

## LATEX SUPPORT FOR EREWHON

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*Erewhon* is a font package based largely on Andrey V. Panov's *Heuristica*, but with so many changes that it is no longer strictly compatible with that package, and is offered instead as an enhanced alternative. (*Heuristica* extended the *Utopia* font family made available by the T<sub>E</sub>X Users' Group, adding many accented glyphs, Cyrillic glyphs, ligatures, superior and oldstyle fixed-width figures in all styles, and Small Caps in Regular style only. It is widely distributed as a free font collection in OpenType, TrueType and Type1 formats.) *Erewhon* is provided in OpenType and Type1 formats with L<sub>A</sub>T<sub>E</sub>X support files in encodings T1, TS1, LY1, OT2, T2A, T2B and T2C. Changes made in the transition from *Heuristica* to *Erewhon* include:

- *slanted* as well as *Italic* shapes;
- **SMALL CAPS** in **BOLD** as well as **REGULAR** upright shapes, with *ITALIC* and *SLANTED SMALL CAPS* shapes from the slanted variants;
- expanded lookup tables in the .otf files for users of XeLaTeX and LuaLaTeX;
- a number of f-ligatures have been modified, and a T\_h ligature added;
- proportionally spaced figures (lining and oldstyle), adding to the existing tabold-style figures;
- full collections of superior lowercase letters (including è as ´e and é as ´é), mainly for the benefit of languages in which those are in common use—e.g., French, Spanish;
- size reduced by 6% from Heuristica, which matched the old version of Utopia—the new size matches that of Adobe's commercial UtopiaStd;
- shapes of some oldstyle figures modified to have more of an oldstyle appearance;
- fraction macros based on the new numerator and denominator figures: e.g., \textfrac{34}{73} renders as  $\frac{34}{73}$  and \textfrac[2]{17}{43} renders as  $\frac{17}{43}$ ;
- the bold upright face has been made less cramped.
- As of version 1.109, a Russian ruble glyph from Heuristica was added but is not accessible from LaTeX encodings. For LaTeX users, a \textruble command has

been added, built as a composite glyph built from a scaled down P and two rules, providing an approximation to the actual ruble glyph:  $\text{P}$ .

The newtx package has been modified, as of version 1.26, to offer a new option `utopia` (or, equivalently, `heuristica` or `erewhon`) that uses math italic glyphs taken from Utopia and oldstyle figures from *Erewhon*. Its slanted Greek alphabets are constructed from the txfonts slanted Greek letters by reducing their italic angle from  $15.5^\circ$  to  $13^\circ$ , matching Utopia's italic angle.

**Important Note:** Starting with version 1.10 (2019-11-04), the mathematical Greek glyphs are derived mainly from those in the `fourier` package.

For Erehon text and matching math, you can use<sup>1</sup>:

```
% load babel package and options before erewhon
\usepackage[p,osf,scaled=.98,space]{erewhon} % scaling by .98 not really necessary
\usepackage[varqu,varl]{inconsolata} % typewriter
\usepackage[type1,scaled=.95]{cabin} % sans serif like Gill Sans
\usepackage[utopia,vvarbb]{newtxmath}
```

The effect of the options `p,osf` is to force the default figure style in `erewhon` text to be proportional oldstyle 0123456789 while using lining figures 0123456789 in math mode. If no options are specified, tabular lining figures will be used throughout.

With the settings above, there is now almost no difference between its output and the output from the `fourier` package, except:

- the math axis using `fourier` will be about .03pt higher;
- rules and math symbols in `fourier` will be about 5% less thick.

#### OPTIONS AVAILABLE:

- The option `scaled` allows you to change the scale. E.g., if you want *Erewhon* to render at the same size as the original *Utopia* or *Heuristica*, use `scaled=1.064`.
- The option `proportional`, or, equivalently, `p`, specifies the use of proportional rather than the default tabular figures.
- The `space` option allows you to specify a factor by which to increase the interword spacing, which is, IMO, a bit tight.
- The option `oldstyle`, or, equivalently, `osf`, specifies oldstyle figures in text mode—math mode always uses tabular lining figures. By itself, `osf` results in tabular oldstyle figures unless you also specify the option `p`, or `proportional`.
- The option `scosf` changes the figure style to `osf` only within small caps.

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<sup>1</sup>There is most likely also a way to use `MathDesign` or `fourier` with at least partial compatibility.

- The option `ups` changes the footnote marker style to use the superior figures from *Erewhon* rather than the default superscripts based on reduced lining figures, which usually appear too light. (The `superiors` package offers further options.)

*Erewhon* is so austere for a text font and *Inconsolata* is so fancy for a typewriter font that you may find they blend together all too well. For more of a distinction replace the `inconsolata` line above with

```
\usepackage{zlmtt} % serifed typewriter font extending cmtt
```

As Utopia text is rather cramped, you might try applying a small amount of letterspacing (tracking) and increasing the interword spacing by means of the `microtype` package. As of version 1.08, this provides a number of ways to modify interword spacing by specifying one or more of the options described below. Erewhon word-spacing is governed by three quantities:

- `spacing` (default value `.211em`), `\fontdimen2` of the main text font.
- `stretch` (default value `1.055em`), `\fontdimen3` of the main text font.
- `shrink` (default value `.0703em`), `\fontdimen4` of the main text font.

(Note the use of `em` values rather than absolute values so that word spacing responds to scale changes.) You may modify these values individually or by setting a value for the option `space` or by specifying `looser` or `loosest`.

