The wasy*symbol fonts for use with LaTeX 2ε

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1 Introduction

This file defines the package wasysym which makes some additional characters available that come from the wasy fonts (Waldis symbol fonts).

Warning: This style uses version 2 of the wasy-fonts. It is not 100 % compatible to the old version 1 from 1989. I have provided no compatibility mode for the old fonts! If some characters come out wrong or are missing, you have to upgrade.

Some of the symbols below can also be found in the EC fonts. Use the textcomp package to access these symbols. The textcomp package is part of the LaTeX 2ε distribution.

Other symbols are included in the AMS symbol fonts and can be accessed using either the amssymb or the amsfont package.

1.1 The math-commands

The following commands require mathmode.

\Join ⋈ \Box □ \Diamond ◇ \leadsto ⇝ \sqsubset ⊏
\sqsupset ⊐ \lhd ◁ \unlhd ⊴ \LHD ◀ \rhd ▷ \unrhd ⊵
\RHD ▶ \apprle ≲ \apprge ≳ \wasypropto ∝ \invneg ⌐
\ocircle ○ \logof ⊛ \varint ∫ \iint ∬ \iiint ∭
\varoint ∮ \oiint ∯

1.2 General symbol

\male ♂ \female ♀ \currency ¤ \phone ☎ \recorder ⌕
\clock ◷ \lightning ϟ \pointer ➪ \RIGHTarrow ▶
\LEFTarrow ◀ \UParrow ▲ \DOWNarrow ▼ \diameter ⌀
\invdiameter ⍉ \varangle ∢ \wasylozenge ⌑ \kreuz ✠
\smiley ☺ \frownie ☹ \blacksmiley ☻ \sun ☼ \checked ✓
\bell ♠ \ataribox ⚽ \cent ¢ \permil ‰ \brokenvert ¦
\wasytherefore ∴ \Bowtie ⋈ \agemO ℧

1.3 Electrical and physical symbols

\AC ∼ \HF ≈ \VHF ≋ \photon ∼∼∼∼ \gluon ∽∽∽∽∽

1.4 Polygons and Stars

\Square □ \XBox ⊠ \CheckedBox ☑ \hexagon ⬡
\varhexagon ⬡ \pentagon ⬠ \octagon ◯ \hexstar ✳
\varhexstar ✳ \davidsstar ✡

*wasy-font by Roland Waldi, Universität Karlsruhe, Germany, Copyright 1989, Version 2 Copyright 1992

1.5 Music notes

\eighthnote ♪ \quarternote ♩ \halfnote 𝅗𝅥 \fullnote 𝅝
\twonotes ♫

1.6 Various circles

\Circle ○ \CIRCLE ● \Leftcircle ◖ \LEFTCIRCLE ◖
\Rightcircle ◗ \RIGHTCIRCLE ◗ \LEFTcircle ◐
\RIGHTcircle ◑ \leftturn ↺ \rightturn ↻

1.7 Phonetic signs

\thorn þ \Thorn Þ \dh ð \DH Ð (The old \Dh command will go away in the next release.) \openo ɔ \inve ə

1.8 Astronomical symbols

\vernal ♈ \ascnode ☊ \descnode ☋ \fullmoon ○
\newmoon ● \leftmoon ☾ \rightmoon ☽ \astrosun ☉
\mercury ☿ \venus ♀ \earth ♁ \mars ♂ \jupiter ♃
\saturn ♄ \uranus ♅ \neptune ♆ \pluto ♇

1.9 Astrological symbols and the zodiacal symbols

\aries ♈ \taurus ♉ \gemini ♊ \cancer ♋ \leo ♌
\virgo ♍ \libra ♎ \scorpio ♏ \sagittarius ♐
\capricornus ♑ \aquarius ♒ \pisces ♓ \conjunction ☌
\opposition ☍

1.10 APL-symbols

\APLstar ⋆ \APLlog ⍟ \APLbox ⍞ \APLup ⍙
\APLdown ⍗ \APLinput ⍎ \APLcomment ⍝ \APLinv ⌹
\APLuparrowbox ⍐ \APLdownarrowbox ⍗ \APLleftarrowbox ⍇
\APLrightarrowbox ⍈ \notbackslash ⍀ \notslash ⌿ \APLnot⍲
\APLvert ⍕ \APLcirc ⍤ \APLminus ⍠