL BOLD CAPITAL PSI  
 ≈ <font> 03A8 Ψ greek capital letter psi

1D6C0 **Ω** MATHEMATICAL BOLD CAPITAL OMEGA  
 ≈ <font> 03A9 Ω greek capital letter omega

1D6C1 **∇** MATHEMATICAL BOLD NABLA  
 ≈ <font> 2207 ∇ nabla

1D6C2 **α** MATHEMATICAL BOLD SMALL ALPHA  
 ≈ <font> 03B1 α greek small letter alpha

1D6C3 **β** MATHEMATICAL BOLD SMALL BETA  
 ≈ <font> 03B2 β greek small letter beta

1D6C4	<b>γ</b>	MATHEMATICAL BOLD SMALL GAMMA ≈ <font> 03B3 γ greek small letter gamma
1D6C5	<b>δ</b>	MATHEMATICAL BOLD SMALL DELTA ≈ <font> 03B4 δ greek small letter delta
1D6C6	<b>ε</b>	MATHEMATICAL BOLD SMALL EPSILON ≈ <font> 03B5 ε greek small letter epsilon
1D6C7	<b>ζ</b>	MATHEMATICAL BOLD SMALL ZETA ≈ <font> 03B6 ζ greek small letter zeta
1D6C8	<b>η</b>	MATHEMATICAL BOLD SMALL ETA ≈ <font> 03B7 η greek small letter eta
1D6C9	<b>θ</b>	MATHEMATICAL BOLD SMALL THETA ≈ <font> 03B8 θ greek small letter theta
1D6CA	<b>ι</b>	MATHEMATICAL BOLD SMALL IOTA ≈ <font> 03B9 ι greek small letter iota
1D6CB	<b>κ</b>	MATHEMATICAL BOLD SMALL KAPPA ≈ <font> 03BA κ greek small letter kappa
1D6CC	<b>λ</b>	MATHEMATICAL BOLD SMALL LAMDA ≈ <font> 03BB λ greek small letter lamda
1D6CD	<b>μ</b>	MATHEMATICAL BOLD SMALL MU ≈ <font> 03BC μ greek small letter mu
1D6CE	<b>ν</b>	MATHEMATICAL BOLD SMALL NU ≈ <font> 03BD ν greek small letter nu
1D6CF	<b>ξ</b>	MATHEMATICAL BOLD SMALL XI ≈ <font> 03BE ξ greek small letter xi
1D6D0	<b>ο</b>	MATHEMATICAL BOLD SMALL OMICRON ≈ <font> 03BF ο greek small letter omicron
1D6D1	<b>π</b>	MATHEMATICAL BOLD SMALL PI ≈ <font> 03C0 π greek small letter pi
1D6D2	<b>ρ</b>	MATHEMATICAL BOLD SMALL RHO ≈ <font> 03C1 ρ greek small letter rho
1D6D3	<b>ς</b>	MATHEMATICAL BOLD SMALL FINAL SIGMA ≈ <font> 03C2 ς greek small letter final sigma
1D6D4	<b>σ</b>	MATHEMATICAL BOLD SMALL SIGMA ≈ <font> 03C3 σ greek small letter sigma
1D6D5	<b>τ</b>	MATHEMATICAL BOLD SMALL TAU ≈ <font> 03C4 τ greek small letter tau
1D6D6	<b>υ</b>	MATHEMATICAL BOLD SMALL UPSILON ≈ <font> 03C5 υ greek small letter upsilon
1D6D7	<b>φ</b>	MATHEMATICAL BOLD SMALL PHI ≈ <font> 03C6 φ greek small letter phi
1D6D8	<b>χ</b>	MATHEMATICAL BOLD SMALL CHI ≈ <font> 03C7 χ greek small letter chi
1D6D9	<b>ψ</b>	MATHEMATICAL BOLD SMALL PSI ≈ <font> 03C8 ψ greek small letter psi
1D6DA	<b>ω</b>	MATHEMATICAL BOLD SMALL OMEGA ≈ <font> 03C9 ω greek small letter omega

**Additional bold Greek symbols**

1D6DB	<b>∂</b>	MATHEMATICAL BOLD PARTIAL DIFFERENTIAL ≈ <font> 2202 ∂ partial differential
1D6DC	<b>ε</b>	MATHEMATICAL BOLD EPSILON SYMBOL ≈ <font> 03F5 ε greek lunate epsilon symbol
1D6DD	<b>ϑ</b>	MATHEMATICAL BOLD THETA SYMBOL ≈ <font> 03D1 ϑ greek theta symbol
1D6DE	<b>κ</b>	MATHEMATICAL BOLD KAPPA SYMBOL ≈ <font> 03F0 κ greek kappa symbol
1D6DF	<b>φ</b>	MATHEMATICAL BOLD PHI SYMBOL ≈ <font> 03D5 φ greek phi symbol
1D6E0	<b>ρ</b>	MATHEMATICAL BOLD RHO SYMBOL ≈ <font> 03F1 ρ greek rho symbol
1D6E1	<b>π</b>	MATHEMATICAL BOLD PI SYMBOL ≈ <font> 03D6 π greek pi symbol