- Option `spacing=.24em` would change the spacing from `.211em` to `.24em`.
- Option `stretch=.14em` would change the stretch from `.1055em` to `.14em`.
- Option `shrink=.1em` would change the shrink from `.0703em` to `.1em`.
- Option `space=1.2` would multiply each word-spacing parameter by the factor `1.2`. (The option `space` with no value would result in a factor of `1.23`, leading to a spacing value of close to `.26em`. This documentation uses option `space` with no value specified.)
- Option `looser` would change the three parameters to `.25em`, `.125em`, `.1em` respectively.
- Option `loosest` would change the three parameters to `.28em`, `.125em`, `.13em` respectively.

SUPPLEMENTARY FIGURES AND ALPHABETS: Beginning with version 1.107, the `superiors` and `numerators` have been substantially revised along the following lines:

- The baseline for superior letters and figures has been uniformized at 356 units. (Recall that, like most TeX fonts, 100 units is equal to 1bp for 10pt typesetting.)
- The baseline for numerator figures has been uniformized at 256 units.

- A substantial number of superior letters and symbols have been added—see the table near the end of this document.
- The TS1 encoded (`textcomp`) coverage has been enriched and is now essentially full. In particular, this permits macros like `\textfractionsolidus` and `\textcircled` render using erewhon glyphs rather than Computer Modern glyphs. (Recall that if  $\text{\LaTeX}$  thinks the TS1 font lacks enough glyphs, it tries to make substitutions first from the OMS font, then from Computer Modern. As `newtxmath` lacks an OMS encoded font, the substitutions are made only from Computer Modern.)

MACROS:

- `\textlf` and `\texttlf` render their arguments in proportional and tabular lining figures respectively, no matter what the default figure style. E.g., `\textlf{345}` produces 345.
- `\textosf` and `\texttosf` render their arguments in proportional and tabular oldstyle figures respectively, no matter what the default figure style. For example, `\textosf{345}` produces 345.
- `\textsuf` renders its argument in superior figures, no matter what the default figure style. E.g., `\textsuf{345}` produces <sup>345</sup>.
- `\textinf` renders its argument in inferior figures, no matter what the default figure style. E.g., `\textinf{345}` produces <sub>345</sub>.
- `\textnu` renders its argument in numerator figures, no matter what the default figure style. E.g., `\textnu{345}` produces <sup>345</sup>.
- `\textde` renders its argument in denominator figures, no matter what the default figure style. E.g., `\textde{345}` produces <sub>345</sub>.
- `\textfrac` renders its two arguments as a vulgar fraction, using `\textnu` for the numerator and `\textde` for the denominator. E.g., `\textfrac{31}{64}` produces  $\frac{31}{64}$ .
- `\textcircled` renders its argument as a circled small uppercase letter. E.g., `\textcircled{q}` produces  $\textcircled{q}$ .

VERY BRIEF, NONSENSICAL MATH EXAMPLE:

Let  $B(X)$  be the set of blocks of  $\Lambda_X$  and let  $b(X) := |B(X)|$  so that  $\hat{b} = \sum_{Y \subset X} (-1)^{b(Y)} b(Y)$ .

ENHANCED MATHEMATICAL OPTIONS:

As of version 1.10, the `utopia` option to `newtxmath` enjoys enhanced status. Most importantly, this means that you can generate pdf output satisfying the PDF/A-1b standards. It means, in addition, that the option `subscriptcorrection` is available, permitting you to improve the spacing of subscripts by copying `newtx-erewhon-subs.tex` to your home `texmf` tree and modifying its entries. For details, consult Appendix 2 of `newtxdoc.pdf`, the documentation file for the `newtx` package.

**UNICODE TeX PROCESSING:**

There is a file in the distribution named `erewhon.fontspec` spelling out the file names of the Erewhon Opentype fonts, so for using Erewhon text, it is enough to write

```
\usepackage[no-math]{fontspec}  
\setmainfont{erewhon}
```

There are two stylistic sets available:

- `ss01` substitutes one.`[tab]oldstyle.alt` for one.`[tab]oldstyle`, the `.alt` form having the appearance of a shortened I.
- `ss02` changes the behavior of typesetting `uni1E9E`, German capital sharp s. The default is to use the new symbol. To change to the old for using SS and the like, set `ss02`.
- `ss03` changes the rendering of the Euro symbol from Erewhon's € to the official (sans) version.

**GREEK SYMBOLS IN THE OPENTYPE FONTS:**

As of version 1.103 (2020 – 03 – 19) the opentype text fonts contain the Greek symbols from the Fourier package, and also the symbols `Ohm` and `Ohminv`. This may be a temporary measure that will disappear after `fontspec` is able to fully mimic the capabilities of virtual fonts.

