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## 1 Transcription: λογος, λογος

Text input using the Latin transliteration: In the PDF-bookmark are Latin letters instead of Greek ones.

## 2 Macros: λογος, λογος, λογος, λογος,

*Babel-Greek* or *textalpha* package with `\textalpha ... \textomega` macros; *alphabet* package with `\alpha ... \Omega` macros. With 8-bit TeX (pdf<sub>l</sub>atex), literal Greek Unicode characters are converted to LICR Macros, too.

Works, if the `unicode` or `pdfencoding=auto` option is given to *hyperref*.<sup>1</sup>

## 3 Kerning: ΑΥΛ ΑΥΛ ΑΥΛ

Kerning is impeded if the font encoding is switched for every single character. To fix this, wrap the Greek part in a command switching to a font encoding supporting Greek, either `\ensuregreek{...}` (with package *textalpha* or *Babel*) or `\foreignlanguage{greek}{...}` (with *Babel*).

## 4 Literal Unicode input

The following subsection headings contain all characters from the “Greek and Coptic” and “Greek Extended” Unicode Blocks that are supported by the LGR font encoding.

### 4.1 ‘,; ’ ^ ‘Α·Ε’Η’Τ’Ο’Υ’Ω’ΑΒΓΔΕΖΗΘΙΚΛΜΝ

### 4.2 ΞΟΠΡΣΤΥΦΧΨΩΪΫϞϠϡ

Greek and Coptic Unicode block: punctuation and uppercase letters

### 4.3 άέήίύαβγδεζηθικλμν

### 4.4 ξοπρςστυφχψωϊϋόύώβθφπρρττφλζ

Greek and Coptic Unicode block: lowercase letters

---

<sup>1</sup>With the “xpdf” viewer, Greek letters are not shown in PDF bookmarks.



## 5.1 Greek and Coptic

5.1.1 ‘, ;’ ^ ‘A’E’H’TO’Y’Ω’⊖ABΓΔΕΖΗΘΙΚΛΜΝ

5.1.2 ΞΟΠΡΣΤΥΦΧΨΩΪΫ

5.1.3 ἀέήίύαβγδεζηθικλμν

5.1.4 ξοπρςσττυφχψωϊϋόύώβθφπϙϞϟϠϡϢϣϤϥϦϧϨϩϫϬϭϮϯ

## 5.2 Greek Extended

5.2.1 ᾀᾁᾂᾃᾄᾅᾆᾇ ᾈᾉᾊᾋᾌᾍᾎᾏᾑᾒᾓᾔᾕ

5.2.2 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

5.2.3 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

5.2.4 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

5.2.5 ὀόῶῷῸΌ ὀῶῷῸΌ ὀῶῷῸΌ

5.2.6 ὀῶῷῸΌ ὀῶῷῸΌ ὀῶῷῸΌ

5.2.7 ὀῶῷῸΌ ὀῶῷῸΌ ὀῶῷῸΌ ὀῶῷῸΌ ὀῶῷῸΌ

5.2.8 ᾀᾁᾂᾃᾄᾅᾆᾇ ᾈᾉᾊᾋᾌᾍᾎᾏᾑᾒᾓᾔᾕ

5.2.9 ᾀᾁᾂᾃᾄᾅᾆᾇ ᾈᾉᾊᾋᾌᾍᾎᾏᾑᾒᾓᾔᾕ ᾈᾉᾊᾋᾌᾍᾎᾏᾑᾒᾓᾔᾕ

5.2.10 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

5.2.11 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

5.2.12 ᾀᾁᾂᾃᾄᾅᾆᾇ ᾈᾉᾊᾋᾌᾍᾎᾏᾑᾒᾓᾔᾕ ᾈᾉᾊᾋᾌᾍᾎᾏᾑᾒᾓᾔᾕ

5.2.13 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

5.2.14 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

5.2.15 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

5.2.16 ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏ ῀῁ῂῃῄ῅ῆ ῈΈῊΉῌ῍῎῏

## 6 Alias character names

6.1 Θεφςβθπκρ’μϞϟϠϡϢϣϤϥϦϧϨϩϫϬϭϮϯ

## 7 Makeuppercase

According to Greek typesetting conventions, diacritics (except the dialytika) are dropped in UPPERCASE.

The LaTeX `\Makeuppercase` implementation changed fundamentally with the release in 06/2022.<sup>2</sup> Since the change, `\Makeuppercase` is also supported

<sup>2</sup>This change cannot be reverted with the rollback mechanism “for technical reasons”.







## 8 Conclusion

For Greek text parts in section headers use either literal Unicode characters<sup>3</sup> or macros. For proper kerning und upcasing in the main document, set the text language of Greek text parts to `greek`. If you use polytonic Greek, set the `polutoniko` language attribute.

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<sup>3</sup>Combining Unicode characters do not work with `inputenc` and 8-bit LaTeX. (This is a general restriction.) Use pre-composed Unicode characters or accent macros for letters with diacritics.