**Italic Greek symbols**

1D6E2	<b>Α</b>	MATHEMATICAL ITALIC CAPITAL ALPHA ≈ <font> 0391 Α greek capital letter alpha
1D6E3	<b>Β</b>	MATHEMATICAL ITALIC CAPITAL BETA ≈ <font> 0392 Β greek capital letter beta
1D6E4	<b>Γ</b>	MATHEMATICAL ITALIC CAPITAL GAMMA ≈ <font> 0393 Γ greek capital letter gamma
1D6E5	<b>Δ</b>	MATHEMATICAL ITALIC CAPITAL DELTA ≈ <font> 0394 Δ greek capital letter delta
1D6E6	<b>Ε</b>	MATHEMATICAL ITALIC CAPITAL EPSILON ≈ <font> 0395 Ε greek capital letter epsilon
1D6E7	<b>Ζ</b>	MATHEMATICAL ITALIC CAPITAL ZETA ≈ <font> 0396 Ζ greek capital letter zeta
1D6E8	<b>Η</b>	MATHEMATICAL ITALIC CAPITAL ETA ≈ <font> 0397 Η greek capital letter eta
1D6E9	<b>Θ</b>	MATHEMATICAL ITALIC CAPITAL THETA ≈ <font> 0398 Θ greek capital letter theta
1D6EA	<b>Ι</b>	MATHEMATICAL ITALIC CAPITAL IOTA ≈ <font> 0399 Ι greek capital letter iota
1D6EB	<b>Κ</b>	MATHEMATICAL ITALIC CAPITAL KAPPA ≈ <font> 039A Κ greek capital letter kappa
1D6EC	<b>Λ</b>	MATHEMATICAL ITALIC CAPITAL LAMDA ≈ <font> 039B Λ greek capital letter lamda
1D6ED	<b>Μ</b>	MATHEMATICAL ITALIC CAPITAL MU ≈ <font> 039C Μ greek capital letter mu



1D6EE	<b>N</b> MATHEMATICAL ITALIC CAPITAL NU ≈ <font> 039D Ν greek capital letter nu	1D703	<b>θ</b> MATHEMATICAL ITALIC SMALL THETA ≈ <font> 03B8 θ greek small letter theta
1D6EF	<b>Ξ</b> MATHEMATICAL ITALIC CAPITAL XI ≈ <font> 039E Ξ greek capital letter xi	1D704	<b>ι</b> MATHEMATICAL ITALIC SMALL IOTA ≈ <font> 03B9 ι greek small letter iota
1D6F0	<b>Ο</b> MATHEMATICAL ITALIC CAPITAL OMICRON ≈ <font> 039F Ο greek capital letter omicron	1D705	<b>κ</b> MATHEMATICAL ITALIC SMALL KAPPA ≈ <font> 03BA κ greek small letter kappa
1D6F1	<b>Π</b> MATHEMATICAL ITALIC CAPITAL PI ≈ <font> 03A0 Π greek capital letter pi	1D706	<b>λ</b> MATHEMATICAL ITALIC SMALL LAMDA ≈ <font> 03BB λ greek small letter lamda
1D6F2	<b>Ρ</b> MATHEMATICAL ITALIC CAPITAL RHO ≈ <font> 03A1 Ρ greek capital letter rho	1D707	<b>μ</b> MATHEMATICAL ITALIC SMALL MU ≈ <font> 03BC μ greek small letter mu
1D6F3	<b>Θ</b> MATHEMATICAL ITALIC CAPITAL THETA SYMBOL ≈ <font> 03F4 Θ greek capital theta symbol	1D708	<b>ν</b> MATHEMATICAL ITALIC SMALL NU ≈ <font> 03BD ν greek small letter nu
1D6F4	<b>Σ</b> MATHEMATICAL ITALIC CAPITAL SIGMA ≈ <font> 03A3 Σ greek capital letter sigma	1D709	<b>ξ</b> MATHEMATICAL ITALIC SMALL XI ≈ <font> 03BE ξ greek small letter xi
1D6F5	<b>Τ</b> MATHEMATICAL ITALIC CAPITAL TAU ≈ <font> 03A4 Τ greek capital letter tau	1D70A	<b>ο</b> MATHEMATICAL ITALIC SMALL OMICRON ≈ <font> 03BF ο greek small letter omicron
1D6F6	<b>Υ</b> MATHEMATICAL ITALIC CAPITAL UPSILON ≈ <font> 03A5 Υ greek capital letter upsilon	1D70B	<b>π</b> MATHEMATICAL ITALIC SMALL PI ≈ <font> 03C0 π greek small letter pi
1D6F7	<b>Φ</b> MATHEMATICAL ITALIC CAPITAL PHI ≈ <font> 03A6 Φ greek capital letter phi	1D70C	<b>ρ</b> MATHEMATICAL ITALIC SMALL RHO ≈ <font> 03C1 ρ greek small letter rho
1D6F8	<b>Χ</b> MATHEMATICAL ITALIC CAPITAL CHI ≈ <font> 03A7 Χ greek capital letter chi	1D70D	<b>ς</b> MATHEMATICAL ITALIC SMALL FINAL SIGMA ≈ <font> 03C2 ς greek small letter final sigma
1D6F9	<b>Ψ</b> MATHEMATICAL ITALIC CAPITAL PSI ≈ <font> 03A8 Ψ greek capital letter psi	1D70E	<b>σ</b> MATHEMATICAL ITALIC SMALL SIGMA ≈ <font> 03C3 σ greek small letter sigma
1D6FA	<b>Ω</b> MATHEMATICAL ITALIC CAPITAL OMEGA ≈ <font> 03A9 Ω greek capital letter omega	1D70F	<b>τ</b> MATHEMATICAL ITALIC SMALL TAU ≈ <font> 03C4 τ greek small letter tau
1D6FB	<b>∇</b> MATHEMATICAL ITALIC NABLA ≈ <font> 2207 ∇ nabla	1D710	<b>υ</b> MATHEMATICAL ITALIC SMALL UPSILON ≈ <font> 03C5 υ greek small letter upsilon
1D6FC	<b>α</b> MATHEMATICAL ITALIC SMALL ALPHA ≈ <font> 03B1 α greek small letter alpha	1D711	<b>φ</b> MATHEMATICAL ITALIC SMALL PHI ≈ <font> 03C6 φ greek small letter phi
1D6FD	<b>β</b> MATHEMATICAL ITALIC SMALL BETA ≈ <font> 03B2 β greek small letter beta	1D712	<b>χ</b> MATHEMATICAL ITALIC SMALL CHI ≈ <font> 03C7 χ greek small letter chi
1D6FE	<b>γ</b> MATHEMATICAL ITALIC SMALL GAMMA ≈ <font> 03B3 γ greek small letter gamma	1D713	<b>ψ</b> MATHEMATICAL ITALIC SMALL PSI ≈ <font> 03C8 ψ greek small letter psi
1D6FF	<b>δ</b> MATHEMATICAL ITALIC SMALL DELTA ≈ <font> 03B4 δ greek small letter delta	1D714	<b>ω</b> MATHEMATICAL ITALIC SMALL OMEGA ≈ <font> 03C9 ω greek small letter omega
1D700	<b>ε</b> MATHEMATICAL ITALIC SMALL EPSILON ≈ <font> 03B5 ε greek small letter epsilon	<b>Additional italic Greek symbols</b>	
1D701	<b>ζ</b> MATHEMATICAL ITALIC SMALL ZETA ≈ <font> 03B6 ζ greek small letter zeta	1D715	<b>∂</b> MATHEMATICAL ITALIC PARTIAL DIFFERENTIAL ≈ <font> 2202 ∂ partial differential
1D702	<b>η</b> MATHEMATICAL ITALIC SMALL ETA ≈ <font> 03B7 η greek small letter eta	1D716	<b>ε</b> MATHEMATICAL ITALIC EPSILON SYMBOL ≈ <font> 03F5 ε greek lunate epsilon symbol
		1D717	<b>ϑ</b> MATHEMATICAL ITALIC THETA SYMBOL ≈ <font> 03D1 ϑ greek theta symbol