## GLYPH COVERAGE EXAMPLES

## Erewhon-Regular-tlf-t1

	ó	í	₂	₃	₄	₅	₆	₇	
‘00x	`_o	'_1	^_2	~_3	“_4	”_5	°_6	ˇ_7	"0x
‘01x	ˇ_8	-_9	·_10	,_11	‘_12	,_13	‘_14	›_15	"1x
‘02x	“_16	”_17	„_18	⟨_19	⟩_20	-_21	—_22	₂_23	"2x
‘03x	o_24	1_25	J_26	ff_27	fi_28	fl_29	ffi_30	ffl_31	"3x
‘04x	!_32	_33	"_34	#_35	\$_36	%_37	&_38	’_39	"4x
‘05x	(_40	)_41	*_42	+_43	,_44	-_45	._46	/_47	"5x
‘06x	0_48	1_49	2_50	3_51	4_52	5_53	6_54	7_55	"6x
‘07x	8_56	9_57	:_58	;_59	<_60	=_61	>_62	?_63	"7x
‘10x	@_64	A_65	B_66	C_67	D_68	E_69	F_70	G_71	"Ax
‘11x	H_72	I_73	J_74	K_75	L_76	M_77	N_78	O_79	"Cx
‘12x	P_80	Q_81	R_82	S_83	T_84	U_85	V_86	W_87	"Dx
‘13x	X_88	Y_89	Z_90	[_91	\_92	]_93	^_94	_95	"Ex
‘14x	‘_96	a_97	b_98	c_99	d_100	e_101	f_102	g_103	"Fx
‘15x	h_104	i_105	j_106	k_107	l_108	m_109	n_110	o_111	
‘16x	p_112	q_113	r_114	s_115	t_116	u_117	v_118	w_119	
‘17x	X_120	y_121	Z_122	{_123	_124	}_125	~_126	-_127	
‘20x	Ā_128	Ā_129	Ć_130	Ć_131	Đ_132	Ě_133	Ę_134	Ğ_135	
‘21x	Ł_136	Ł_137	Ł_138	Ń_139	Ń_140	়_141	Ӯ_142	Ҳ_143	
‘22x	Ř_144	Ś_145	Ś_146	Ş_147	Ŗ_148	Ŗ_149	ӭ_150	ӻ_151	
‘23x	Ŷ_152	Ž_153	Ž_154	Ž_155	Ĳ_156	ି_157	ଦ_158	ଶ_159	
‘24x	ă_160	ą_161	ć_162	č_163	đ_164	ě_165	ę_166	়_167	
‘25x	Í_168	ł_169	ł_170	ń_171	ň_172	়_173	ő_174	ି_175	
‘26x	ř_176	ś_177	ś_178	ş_179	Ŗ_180	Ŗ_181	ӭ_182	ӻ_183	
‘27x	ÿ_184	Ž_185	Ž_186	Ž_187	ij_188	ି_189	ଜ_190	ଫ_191	
‘30x	À_192	À_193	À_194	À_195	À_196	À_197	Æ_198	Ҫ_199	
‘31x	È_200	É_201	Ê_202	Ë_203	ି_204	ି_205	ି_206	ି_207	
‘32x	Đ_208	Ñ_209	Ò_210	Ó_211	Ô_212	Ӯ_213	Ӯ_214	OE_215	
‘33x	Ø_216	Ù_217	Ú_218	Û_219	Ü_220	Ý_221	ପ_222	SS_223	
‘34x	à_224	á_225	â_226	ã_227	ä_228	å_229	æ_230	ç_231	
‘35x	è_232	é_233	ê_234	ë_235	ି_236	ି_237	ି_238	ି_239	
‘36x	ð_240	ñ_241	ð_242	ó_243	ô_244	ö_245	ö_246	œ_247	
‘37x	ø_248	ù_249	ú_250	û_251	ü_252	ý_253	ପ_254	ି_255	
	"8	"9	"A	"B	"C	"D	"E	"F	

**Erewhon-Regular-tlf-sc-t1**

	‘0	‘1	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	` 0	‘ 1	^ 2	~ 3	.. 4	” 5	° 6	ˇ 7	”0x
‘01x	ˇ 8	ˉ 9	˙ 10	, 11	‘ 12	, 13	‘ 14	› 15	”1x
‘02x	“ 16	” 17	„ 18	« 19	» 20	— 21	— 22	— 23	”2x
‘03x	o 24	l 25	j 26	FF 27	FI 28	FL 29	FFI 30	FFL 31	
‘04x	— 32	! 33	” 34	# 35	\$ 36	% 37	& 38	’ 39	”2x
‘05x	( 40	) 41	* 42	+ 43	, 44	- 45	. 46	/ 47	
‘06x	0 48	l 49	2 50	3 51	4 52	5 53	6 54	7 55	”3x
‘07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	
‘10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	”4x
‘11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	
‘12x	P 80	Q 81	R 82	S 83	T 84	U 85	V 86	W 87	”5x
‘13x	X 88	Y 89	Z 90	[ 91	\ 92	] 93	^ 94	_ 95	
‘14x	‘ 96	A 97	B 98	C 99	D 100	E 101	F 102	G 103	”6x
‘15x	H 104	I 105	J 106	K 107	L 108	M 109	N 110	O 111	
‘16x	P 112	Q 113	R 114	S 115	T 116	U 117	V 118	W 119	”7x
‘17x	X 120	Y 121	Z 122	{ 123	124	} 125	~ 126	- 127	
‘20x	Ā 128	Ā 129	Ć 130	Ć 131	Đ 132	Ě 133	Ę 134	Ğ 135	”8x
‘21x	Ł 136	Ł 137	Ł 138	Ń 139	Ń 140	় 141	Ӯ 142	҆ 143	
‘22x	Ř 144	Ś 145	Ś 146	Ş 147	ڦ 148	ڻ 149	ڻ 150	ڻ 151	”9x
‘23x	Ŷ 152	Ž 153	Ž 154	Ž 155	Ĳ 156	ି 157	ଡ 158	ଶ 159	
‘24x	Ă 160	Ă 161	Ć 162	Ć 163	Đ 164	ශ 165	ශ 166	ශ 167	”Ax
‘25x	Ľ 168	Ľ 169	Ľ 170	Ń 171	Ń 172	ି 173	ଓ 174	ର 175	
‘26x	Ŗ 176	Ŗ 177	Ŗ 178	Ŗ 179	Ŗ 180	Ŗ 181	Ŗ 182	Ŗ 183	”Bx
‘27x	Ӯ 184	Ӯ 185	Ӯ 186	Ӯ 187	Ӯ 188	Ӯ 189	Ӯ 190	Ӯ 191	
‘30x	À 192	Á 193	Â 194	Ã 195	Ä 196	Å 197	Æ 198	Ҫ 199	”Cx
‘31x	È 200	É 201	Ê 202	Ë 203	ି 204	ି 205	ି 206	ି 207	
‘32x	Đ 208	܂ 209	܂ 210	܂ 211	܂ 212	܂ 213	܂ 214	܂ 215	”Dx
‘33x	܂ 216	܂ 217	܂ 218	܂ 219	܂ 220	܂ 221	܂ 222	܂ 223	
‘34x	܂ 224	܂ 225	܂ 226	܂ 227	܂ 228	܂ 229	܂ 230	܂ 231	”Ex
‘35x	܂ 232	܂ 233	܂ 234	܂ 235	܂ 236	܂ 237	܂ 238	܂ 239	
‘36x	܂ 240	܂ 241	܂ 242	܂ 243	܂ 244	܂ 245	܂ 246	܂ 247	”Fx
‘37x	܂ 248	܂ 249	܂ 250	܂ 251	܂ 252	܂ 253	܂ 254	܂ 255	
	”8	”9	”A	”B	”C	”D	”E	”F	

