

The wasy*symbol fonts for use with L^AT_EX 2_ε

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1 Introduction

This file defines the package `wasysym` which makes some additional characters available that come from the `wasy` fonts (Waldi's 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 L^AT_EX 2_ε 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` ≳ `\wasympropto` ∝ `\invneg` ¬
`\ocircle` ○ `\logof` ⊗ `\varint` ∫ `\iint` ∫∫ `\iiint` ∫∫∫
`\varoint` ∮ `\oiint` ∯

1.2 General symbol

`\male` ♂ `\female` ♀ `\currency` ₤ `\phone` ☎ `\recorder` 📻
`\clock` ⌚ `\lightning` ⚡ `\pointer` ✎ `\RIGHTarrow` ➤
`\LEFTarrow` ➤ `\UParrow` ▲ `\DOWNarrow` ▼ `\diameter` ∅
`\invdiameter` ∅ `\varangle` ∠ `\wasymlozenge` ⬢ `\kreuz` ✕
`\smiley` ☺ `\frownie` ☹ `\blacksmiley` ☹ `\sun` ☼ `\checked` ✓
`\bell` 🔔 `\ataribox` ☒ `\cent` ¢ `\permil` ‰ `\brokenvert` !
`\wasymtherefore` ∴ `\Bowtie` ⋈ `\agem0` 0

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` ⬠ `\davidstar` ⬠

*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` ρ `\APLinv` ⊞
`\APLuparrowbox` ⬆ `\APLdownarrowbox` ⬇ `\APLleftarrowbox` ⬅
`\APLrightarrowbox` ➡ `\notbackslash` ⁄ `\notslash` ⁄ `\APLnot` ~
`\APLvert` | `\APLcirc` ○ `\APLminus` −