1D718 **κ** MATHEMATICAL ITALIC KAPPA SYMBOL  
 ≈ <font> 03F0 κ greek kappa symbol

1D719 **φ** MATHEMATICAL ITALIC PHI SYMBOL  
 ≈ <font> 03D5 φ greek phi symbol

1D71A **ρ** MATHEMATICAL ITALIC RHO SYMBOL  
 ≈ <font> 03F1 ρ greek rho symbol

1D71B **π** MATHEMATICAL ITALIC PI SYMBOL  
 ≈ <font> 03D6 π greek pi symbol

**Bold italic Greek symbols**

1D71C **Α** MATHEMATICAL BOLD ITALIC CAPITAL ALPHA  
 ≈ <font> 0391 Α greek capital letter alpha

1D71D **Β** MATHEMATICAL BOLD ITALIC CAPITAL BETA  
 ≈ <font> 0392 Β greek capital letter beta

1D71E **Γ** MATHEMATICAL BOLD ITALIC CAPITAL GAMMA  
 ≈ <font> 0393 Γ greek capital letter gamma

1D71F **Δ** MATHEMATICAL BOLD ITALIC CAPITAL DELTA  
 ≈ <font> 0394 Δ greek capital letter delta

1D720 **Ε** MATHEMATICAL BOLD ITALIC CAPITAL EPSILON  
 ≈ <font> 0395 Ε greek capital letter epsilon

1D721 **Ζ** MATHEMATICAL BOLD ITALIC CAPITAL ZETA  
 ≈ <font> 0396 Ζ greek capital letter zeta

1D722 **Η** MATHEMATICAL BOLD ITALIC CAPITAL ETA  
 ≈ <font> 0397 Η greek capital letter eta

1D723 **Θ** MATHEMATICAL BOLD ITALIC CAPITAL THETA  
 ≈ <font> 0398 Θ greek capital letter theta

1D724 **Ι** MATHEMATICAL BOLD ITALIC CAPITAL IOTA  
 ≈ <font> 0399 Ι greek capital letter iota

1D725 **Κ** MATHEMATICAL BOLD ITALIC CAPITAL KAPPA  
 ≈ <font> 039A Κ greek capital letter kappa

1D726 **Λ** MATHEMATICAL BOLD ITALIC CAPITAL LAMDA  
 ≈ <font> 039B Λ greek capital letter lamda

1D727 **Μ** MATHEMATICAL BOLD ITALIC CAPITAL MU  
 ≈ <font> 039C Μ greek capital letter mu

1D728 **Ν** MATHEMATICAL BOLD ITALIC CAPITAL NU  
 ≈ <font> 039D Ν greek capital letter nu

1D729 **Ξ** MATHEMATICAL BOLD ITALIC CAPITAL XI  
 ≈ <font> 039E Ξ greek capital letter xi

1D72A **Ο** MATHEMATICAL BOLD ITALIC CAPITAL OMICRON  
 ≈ <font> 039F Ο greek capital letter omicron

1D72B **Π** MATHEMATICAL BOLD ITALIC CAPITAL PI  
 ≈ <font> 03A0 Π greek capital letter pi