**Erewhon-Regular-tlf-ly1**

	‘o	‘i	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	fb 0	€ 1	fh 2	fj 3	/ 4	. 5	” 6	‘ 7	”0x
‘01x	fk 8	Th 9	10	ff 11	fi 12	fl 13	ffi 14	ffl 15	”1x
‘02x	1 16	J 17	‘ 18	‘ 19	‘ 20	‘ 21	‘ 22	‘ 23	”2x
‘03x	, 24	ſ 25	æ 26	œ 27	ø 28	Æ 29	Œ 30	Ø 31	”3x
‘04x	! 32	“ 33	” 34	# 35	\$ 36	% 37	& 38	’ 39	”4x
‘05x	( 40	) 41	* 42	+ 43	, 44	- 45	. 46	/ 47	”5x
‘06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	”6x
‘07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	”7x
‘10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	”8x
‘11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	”9x
‘12x	P 80	Q 81	R 82	S 83	T 84	U 85	V 86	W 87	”Ax
‘13x	X 88	Y 89	Z 90	[ 91	\ 92	] 93	^ 94	— 95	”Bx
‘14x	‘ 96	a 97	b 98	c 99	d 100	e 101	f 102	g 103	”Cx
‘15x	h 104	i 105	j 106	k 107	l 108	m 109	n 110	o 111	”Dx
‘16x	p 112	q 113	r 114	s 115	t 116	u 117	v 118	w 119	”Ex
‘17x	X 120	y 121	Z 122	{ 123	124	} 125	~ 126	“ 127	”Fx
‘20x	Ł 128	‘ 129	, 130	f 131	„ 132	... 133	† 134	‡ 135	
‘21x	^ 136	% 137	ſ 138	‘ 139	Œ 140	Ž 141	Λ 142	— 143	
‘22x	ł 144	‘ 145	’ 146	“ 147	” 148	• 149	— 150	— 151	
‘23x	~ 152	TM 153	ſ 154	› 155	œ 156	Ž 157	~ 158	Ŷ 159	
‘24x	160	¡ 161	¢ 162	£ 163	¤ 164	¥ 165	¦ 166	§ 167	
‘25x	“ 168	© 169	ª 170	« 171	¬ 172	- 173	® 174	¬ 175	
‘26x	º 176	± 177	² 178	³ 179	‘ 180	µ 181	¶ 182	· 183	
‘27x	, 184	¹ 185	º 186	» 187	¼ 188	½ 189	¾ 190	ȝ 191	
‘30x	À 192	Á 193	Â 194	Ã 195	Ä 196	Å 197	Æ 198	Ç 199	
‘31x	È 200	É 201	Ê 202	Ë 203	Ì 204	Í 205	Î 206	Ï 207	
‘32x	Ð 208	Ñ 209	Ò 210	Ó 211	Ô 212	Õ 213	Ö 214	× 215	
‘33x	Ø 216	Ù 217	Ú 218	Û 219	Ü 220	Ý 221	Þ 222	ß 223	
‘34x	à 224	á 225	â 226	ã 227	ä 228	å 229	æ 230	ç 231	
‘35x	è 232	é 233	ê 234	ë 235	ì 236	í 237	î 238	ï 239	
‘36x	ð 240	ñ 241	ò 242	ó 243	ô 244	õ 245	ö 246	÷ 247	
‘37x	ø 248	ù 249	ú 250	û 251	ü 252	ý 253	þ 254	ÿ 255	
	”8	”9	”A	”B	”C	”D	”E	”F	

**Erewhon-Regular-tlf-ts1**

	0	1	2	3	4	5	6	7	
'00x	~ o	~ 1	~ 2	~ 3	.. 4	.. 5	° 6	~ 7	"0x
'01x	~ 8	- 9	. 10	, 11	~ 12	, 13	14	15	"1x
'02x	16	17	,, 18	19	20	— 21	— 22	23	
'03x	← 24	→ 25	~ 26	~ 27	~ 28	~ 29	30	31	
'04x	b 32	33	34	35	\$ 36	37	38	~ 39	"2x
'05x	40	41	* 42	43	, 44	= 45	· 46	/ 47	
'06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	"3x
'07x	8 56	9 57	58	59	( 60	- 61	) 62	63	
'10x	64	65	66	67	68	69	70	71	"4x
'11x	72	73	74	75	76	U 77	78	O 79	
'12x	80	81	82	83	84	85	86	Ω 87	"5x
'13x	88	89	90	][ 91	92	][ 93	↑ 94	↓ 95	
'14x	~ 96	97	★ 98	0 0 99	† 100	101	102	103	"6x
'15x	104	105	106	107	leaf 108	∞ 109	110	111	
'16x	112	113	114	115	116	117	118	119	"7x
'17x	120	121	122	123	124	125	~ 126	= 127	
'20x	~ 128	~ 129	130	131	† 132	‡ 133	 134	% 00 135	"8x
'21x	• 136	°C 137	\$ 138	¢ 139	f 140	C 141	W 142	N 143	
'22x	G 144	P 145	£ 146	R 147	? 148	đ 149	đ 150	TM 151	"9x
'23x	% 000 152	¶ 153	B 154	No 155	% 156	E 157	◦ 158	SM 159	
'24x	[ 160	] 161	¢ 162	£ 163	¤ 164	¥ 165	 166	§ 167	"Ax
'25x	“ 168	© 169	a 170	© 171	¬ 172	⊕ 173	⊕ 174	¬ 175	
'26x	° 176	± 177	² 178	³ 179	‘ 180	µ 181	¶ 182	· 183	"Bx
'27x	※ 184	¹ 185	º 186	√ 187	¼ 188	½ 189	¾ 190	€ 191	
'32x	208	209	210	211	212	213	X 214	215	"Dx
'33x	216	217	218	219	220	221	222	223	
'36x	240	241	242	243	244	245	÷ 246	247	"Fx
'37x	248	249	250	251	252	253	254	255	
	"8	"9	"A	"B	"C	"D	"E	"F	

