

Supplemental Arrows-A

Range: 27F0–27FF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 17.0*.

This file may be changed at any time without notice to reflect errata, or other updates to the Unicode Standard.

See <https://www.unicode.org/errata/> for an up-to-date list of errata.

See <https://www.unicode.org/charts/> for access to a complete list of the latest character code charts. See <https://www.unicode.org/charts/PDF/Unicode-17.0/> for charts showing only the characters added in Unicode 17.0. See <https://www.unicode.org/Public/17.0.0/charts/> for a complete archived file of character code charts for Unicode 17.0. See <https://www.unicode.org/charts/About.html#Conventions> for conventions used in these code charts, and other general information.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 17.0 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of *The Unicode Standard, Version 17.0*, online at <https://www.unicode.org/versions/Unicode17.0.0/>, as well as the *Unicode Standard Annexes*, the other *Unicode Technical Reports* and *Standards*, and the *Unicode Character Database*, which are available online.

See <https://www.unicode.org/ucd/> and <https://www.unicode.org/reports/>

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

Fonts

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

See <https://www.unicode.org/charts/fonts.html> for a list.

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	27F
0	27F0
1	27F1
2	27F2
3	27F3
4	27F4
5	27F5
6	27F6
7	27F7
8	27F8
9	27F9
A	27FA
B	27FB
C	27FC
D	27FD
E	27FE
F	27FF

Arrows

- | | | |
|------|-----|---|
| 27F0 | ↑↑↑ | UPWARDS QUADRUPLE ARROW
→ 290A ↑↑↑ upwards triple arrow
→ 2B45 ←←← leftwards quadruple arrow |
| 27F1 | ↓↓↓ | DOWNTOWARDS QUADRUPLE ARROW
→ 290B ↓↓↓ downwards triple arrow |
| 27F2 | ○○○ | ANTICLOCKWISE GAPPED CIRCLE ARROW
→ 21BA ○○○ anticlockwise open circle arrow
→ 2940 ○○○ anticlockwise closed circle arrow |
| 27F3 | ○○○ | CLOCKWISE GAPPED CIRCLE ARROW
→ 21BB ○○○ clockwise open circle arrow
→ 2941 ○○○ clockwise closed circle arrow |
| 27F4 | ⊕⊕⊕ | RIGHT ARROW WITH CIRCLED PLUS
→ 2B32 ⊕⊕⊕ left arrow with circled plus |

Long arrows

The long arrows are used for mapping whereas the short forms would be used in limits. They are also needed for MathML to complete mapping to the AMSA sets. Long arrows for chemical reactions constitute a set as follows: 27F5-27F7, 1F8D0-1F8D8.

- | | | |
|------|------|---|
| 27F5 | ← | LONG LEFTWARDS ARROW
→ 2190 ← leftwards arrow |
| 27F6 | → | LONG RIGHTWARDS ARROW
→ 2192 → rightwards arrow |
| 27F7 | ↔ | LONG LEFT RIGHT ARROW
→ 2194 ↔ left right arrow |
| 27F8 | ⇐ | LONG LEFTWARDS DOUBLE ARROW
→ 21D0 ⇐ leftwards double arrow |
| 27F9 | ⇒ | LONG RIGHTWARDS DOUBLE ARROW
→ 21D2 ⇒ rightwards double arrow |
| 27FA | ↔ | LONG LEFT RIGHT DOUBLE ARROW
→ 21D4 ⇫ left right double arrow |
| 27FB | ⟵ | LONG LEFTWARDS ARROW FROM BAR
= maps from
→ 21A4 ← leftwards arrow from bar |
| 27FC | ⟶ | LONG RIGHTWARDS ARROW FROM BAR
= maps to
→ 21A6 ↔ rightwards arrow from bar |
| 27FD | ⇐ | LONG LEFTWARDS DOUBLE ARROW FROM BAR
→ 2906 ⇐ leftwards double arrow from bar |
| 27FE | ⇒ | LONG RIGHTWARDS DOUBLE ARROW FROM BAR
→ 2907 ⇒ rightwards double arrow from bar |
| 27FF | ~~~~ | LONG RIGHTWARDS SQUIGGLE ARROW
→ 21DD ~~ rightwards squiggle arrow
→ 2B33 ~~~ long leftwards squiggle arrow |