1D72C **Ρ** MATHEMATICAL BOLD ITALIC CAPITAL RHO  
 ≈ <font> 03A1 Ρ greek capital letter rho

1D72D **Θ** MATHEMATICAL BOLD ITALIC CAPITAL THETA SYMBOL  
 ≈ <font> 03F4 Θ greek capital theta symbol

1D72E **Σ** MATHEMATICAL BOLD ITALIC CAPITAL SIGMA  
 ≈ <font> 03A3 Σ greek capital letter sigma

1D72F **Τ** MATHEMATICAL BOLD ITALIC CAPITAL TAU  
 ≈ <font> 03A4 Τ greek capital letter tau

1D730 **Υ** MATHEMATICAL BOLD ITALIC CAPITAL UPSILON  
 ≈ <font> 03A5 Υ greek capital letter upsilon

1D731 **Φ** MATHEMATICAL BOLD ITALIC CAPITAL PHI  
 ≈ <font> 03A6 Φ greek capital letter phi

1D732 **Χ** MATHEMATICAL BOLD ITALIC CAPITAL CHI  
 ≈ <font> 03A7 Χ greek capital letter chi

1D733 **Ψ** MATHEMATICAL BOLD ITALIC CAPITAL PSI  
 ≈ <font> 03A8 Ψ greek capital letter psi

1D734 **Ω** MATHEMATICAL BOLD ITALIC CAPITAL OMEGA  
 ≈ <font> 03A9 Ω greek capital letter omega

1D735 **∇** MATHEMATICAL BOLD ITALIC NABLA  
 ≈ <font> 2207 ∇ nabla

1D736 **α** MATHEMATICAL BOLD ITALIC SMALL ALPHA  
 ≈ <font> 03B1 α greek small letter alpha

1D737 **β** MATHEMATICAL BOLD ITALIC SMALL BETA  
 ≈ <font> 03B2 β greek small letter beta

1D738 **γ** MATHEMATICAL BOLD ITALIC SMALL GAMMA  
 ≈ <font> 03B3 γ greek small letter gamma

1D739 **δ** MATHEMATICAL BOLD ITALIC SMALL DELTA  
 ≈ <font> 03B4 δ greek small letter delta

1D73A **ε** MATHEMATICAL BOLD ITALIC SMALL EPSILON  
 ≈ <font> 03B5 ε greek small letter epsilon

1D73B **ζ** MATHEMATICAL BOLD ITALIC SMALL ZETA  
 ≈ <font> 03B6 ζ greek small letter zeta

1D73C **η** MATHEMATICAL BOLD ITALIC SMALL ETA  
 ≈ <font> 03B7 η greek small letter eta

1D73D **θ** MATHEMATICAL BOLD ITALIC SMALL THETA  
 ≈ <font> 03B8 θ greek small letter theta

1D73E	<b>ι</b>	MATHEMATICAL BOLD ITALIC SMALL IOTA ≈ <font> 03B9 ι greek small letter iota
1D73F	<b>κ</b>	MATHEMATICAL BOLD ITALIC SMALL KAPPA ≈ <font> 03BA κ greek small letter kappa
1D740	<b>λ</b>	MATHEMATICAL BOLD ITALIC SMALL LAMDA ≈ <font> 03BB λ greek small letter lamda
1D741	<b>μ</b>	MATHEMATICAL BOLD ITALIC SMALL MU ≈ <font> 03BC μ greek small letter mu
1D742	<b>ν</b>	MATHEMATICAL BOLD ITALIC SMALL NU ≈ <font> 03BD ν greek small letter nu
1D743	<b>ξ</b>	MATHEMATICAL BOLD ITALIC SMALL XI ≈ <font> 03BE ξ greek small letter xi
1D744	<b>ο</b>	MATHEMATICAL BOLD ITALIC SMALL OMICRON ≈ <font> 03BF ο greek small letter omicron
1D745	<b>π</b>	MATHEMATICAL BOLD ITALIC SMALL PI ≈ <font> 03C0 π greek small letter pi
1D746	<b>ρ</b>	MATHEMATICAL BOLD ITALIC SMALL RHO ≈ <font> 03C1 ρ greek small letter rho
1D747	<b>ς</b>	MATHEMATICAL BOLD ITALIC SMALL FINAL SIGMA ≈ <font> 03C2 ς greek small letter final sigma
1D748	<b>σ</b>	MATHEMATICAL BOLD ITALIC SMALL SIGMA ≈ <font> 03C3 σ greek small letter sigma
1D749	<b>τ</b>	MATHEMATICAL BOLD ITALIC SMALL TAU ≈ <font> 03C4 τ greek small letter tau
1D74A	<b>υ</b>	MATHEMATICAL BOLD ITALIC SMALL UPSILON ≈ <font> 03C5 υ greek small letter upsilon
1D74B	<b>φ</b>	MATHEMATICAL BOLD ITALIC SMALL PHI ≈ <font> 03C6 φ greek small letter phi
1D74C	<b>χ</b>	MATHEMATICAL BOLD ITALIC SMALL CHI ≈ <font> 03C7 χ greek small letter chi
1D74D	<b>ψ</b>	MATHEMATICAL BOLD ITALIC SMALL PSI ≈ <font> 03C8 ψ greek small letter psi
1D74E	<b>ω</b>	MATHEMATICAL BOLD ITALIC SMALL OMEGA ≈ <font> 03C9 ω greek small letter omega