### Superior letters and figures: Erewhon-Regular-sup-t1

	‘0	‘1	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	ˋ 0	ˊ 1	^K 2	~ 3	“ 4	” 5	° 6	ˇ 7	"0x
‘01x	ˇ 8	ˉ 9	· 10	, 11	‘ 12	, 13	‘ 14	‘ 15	"1x
‘02x	“ 16	” 17	„ 18	‘‘ 19	‘‘ 20	— 21	— 22	— 23	"2x
‘03x	o 24	1 25	J 26	27	28	29	30	31	"3x
‘04x	— 32	! 33	” 34	# 35	\$ 36	% 37	& 38	’ 39	"4x
‘05x	( 40	) 41	* 42	+ 43	’ 44	- 45	· 46	/ 47	"5x
‘06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	"6x
‘07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	"7x
‘10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	"8x
‘11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	"9x
‘12x	P 80	Q 81	R 82	S 83	T 84	U 85	V 86	W 87	"Ax
‘13x	X 88	Y 89	Z 90	[ 91	\ 92	] 93	^ 94	_ 95	"Cx
‘14x	‘ 96	a 97	b 98	c 99	d 100	e 101	f 102	g 103	"Dx
‘15x	h 104	i 105	j 106	k 107	l 108	m 109	n 110	o 111	"Ex
‘16x	p 112	q 113	r 114	s 115	t 116	u 117	v 118	w 119	"Fx
‘17x	x 120	y 121	z 122	{ 123	124	} 125	~ 126	- 127	
‘20x	Ā 128	Ā 129	Ć 130	Ć 131	Đ 132	Đ 133	Ē 134	Ě 135	
‘21x	Ł 136	Ł 137	Ł 138	Ń 139	Ń 140	Ń 141	Ő 142	Ŕ 143	
‘22x	Ř 144	Ř 145	Š 146	Š 147	Ť 148	Ť 149	Ű 150	Ů 151	
‘23x	Ŷ 152	Ž 153	Ž 154	Ž 155	Ĳ 156	Ĳ 157	đ 158	ſ 159	
‘24x	ă 160	ă 161	ć 162	ć 163	đ 164	ě 165	ę 166	gó 167	
‘25x	í 168	í 169	ł 170	ń 171	ň 172	ń 173	ó 174	ŕ 175	
‘26x	ř 176	ř 177	š 178	š 179	ť 180	ť 181	ú 182	ů 183	
‘27x	ÿ 184	ž 185	ž 186	ž 187	ij 188	i 189	ž 190	ł 191	
‘30x	À 192	À 193	À 194	À 195	Ä 196	Ä 197	Æ 198	Ç 199	
‘31x	È 200	É 201	Ê 202	Ë 203	Ì 204	Í 205	Î 206	Ï 207	
‘32x	Đ 208	Ñ 209	Ò 210	Ó 211	Ô 212	Õ 213	Ö 214	Œ 215	
‘33x	Ø 216	Ù 217	Ú 218	Û 219	Ü 220	Ý 221	P 222	SS 223	
‘34x	à 224	á 225	â 226	ã 227	ä 228	å 229	æ 230	ç 231	
‘35x	è 232	é 233	ê 234	ë 235	ì 236	í 237	î 238	ї 239	
‘36x	đ 240	ñ 241	ò 242	ó 243	ô 244	õ 245	ö 246	œ 247	
‘37x	ø 248	ù 249	ú 250	û 251	ü 252	ý 253	p 254	ß 255	
	"8	"9	"A	"B	"C	"D	"E	"F	

**Erewhon-Regular-tlf-ot2**

	ó	í	’2	’3	’4	’5	’6	’7	
’00x	Њ 0	Љ 1	Џ 2	҂ 3	I 4	Ѐ 5	Ђ 6	Ћ 7	”0x
’01x	Њ 8	Љ 9	Џ 10	҂ 11	і 12	Ѐ 13	Ђ 14	Ћ 15	”1x
’02x	Ѡ 16	Ӂ 17	Ӯ 18	Ӯ 19	V 20	Ӫ 21	S 22	Ѩ 23	”2x
’03x	Ѡ 24	Ӂ 25	Ӯ 26	Ӯ 27	V 28	Ӫ 29	S 30	Ѩ 31	”3x
’04x	“ 32	! 33	” 34	Ӯ 35	Ӯ 36	% 37	’ 38	’ 39	”4x
’05x	( 40	) 41	* 42	Ӯ 43	, 44	- 45	. 46	/ 47	”5x
’06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	”6x
’07x	8 56	9 57	: 58	; 59	« 60	1 61	» 62	? 63	”7x
’10x	‘ 64	А 65	Б 66	Џ 67	Д 68	Ӗ 69	Ѱ 70	Ѱ 71	
’11x	X 72	И 73	J 74	K 75	Ӆ 76	M 77	H 78	O 79	
’12x	Ѝ 80	Ч 81	P 82	C 83	T 84	Y 85	B 86	Ѝ 87	
’13x	Ѝ 88	Ӣ 89	Ӡ 90	[ 91	“ 92	] 93	Ӣ 94	Ӯ 95	
’14x	‘ 96	а 97	б 98	҂ 99	҃ 100	е 101	Ӫ 102	Ѱ 103	
’15x	X 104	И 105	ј 106	Ҝ 107	Ӆ 108	M 109	H 110	O 111	
’16x	Ѝ 112	Ч 113	ڒ 114	С 115	Ҭ 116	Ѹ 117	B 118	Ѝ 119	
’17x	Ѝ 120	Ӣ 121	Ӡ 122	— 123	— 124	Ҥ 125	Ӑ 126	Ӯ 127	
	”8	”9	”A	”B	”C	”D	”E	”F	

