# 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 5.0.* 

This file may be changed at any time without notice to reflect errata or other updates to the Unicode Standard. See http://www.unicode.org/errata/ for an up-to-date list of errata.

See http://www.unicode.org/charts/ for access to a complete list of the latest character code charts. See http://www.unicode.org/charts/PDF/Unicode-5.0/ for charts showing only the characters added in Unicode 5.0. See http://www.unicode.org/Public/5.0.0/charts/ for a complete archived file of character code charts for Unicode 5.0.

## **Disclaimer**

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 5.0 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 5.0 (ISBN 0-321-48091-0), online at http://www.unicode.org/versions/Unicode5.0.0/, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, and #34, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available on-line.

See http://www.unicode.org/ucd/ and http://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. The particular fonts used in these charts were provided to the Unicode Consortium by a number of different font designers, who own the rights to the fonts.

See http://www.unicode.org/charts/fonts.html for a list.

### **Terms of Use**

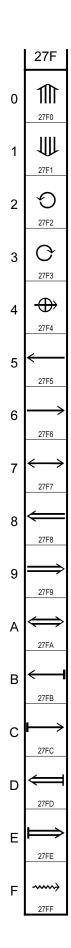
You may freely use these code charts for personal or internal business uses only. You may not incorporate them either wholly or in part into any product or publication, or otherwise distribute them without express written permission from the Unicode Consortium. However, you may provide links to these charts.

The fonts and font data used in production of these Code Charts may NOT be extracted, or used in any other way in any product or publication, without permission or license granted by the typeface owner(s).

The Unicode Consortium is not liable for errors or omissions in this file or the standard itself. Information on characters added to the Unicode Standard since the publication of the most recent version of the Unicode Standard, as well as on characters currently being considered for addition to the Unicode Standard can be found on the Unicode web site.

See http://www.unicode.org/pending/pending.html and http://www.unicode.org/alloc/Pipeline.html.

Copyright © 1991-2006 Unicode, Inc. All rights reserved.



## **Arrows**

- 27F0 1 UPWARDS QUADRUPLE ARROW

  → 290A 1 upwards triple arrow
- 27F1 ₩ DOWNWARDS QUADRUPLE ARROW → 290B ♥ downwards triple arrow
- 27F3 C CLOCKWISE GAPPED CIRCLE ARROW

  → 21BB U clockwise open circle arrow

  → 2941 O clockwise closed circle arrow
- 27F4 ⊕ RIGHT 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.

- 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
- $ightarrow 21A6 \mapsto \text{rightwards arrow from bar}$  27FD  $\iff$  LONG LEFTWARDS DOUBLE ARROW FROM
- EIFD 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