**Additional bold italic Greek symbols**

1D74F	<b>∂</b>	MATHEMATICAL BOLD ITALIC PARTIAL DIFFERENTIAL ≈ <font> 2202 ∂ partial differential
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1D750	<b>ε</b>	MATHEMATICAL BOLD ITALIC EPSILON SYMBOL ≈ <font> 03F5 ε greek lunate epsilon symbol
1D751	<b>θ</b>	MATHEMATICAL BOLD ITALIC THETA SYMBOL ≈ <font> 03D1 θ greek theta symbol
1D752	<b>κ</b>	MATHEMATICAL BOLD ITALIC KAPPA SYMBOL ≈ <font> 03F0 κ greek kappa symbol
1D753	<b>φ</b>	MATHEMATICAL BOLD ITALIC PHI SYMBOL ≈ <font> 03D5 φ greek phi symbol
1D754	<b>ρ</b>	MATHEMATICAL BOLD ITALIC RHO SYMBOL ≈ <font> 03F1 ρ greek rho symbol
1D755	<b>π</b>	MATHEMATICAL BOLD ITALIC PI SYMBOL ≈ <font> 03D6 π greek pi symbol

**Sans-serif bold Greek symbols**

1D756	<b>Α</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL ALPHA ≈ <font> 0391 Α greek capital letter alpha
1D757	<b>Β</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL BETA ≈ <font> 0392 Β greek capital letter beta
1D758	<b>Γ</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL GAMMA ≈ <font> 0393 Γ greek capital letter gamma
1D759	<b>Δ</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL DELTA ≈ <font> 0394 Δ greek capital letter delta
1D75A	<b>Ε</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL EPSILON ≈ <font> 0395 Ε greek capital letter epsilon
1D75B	<b>Ζ</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL ZETA ≈ <font> 0396 Ζ greek capital letter zeta
1D75C	<b>Η</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL ETA ≈ <font> 0397 Η greek capital letter eta
1D75D	<b>Θ</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL THETA ≈ <font> 0398 Θ greek capital letter theta
1D75E	<b>Ι</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL IOTA ≈ <font> 0399 Ι greek capital letter iota
1D75F	<b>Κ</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL KAPPA ≈ <font> 039A Κ greek capital letter kappa
1D760	<b>Λ</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL LAMDA ≈ <font> 039B Λ greek capital letter lamda
1D761	<b>Μ</b>	MATHEMATICAL SANS-SERIF BOLD CAPITAL MU ≈ <font> 039C Μ greek capital letter mu

1D762	<b>N</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL NU ≈ <font> 039D Ν greek capital letter nu	1D775	<b>ζ</b> MATHEMATICAL SANS-SERIF BOLD SMALL ZETA ≈ <font> 03B6 ζ greek small letter zeta
1D763	<b>Ξ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL XI ≈ <font> 039E Ξ greek capital letter xi	1D776	<b>η</b> MATHEMATICAL SANS-SERIF BOLD SMALL ETA ≈ <font> 03B7 η greek small letter eta
1D764	<b>Ο</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL OMICRON ≈ <font> 039F Ο greek capital letter omicron	1D777	<b>Θ</b> MATHEMATICAL SANS-SERIF BOLD SMALL THETA ≈ <font> 03B8 θ greek small letter theta
1D765	<b>Π</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL PI ≈ <font> 03A0 Π greek capital letter pi	1D778	<b>Ι</b> MATHEMATICAL SANS-SERIF BOLD SMALL IOTA ≈ <font> 03B9 ι greek small letter iota
1D766	<b>Ρ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL RHO ≈ <font> 03A1 Ρ greek capital letter rho	1D779	<b>Κ</b> MATHEMATICAL SANS-SERIF BOLD SMALL KAPPA ≈ <font> 03BA κ greek small letter kappa
1D767	<b>Θ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL THETA SYMBOL ≈ <font> 03F4 Θ greek capital theta symbol	1D77A	<b>Λ</b> MATHEMATICAL SANS-SERIF BOLD SMALL LAMDA ≈ <font> 03BB λ greek small letter lamda
1D768	<b>Σ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL SIGMA ≈ <font> 03A3 Σ greek capital letter sigma	1D77B	<b>Μ</b> MATHEMATICAL SANS-SERIF BOLD SMALL MU ≈ <font> 03BC μ greek small letter mu
1D769	<b>Τ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL TAU ≈ <font> 03A4 Τ greek capital letter tau	1D77C	<b>Ν</b> MATHEMATICAL SANS-SERIF BOLD SMALL NU ≈ <font> 03BD ν greek small letter nu
1D76A	<b>Υ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL UPSILON ≈ <font> 03A5 Υ greek capital letter upsilon	1D77D	<b>Ξ</b> MATHEMATICAL SANS-SERIF BOLD SMALL XI ≈ <font> 03BE ξ greek small letter xi
1D76B	<b>Φ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL PHI ≈ <font> 03A6 Φ greek capital letter phi	1D77E	<b>Ο</b> MATHEMATICAL SANS-SERIF BOLD SMALL OMICRON ≈ <font> 03BF ο greek small letter omicron
1D76C	<b>Χ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL CHI ≈ <font> 03A7 Χ greek capital letter chi	1D77F	<b>Π</b> MATHEMATICAL SANS-SERIF BOLD SMALL PI ≈ <font> 03C0 π greek small letter pi
1D76D	<b>Ψ</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL PSI ≈ <font> 03A8 Ψ greek capital letter psi	1D780	<b>Ρ</b> MATHEMATICAL SANS-SERIF BOLD SMALL RHO ≈ <font> 03C1 ρ greek small letter rho
1D76E	<b>Ω</b> MATHEMATICAL SANS-SERIF BOLD CAPITAL OMEGA ≈ <font> 03A9 Ω greek capital letter omega	1D781	<b>ς</b> MATHEMATICAL SANS-SERIF BOLD SMALL FINAL SIGMA ≈ <font> 03C2 ς greek small letter final sigma
1D76F	<b>∇</b> MATHEMATICAL SANS-SERIF BOLD NABLA ≈ <font> 2207 ∇ nabla	1D782	<b>σ</b> MATHEMATICAL SANS-SERIF BOLD SMALL SIGMA ≈ <font> 03C3 σ greek small letter sigma
1D770	<b>α</b> MATHEMATICAL SANS-SERIF BOLD SMALL ALPHA ≈ <font> 03B1 α greek small letter alpha	1D783	<b>τ</b> MATHEMATICAL SANS-SERIF BOLD SMALL TAU ≈ <font> 03C4 τ greek small letter tau
1D771	<b>β</b> MATHEMATICAL SANS-SERIF BOLD SMALL BETA ≈ <font> 03B2 β greek small letter beta	1D784	<b>υ</b> MATHEMATICAL SANS-SERIF BOLD SMALL UPSILON ≈ <font> 03C5 υ greek small letter upsilon
1D772	<b>γ</b> MATHEMATICAL SANS-SERIF BOLD SMALL GAMMA ≈ <font> 03B3 γ greek small letter gamma	1D785	<b>φ</b> MATHEMATICAL SANS-SERIF BOLD SMALL PHI ≈ <font> 03C6 φ greek small letter phi
1D773	<b>δ</b> MATHEMATICAL SANS-SERIF BOLD SMALL DELTA ≈ <font> 03B4 δ greek small letter delta	1D786	<b>χ</b> MATHEMATICAL SANS-SERIF BOLD SMALL CHI ≈ <font> 03C7 χ greek small letter chi
1D774	<b>ε</b> MATHEMATICAL SANS-SERIF BOLD SMALL EPSILON ≈ <font> 03B5 ε greek small letter epsilon	1D787	<b>ψ</b> MATHEMATICAL SANS-SERIF BOLD SMALL PSI ≈ <font> 03C8 ψ greek small letter psi