(This 7-bit encoding is intended for users lacking a Cyrillic keyboard. For further information, consult the documentation for the package `nimbus15`.)

**Erewhon-Regular-tlf-t2a**

	‘0	‘1	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	˘ 0	ˊ 1	^ 2	~ 3	“ 4	” 5	◦ 6	ˇ 7	"0x
‘01x	˘ 8	ˉ 9	· 10	, 11	€ 12	I 13	fb 14	fh 15	"1x
‘02x	“ 16	” 17	fj 18	fk 19	ˇ 20	— 21	— 22	Th 23	"1x
‘03x	24	1 25	J 26	ff 27	fi 28	fl 29	ffi 30	ffl 31	"2x
‘04x	— 32	! 33	” 34	# 35	\$ 36	% 37	& 38	’ 39	"2x
‘05x	( 40	) 41	* 42	+ 43	, 44	‐ 45	. 46	/ 47	"3x
‘06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	"3x
‘07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	"4x
‘10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	"4x
‘11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	"5x
‘12x	P 80	Q 81	R 82	S 83	T 84	U 85	V 86	W 87	"5x
‘13x	X 88	Y 89	Z 90	[ 91	\ 92	] 93	^ 94	— 95	"6x
‘14x	‘ 96	a 97	b 98	c 99	d 100	e 101	f 102	g 103	"6x
‘15x	h 104	i 105	j 106	k 107	l 108	m 109	n 110	o 111	"7x
‘16x	p 112	q 113	r 114	s 115	t 116	u 117	v 118	w 119	"7x
‘17x	X 120	Y 121	Z 122	{ 123	124	} 125	~ 126	- 127	"8x
‘20x	Γ 128	F 129	Ђ 130	Ћ 131	Ћ 132	Ж 133	Џ 134	Љ 135	"8x
‘21x	Ӣ 136	K 137	Ӣ 138	Ӣ 139	Ӣ 140	Ӣ 141	Ӣ 142	S 143	"9x
‘22x	Θ 144	Ҫ 145	Ӯ 146	Ӯ 147	Ӯ 148	Ӯ 149	Ӯ 150	Ӯ 151	"9x
‘23x	Ҕ 152	Ҽ 153	Ӫ 154	Ҥ 155	Ӭ 156	Ҥ 157	ӫ 158	§Ã 159	"Ax
‘24x	Ӯ 160	F 161	Ӯ 162	Ӯ 163	Ӯ 164	Ӯ 165	Ӯ 166	Ӯ 167	"Ax
‘25x	Ӣ 168	K 169	Ӣ 170	Ӣ 171	Ӕ 172	Ӣ 173	Ӣ 174	S 175	"Bx
‘26x	Theta 176	Ҫ 177	Ӯ 178	Ӯ 179	Ӯ 180	Ӯ 181	Ӯ 182	Ӯ 183	"Cx
‘27x	Ҕ 184	Ҽ 185	Ӫ 186	Ҥ 187	Ӭ 188	“ 189	“ 190	“ 191	"Ex
‘30x	A 192	Б 193	В 194	Г 195	Д 196	Е 197	Ж 198	З 199	"Fx
‘31x	И 200	Ӣ 201	К 202	Ӆ 203	Ӆ 204	Ӈ 205	Ѻ 206	Ѽ 207	"Dx
‘32x	P 208	С 209	Т 210	Ӯ 211	Ӯ 212	Ӯ 213	Ӯ 214	Ӯ 215	"Ex
‘33x	III 216	Ӣ 217	Ӯ 218	Ӣ 219	Ӯ 220	Ӗ 221	Ӣ 222	Ӣ 223	"Ex
‘34x	а 224	б 225	в 226	г 227	д 228	е 229	ж 230	з 231	"Fx
‘35x	Ӣ 232	Ӣ 233	Ҝ 234	Ӆ 235	Ӆ 236	Ӈ 237	Ѻ 238	Ѽ 239	"Fx
‘36x	р 240	С 241	Т 242	Ӯ 243	Ӯ 244	Ӯ 245	Ӯ 246	Ӯ 247	"Fx
‘37x	Ӣ 248	Ӣ 249	Ӯ 250	Ӣ 251	Ӯ 252	Ӗ 253	Ӣ 254	Ӣ 255	"Fx
	“8	“9	“A	“B	“C	“D	“E	“F	