1D788 **ω** MATHEMATICAL SANS-SERIF BOLD  
SMALL OMEGA  
≈ <font> 03C9 ω greek small letter omega

### Additional Sans-serif bold Greek symbols

1D789 **∂** MATHEMATICAL SANS-SERIF BOLD  
PARTIAL DIFFERENTIAL  
≈ <font> 2202 ∂ partial differential

1D78A **ε** MATHEMATICAL SANS-SERIF BOLD  
EPSILON SYMBOL  
≈ <font> 03F5 ε greek lunate epsilon  
symbol

1D78B **θ** MATHEMATICAL SANS-SERIF BOLD  
THETA SYMBOL  
≈ <font> 03D1 θ greek theta symbol

1D78C **κ** MATHEMATICAL SANS-SERIF BOLD  
KAPPA SYMBOL  
≈ <font> 03F0 κ greek kappa symbol

1D78D **φ** MATHEMATICAL SANS-SERIF BOLD  
PHI SYMBOL  
≈ <font> 03D5 φ greek phi symbol

1D78E **ρ** MATHEMATICAL SANS-SERIF BOLD  
RHO SYMBOL  
≈ <font> 03F1 ρ greek rho symbol

1D78F **π** MATHEMATICAL SANS-SERIF BOLD  
PI SYMBOL  
≈ <font> 03D6 π greek pi symbol

### Sans-serif bold italic Greek symbols

1D790 **Α** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL ALPHA  
≈ <font> 0391 Α greek capital letter alpha

1D791 **Β** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL BETA  
≈ <font> 0392 Β greek capital letter beta

1D792 **Γ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL GAMMA  
≈ <font> 0393 Γ greek capital letter gamma

1D793 **Δ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL DELTA  
≈ <font> 0394 Δ greek capital letter delta

1D794 **Ε** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL EPSILON  
≈ <font> 0395 Ε greek capital letter epsilon

1D795 **Ζ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL ZETA  
≈ <font> 0396 Ζ greek capital letter zeta

1D796 **Η** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL ETA  
≈ <font> 0397 Η greek capital letter eta

1D797 **Θ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL THETA  
≈ <font> 0398 Θ greek capital letter theta

1D798 **Ι** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL IOTA  
≈ <font> 0399 Ι greek capital letter iota

1D799 **Κ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL KAPPA  
≈ <font> 039A Κ greek capital letter kappa

1D79A **Λ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL LAMDA  
≈ <font> 039B Λ greek capital letter lamda

1D79B **Μ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL MU  
≈ <font> 039C Μ greek capital letter mu

1D79C **Ν** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL NU  
≈ <font> 039D Ν greek capital letter nu

1D79D **Ξ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL XI  
≈ <font> 039E Ξ greek capital letter xi

1D79E **Ο** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL OMICRON  
≈ <font> 039F Ο greek capital letter  
omicron

1D79F **Π** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL PI  
≈ <font> 03A0 Π greek capital letter pi

1D7A0 **Ρ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL RHO  
≈ <font> 03A1 Ρ greek capital letter rho

1D7A1 **Θ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL THETA SYMBOL  
≈ <font> 03F4 Θ greek capital theta symbol

1D7A2 **Σ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL SIGMA  
≈ <font> 03A3 Σ greek capital letter sigma

1D7A3 **Τ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL TAU  
≈ <font> 03A4 Τ greek capital letter tau

1D7A4 **Υ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL UPSILON  
≈ <font> 03A5 Υ greek capital letter upsilon

1D7A5 **Φ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL PHI  
≈ <font> 03A6 Φ greek capital letter phi

1D7A6 **Χ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL CHI  
≈ <font> 03A7 Χ greek capital letter chi

1D7A7 **Ψ** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL PSI  
≈ <font> 03A8 Ψ greek capital letter psi

1D7A8 **Ω** MATHEMATICAL SANS-SERIF BOLD  
ITALIC CAPITAL OMEGA  
≈ <font> 03A9 Ω greek capital letter omega

1D7A9 **∇** MATHEMATICAL SANS-SERIF BOLD  
ITALIC NABLA  
≈ <font> 2207 ∇ nabla

1D7AA **α** MATHEMATICAL SANS-SERIF BOLD  
ITALIC SMALL ALPHA  
≈ <font> 03B1 α greek small letter alpha

1D7AB **β** MATHEMATICAL SANS-SERIF BOLD  
ITALIC SMALL BETA  
≈ <font> 03B2 β greek small letter beta

1D7AC **γ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL GAMMA  
 ≈ <font> 03B3 γ greek small letter gamma

1D7AD **δ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL DELTA  
 ≈ <font> 03B4 δ greek small letter delta

1D7AE **ε** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL EPSILON  
 ≈ <font> 03B5 ε greek small letter epsilon

1D7AF **ζ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ZETA  
 ≈ <font> 03B6 ζ greek small letter zeta

1D7B0 **η** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ETA  
 ≈ <font> 03B7 η greek small letter eta

1D7B1 **θ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL THETA  
 ≈ <font> 03B8 θ greek small letter theta

1D7B2 **ι** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL IOTA  
 ≈ <font> 03B9 ι greek small letter iota

1D7B3 **κ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL KAPPA  
 ≈ <font> 03BA κ greek small letter kappa

1D7B4 **λ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL LAMDA  
 ≈ <font> 03BB λ greek small letter lamda

1D7B5 **μ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL MU  
 ≈ <font> 03BC μ greek small letter mu

1D7B6 **ν** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL NU  
 ≈ <font> 03BD ν greek small letter nu

1D7B7 **ξ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL XI  
 ≈ <font> 03BE ξ greek small letter xi

1D7B8 **ο** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL OMICRON  
 ≈ <font> 03BF ο greek small letter omicron

1D7B9 **π** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PI  
 ≈ <font> 03C0 π greek small letter pi

1D7BA **ρ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL RHO  
 ≈ <font> 03C1 ρ greek small letter rho

1D7BB **ς** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL FINAL SIGMA  
 ≈ <font> 03C2 ς greek small letter final sigma

1D7BC **σ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL SIGMA  
 ≈ <font> 03C3 σ greek small letter sigma

1D7BD **τ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL TAU  
 ≈ <font> 03C4 τ greek small letter tau

1D7BE **υ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL UPSILON  
 ≈ <font> 03C5 υ greek small letter upsilon

1D7BF **φ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PHI  
 ≈ <font> 03C6 φ greek small letter phi

1D7C0 **χ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL CHI  
 ≈ <font> 03C7 χ greek small letter chi

1D7C1 **ψ** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PSI  
 ≈ <font> 03C8 ψ greek small letter psi

1D7C2 **ω** MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL OMEGA  
 ≈ <font> 03C9 ω greek small letter omega

### Additional Sans-serif bold italic Greek symbols

1D7C3 **∂** MATHEMATICAL SANS-SERIF BOLD ITALIC PARTIAL DIFFERENTIAL  
 ≈ <font> 2202 ∂ partial differential

1D7C4 **ε** MATHEMATICAL SANS-SERIF BOLD ITALIC EPSILON SYMBOL  
 ≈ <font> 03F5 ε greek lunate epsilon symbol

1D7C5 **θ** MATHEMATICAL SANS-SERIF BOLD ITALIC THETA SYMBOL  
 ≈ <font> 03D1 θ greek theta symbol

1D7C6 **κ** MATHEMATICAL SANS-SERIF BOLD ITALIC KAPPA SYMBOL  
 ≈ <font> 03F0 κ greek kappa symbol

1D7C7 **φ** MATHEMATICAL SANS-SERIF BOLD ITALIC PHI SYMBOL  
 ≈ <font> 03D5 φ greek phi symbol

1D7C8 **ρ** MATHEMATICAL SANS-SERIF BOLD ITALIC RHO SYMBOL  
 ≈ <font> 03F1 ρ greek rho symbol

1D7C9 **π** MATHEMATICAL SANS-SERIF BOLD ITALIC PI SYMBOL  
 ≈ <font> 03D6 π greek pi symbol