**Erewhon-Regular-tlf-t2b**

	‘0	‘1	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	`_0	'_1	^_2	~_3	.._4	"_5	°_6	ˇ_7	"0x
‘01x	ˇ_8	-_9	._10	,_11	ˇ_12	I_13	fb_14	fh_15	"1x
‘02x	“_16	”_17	fj_18	fk_19	ˇ_20	-_21	—_22	Th_23	"1x
‘03x	24	1_25	J_26	ff_27	fi_28	fl_29	ffi_30	ffl_31	"2x
‘04x	_32	!_33	"_34	#_35	\$_36	%_37	&_38	’_39	"2x
‘05x	(_40	)_41	*_42	+_43	,_44	-_45	._46	/_47	"3x
‘06x	0_48	1_49	2_50	3_51	4_52	5_53	6_54	7_55	"3x
‘07x	8_56	9_57	:_58	;_59	<_60	=_61	>_62	?_63	"4x
‘10x	@_64	A_65	B_66	C_67	D_68	E_69	F_70	G_71	"4x
‘11x	H_72	I_73	J_74	K_75	L_76	M_77	N_78	O_79	"5x
‘12x	P_80	Q_81	R_82	S_83	T_84	U_85	V_86	W_87	"5x
‘13x	X_88	Y_89	Z_90	[_91	\_92	]_93	^_94	_95	"6x
‘14x	‘_96	a_97	b_98	c_99	d_100	e_101	f_102	g_103	"6x
‘15x	h_104	i_105	j_106	k_107	l_108	m_109	n_110	o_111	"7x
‘16x	p_112	q_113	r_114	s_115	t_116	u_117	v_118	w_119	"7x
‘17x	X_120	y_121	Z_122	{_123	_124	}_125	~_126	-_127	"8x
‘20x	128	F_129	130	Ђ_131	Ѡ_132	Ж_133	Ѡ_134	Ѡ_135	"8x
‘21x	Љ_136	Ќ_137	138	Ђ_139	140	Ҥ_141	Ҥ_142	Ҥ_143	"9x
‘22x	Ѡ_144	145	Ѡ_146	Y_147	148	Х_149	150	151	"9x
‘23x	҃_152	Ҥ_153	Ӫ_154	155	Ӭ_156	№_157	ѻ_158	§_159	"Ax
‘24x	160	F_161	162	Ҥ_163	h_164	Ж_165	166	Ѡ_167	"Ax
‘25x	Љ_168	Ќ_169	170	Ѩ_171	172	Ҥ_173	Ҥ_174	Ҥ_175	"Bx
‘26x	Ѡ_176	177	Ѡ_178	Y_179	180	Х_181	182	183	"Cx
‘27x	҃_184	Ҥ_185	Ӫ_186	187	Ӭ_188	„_189	«_190	»_191	"Cx
‘30x	Ӑ_192	Ӗ_193	Ӗ_194	Gamma_195	Д_196	Ӗ_197	Ж_198	Ѡ_199	"Dx
‘31x	Ӣ_200	Ӣ_201	Ӣ_202	Ӣ_203	Ӣ_204	Ӣ_205	Ѻ_206	Ѻ_207	"Ex
‘32x	P_208	C_209	T_210	Ѹ_211	Ӫ_212	Ѽ_213	Ѽ_214	Ѽ_215	"Fx
‘33x	Ӣ_216	Ӣ_217	Ӣ_218	Ӣ_219	Ӣ_220	Ӫ_221	Ѻ_222	Ѻ_223	"Fx
‘34x	ѿ_224	ѿ_225	ѿ_226	ѿ_227	ѿ_228	ѿ_229	ѿ_230	ѿ_231	"Fx
‘35x	Ӣ_232	Ӣ_233	Ӣ_234	Ӣ_235	Ӣ_236	Ѻ_237	Ѻ_238	Ѻ_239	"Fx
‘36x	P_240	C_241	T_242	Ѹ_243	Ӫ_244	Ѽ_245	Ѽ_246	Ѽ_247	"Fx
‘37x	Ӣ_248	Ӣ_249	Ӣ_250	Ӣ_251	Ӣ_252	Ӫ_253	Ѻ_254	Ѻ_255	"Fx
	”8	”9	”A	”B	”C	”D	”E	”F	

**Erewhon-Regular-tlf-t2c**

	‘0	‘1	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	ˋ 0	ˊ 1	^K 2	~ 3	“ 4	” 5	° 6	ˇ 7	"0x
‘01x	ˇ 8	ˉ 9	· 10	, 11	‘ 12	I 13	fb 14	fh 15	"0x
‘02x	“ 16	” 17	fj 18	fk 19	‘ 20	- 21	— 22	Th 23	"1x
‘03x	24	1 25	J 26	ff 27	fi 28	fl 29	ffi 30	ffl 31	"2x
‘04x	— 32	! 33	" 34	# 35	\$ 36	% 37	& 38	’ 39	"2x
‘05x	( 40	) 41	* 42	+ 43	, 44	- 45	. 46	/ 47	"3x
‘06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	"3x
‘07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	"4x
‘10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	"4x
‘11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	"5x
‘12x	P 80	Q 81	R 82	S 83	T 84	U 85	V 86	W 87	"5x
‘13x	X 88	Y 89	Z 90	[ 91	\ 92	] 93	^ 94	_ 95	"6x
‘14x	‘ 96	a 97	b 98	c 99	d 100	e 101	f 102	g 103	"6x
‘15x	h 104	i 105	j 106	k 107	l 108	m 109	n 110	o 111	"7x
‘16x	p 112	q 113	r 114	s 115	t 116	u 117	v 118	w 119	"7x
‘17x	X 120	Y 121	Z 122	{ 123	124	} 125	~ 126	- 127	"8x
‘20x	128	Π 129	Τ 130	Σ 131	Η 132	133	134	Ξ 135	"8x
‘21x	136	Κ 137	138	Κ 139	140	Η 141	142	Η 143	"9x
‘22x	Θ 144	‘Ε 145	‘Ε 146	147	148	X 149	Π 150	Ω 151	"9x
‘23x	‘Ψ 152	153	Θ 154	155	Έ 156	Νο 157	Ώ 158	§ 159	"Ax
‘24x	160	Τ 161	Τ 162	Σ 163	h 164	165	166	Ξ 167	"Bx
‘25x	168	Κ 169	170	Κ 171	172	Η 173	174	Η 175	"Cx
‘26x	Θ 176	‘Ε 177	‘Ε 178	179	180	X 181	Π 182	Ω 183	"Cx
‘27x	‘Ψ 184	185	Θ 186	187	Έ 188	“ 189	“ 190	” 191	"Dx
‘30x	A 192	Б 193	В 194	Г 195	Д 196	Е 197	Ж 198	З 199	"Ex
‘31x	И 200	҃ 201	К 202	Л 203	М 204	Н 205	О 206	П 207	"Fx
‘32x	P 208	C 209	T 210	Y 211	Φ 212	X 213	Π 214	Ч 215	"Fx
‘33x	III 216	III 217	‘Β 218	‘Ι 219	‘Β 220	‘Ε 221	ΙΟ 222	Я 223	"Fx
‘34x	а 224	б 225	в 226	г 227	д 228	е 229	ж 230	з 231	"Fx
‘35x	И 232	҃ 233	К 234	Л 235	М 236	Н 237	О 238	П 239	"Fx
‘36x	p 240	с 241	т 242	у 243	φ 244	χ 245	ι 246	ч 247	"Fx
‘37x	III 248	III 249	‘Ђ 250	‘Ћ 251	‘Ђ 252	‘Ѡ 253	‘Ѡ 254	‘Ѡ 255	"Fx
	"8	"9	"A	"B	"C	"D	"E	"F	