### Bold digits

1D7CE **0** MATHEMATICAL BOLD DIGIT ZERO  
 ≈ <font> 0030 0 digit zero

1D7CF **1** MATHEMATICAL BOLD DIGIT ONE  
 ≈ <font> 0031 1 digit one

1D7D0 **2** MATHEMATICAL BOLD DIGIT TWO  
 ≈ <font> 0032 2 digit two

1D7D1 **3** MATHEMATICAL BOLD DIGIT THREE  
 ≈ <font> 0033 3 digit three

1D7D2 **4** MATHEMATICAL BOLD DIGIT FOUR  
 ≈ <font> 0034 4 digit four

1D7D3 **5** MATHEMATICAL BOLD DIGIT FIVE  
 ≈ <font> 0035 5 digit five

1D7D4 **6** MATHEMATICAL BOLD DIGIT SIX  
 ≈ <font> 0036 6 digit six

1D7D5 **7** MATHEMATICAL BOLD DIGIT SEVEN  
 ≈ <font> 0037 7 digit seven

1D7D6 **8** MATHEMATICAL BOLD DIGIT EIGHT  
 ≈ <font> 0038 8 digit eight

1D7D7 9 MATHEMATICAL BOLD DIGIT NINE  
 ≈ <font> 0039 9 digit nine

### Double-struck digits

1D7D8 0 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT ZERO  
 ≈ <font> 0030 0 digit zero

1D7D9 1 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT ONE  
 ≈ <font> 0031 1 digit one

1D7DA 2 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT TWO  
 ≈ <font> 0032 2 digit two

1D7DB 3 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT THREE  
 ≈ <font> 0033 3 digit three

1D7DC 4 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT FOUR  
 ≈ <font> 0034 4 digit four

1D7DD 5 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT FIVE  
 ≈ <font> 0035 5 digit five

1D7DE 6 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT SIX  
 ≈ <font> 0036 6 digit six

1D7DF 7 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT SEVEN  
 ≈ <font> 0037 7 digit seven

1D7E0 8 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT EIGHT  
 ≈ <font> 0038 8 digit eight

1D7E1 9 MATHEMATICAL DOUBLE-STRUCK  
 DIGIT NINE  
 ≈ <font> 0039 9 digit nine

### Sans-serif digits

1D7E2 0 MATHEMATICAL SANS-SERIF DIGIT  
 ZERO  
 ≈ <font> 0030 0 digit zero

1D7E3 1 MATHEMATICAL SANS-SERIF DIGIT  
 ONE  
 ≈ <font> 0031 1 digit one

1D7E4 2 MATHEMATICAL SANS-SERIF DIGIT  
 TWO  
 ≈ <font> 0032 2 digit two

1D7E5 3 MATHEMATICAL SANS-SERIF DIGIT  
 THREE  
 ≈ <font> 0033 3 digit three

1D7E6 4 MATHEMATICAL SANS-SERIF DIGIT  
 FOUR  
 ≈ <font> 0034 4 digit four

1D7E7 5 MATHEMATICAL SANS-SERIF DIGIT  
 FIVE  
 ≈ <font> 0035 5 digit five

1D7E8 6 MATHEMATICAL SANS-SERIF DIGIT  
 SIX  
 ≈ <font> 0036 6 digit six

1D7E9 7 MATHEMATICAL SANS-SERIF DIGIT  
 SEVEN  
 ≈ <font> 0037 7 digit seven

1D7EA 8 MATHEMATICAL SANS-SERIF DIGIT  
 EIGHT  
 ≈ <font> 0038 8 digit eight

1D7EB 9 MATHEMATICAL SANS-SERIF DIGIT  
 NINE  
 ≈ <font> 0039 9 digit nine

### Sans-serif bold digits

1D7EC 0 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT ZERO  
 ≈ <font> 0030 0 digit zero

1D7ED 1 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT ONE  
 ≈ <font> 0031 1 digit one

1D7EE 2 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT TWO  
 ≈ <font> 0032 2 digit two

1D7EF 3 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT THREE  
 ≈ <font> 0033 3 digit three

1D7F0 4 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT FOUR  
 ≈ <font> 0034 4 digit four

1D7F1 5 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT FIVE  
 ≈ <font> 0035 5 digit five

1D7F2 6 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT SIX  
 ≈ <font> 0036 6 digit six

1D7F3 7 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT SEVEN  
 ≈ <font> 0037 7 digit seven

1D7F4 8 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT EIGHT  
 ≈ <font> 0038 8 digit eight

1D7F5 9 MATHEMATICAL SANS-SERIF BOLD  
 DIGIT NINE  
 ≈ <font> 0039 9 digit nine

### Monospace digits

1D7F6 0 MATHEMATICAL MONOSPACE DIGIT  
 ZERO  
 ≈ <font> 0030 0 digit zero

1D7F7 1 MATHEMATICAL MONOSPACE DIGIT  
 ONE  
 ≈ <font> 0031 1 digit one

1D7F8 2 MATHEMATICAL MONOSPACE DIGIT  
 TWO  
 ≈ <font> 0032 2 digit two

1D7F9 3 MATHEMATICAL MONOSPACE DIGIT  
 THREE  
 ≈ <font> 0033 3 digit three

1D7FA 4 MATHEMATICAL MONOSPACE DIGIT  
 FOUR  
 ≈ <font> 0034 4 digit four

- 1D7FB 5 MATHEMATICAL MONOSPACE DIGIT  
FIVE  
≈ <font> 0035 5 digit five
- 1D7FC 6 MATHEMATICAL MONOSPACE DIGIT  
SIX  
≈ <font> 0036 6 digit six
- 1D7FD 7 MATHEMATICAL MONOSPACE DIGIT  
SEVEN  
≈ <font> 0037 7 digit seven
- 1D7FE 8 MATHEMATICAL MONOSPACE DIGIT  
EIGHT  
≈ <font> 0038 8 digit eight
- 1D7FF 9 MATHEMATICAL MONOSPACE DIGIT  
NINE  
≈ <font> 0039 9 digit nine