**Erewhon-Regular-tlf-sc-t2a**

	‘0	‘1	‘2	‘3	‘4	‘5	‘6	‘7	
‘00x	˘ 0	ˊ 1	˘ 2	˘ 3	˘ 4	˘ 5	˘ 6	˘ 7	"0x
‘01x	˘ 8	˘ 9	˘ 10	, 11	˘ 12	I 13	˘ 14	˘ 15	"1x
‘02x	“ 16	” 17	˘ 18	˘ 19	˘ 20	— 21	— 22	˘ 23	"2x
‘03x	˘ 24	1 25	J 26	FF 27	FI 28	FL 29	FFI 30	FFL 31	"3x
‘04x	˘ 32	! 33	” 34	# 35	\$ 36	% 37	& 38	’ 39	"4x
‘05x	( 40	) 41	* 42	+ 43	, 44	- 45	. 46	/ 47	"5x
‘06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	"6x
‘07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	"7x
‘10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	"8x
‘11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	"9x
‘12x	P 80	Q 81	R 82	S 83	T 84	U 85	V 86	W 87	"Ax
‘13x	X 88	Y 89	Z 90	[ 91	\ 92	] 93	^ 94	_ 95	"Bx
‘14x	‘ 96	A 97	B 98	C 99	D 100	E 101	F 102	G 103	"Cx
‘15x	H 104	I 105	J 106	K 107	L 108	M 109	N 110	O 111	"Ex
‘16x	P 112	Q 113	R 114	S 115	T 116	U 117	V 118	W 119	"Fx
‘17x	X 120	Y 121	Z 122	{ 123	124	} 125	~ 126	- 127	
‘20x	Γ 128	F 129	Ђ 130	Ћ 131	Ћ 132	Ж 133	Џ 134	Љ 135	
‘21x	Ӣ 136	Ҝ 137	ڶ 138	ڶ 139	Ӕ 140	Ҥ 141	Ҥ 142	Ԍ 143	
‘22x	Ӫ 144	Ҫ 145	Ӯ 146	Ӯ 147	Ӯ 148	Ӯ 149	Ӯ 150	Ӯ 151	
‘23x	Ҕ 152	Ҽ 153	Ҽ 154	Ҥ 155	Ӭ 156	Ҥ 157	ӫ 158	§ 159	
‘24x	Ӯ 160	Ӯ 161	Ӯ 162	Ӯ 163	Ӯ 164	Ӯ 165	Ӯ 166	Ӯ 167	
‘25x	Ӣ 168	Ҝ 169	ڶ 170	ڶ 171	Ӕ 172	Ҥ 173	Ҥ 174	Ԍ 175	
‘26x	Ӫ 176	Ҫ 177	Ӯ 178	Ӯ 179	Ӯ 180	Ӯ 181	Ӯ 182	Ӯ 183	
‘27x	Ҕ 184	Ҽ 185	Ҽ 186	Ҥ 187	Ӭ 188	“ 189	“ 190	“ 191	
‘30x	Ӑ 192	Ӗ 193	Ӗ 194	Ӗ 195	Ӗ 196	Ӗ 197	Ӂ 198	Ӡ 199	
‘31x	Ӣ 200	Ӣ 201	Ҝ 202	Ӆ 203	Ӆ 204	Ҥ 205	Ӫ 206	Ӯ 207	
‘32x	Ӫ 208	Ҫ 209	Ҫ 210	Ӯ 211	Ӯ 212	Ӯ 213	Ӯ 214	Ӯ 215	
‘33x	Ӣ 216	Ӣ 217	Ӯ 218	Ӯ 219	Ӯ 220	Ӭ 221	Ӥ 222	Ӯ 223	
‘34x	Ӑ 224	Ӗ 225	Ӗ 226	Ӗ 227	Ӗ 228	Ӗ 229	ӂ 230	Ӡ 231	
‘35x	Ӣ 232	Ӣ 233	Ҝ 234	Ӆ 235	Ӆ 236	Ҥ 237	Ӫ 238	Ӯ 239	
‘36x	Ӫ 240	Ҫ 241	Ҫ 242	Ӯ 243	Ӯ 244	Ӯ 245	Ӯ 246	Ӯ 247	
‘37x	Ӣ 248	Ӣ 249	Ӯ 250	Ӯ 251	Ӯ 252	Ӭ 253	Ӥ 254	Ӯ 255	
	“8	“9	“A	“B	“C	“D	“E	“F	