

Inconsolata: T_EX support*

Karl Berry (karl@freefriends.org)

September 6, 2010

Inconsolata is a monospaced (“typewriter”) font designed by Raph Levien. (It is used for the typewriter material throughout this document.) The location on CTAN for this packaging of the font with T_EX support is <http://mirror.ctan.org/fonts/inconsolata>.

Raph’s own web page is <http://levien.com/type/myfonts/inconsolata.html>. Raph discussed Inconsolata’s design principles and his working methods in an interview, which is available online at <http://tug.org/interviews>. Its development is ongoing.

Please send questions and suggestions about the T_EX support to Karl (address above), not Raph. Raph only distributes the OpenType and Type 1 font files themselves.

1 Encodings

Inconsolata has good support for Latin, including commonly-used T_EX encodings. Unfortunately there are a plethora of naming conventions surrounding encodings. This package follows the Latin Modern (<http://mirror.ctan.org/tex-archive/fonts/lm>) names for the TFM files.

This table shows the TFM name, corresponding L^AT_EX encoding name, and a description.

ec-inconsolata.tfm	T1	Cork
ei1-inconsolata.tfm	EI1	experimental/extra glyphs
qx-inconsolata.tfm	QX	Polish
rm-inconsolata.tfm	OT1	Computer Modern typewriter
texnansi-inconsolata.tfm	LY1	Windows ANSI
ts1-inconsolata.tfm	TS1	text symbols (incomplete)

To use one or another encoding, give the L^AT_EX name to the fontenc package as usual, as in:

*This documentation is released to the public domain.

```
\usepackage[T1]{fontenc}
\usepackage{inconsolata}
```

About the EI1 encoding: Raph designed various glyphs which do not appear in any of the usual T_EX encodings above; EI1 provides access to these. There are no named commands for them, just use `\char` and enjoy. For the glyph names, see the file `fi4-ei1.enc`.

2 L^AT_EX usage

Here is a minimal L^AT_EX document showing the use of Inconsolata:

```
\documentclass{article}
\usepackage{inconsolata}
\begin{document}
\texttt{This is Inconsolata.}
\end{document}
```

Thus, loading `inconsolata.sty` redefines the `\tt` font. The optional `[nott]` argument prevents this redefinition. The font can still be accessed via, for example,

```
\fontfamily{fi4}\selectfont
```

As seen here, the L^AT_EX family name for Inconsolata is `fi4`.

The other package option is `[scaled=R]`, which scales the font according to *R*; the default is 1.0 for no scaling (this document does not specify any scaling). Here's an example:

```
\usepackage[scaled=.95]{inconsolata}
```

The `inconsolata.sty` package loads the `textcomp` and `keyval` packages, if they are not already loaded. The former is what makes `\texteuro` and the like work, and the latter is how `inconsolata` parses its options.

3 Plain T_EX usage

The TFM names were given in the preceding table. So, for example:

```
\font\tentt = rm-inconsolata % use inconsolata instead of cmtt
{\tt This is Inconsolata.}
```

As usual with plain T_EX, any other (re)definitions are strictly up to you. This package makes no attempt to hook into any of the various font packages for plain, such as pln_fss (<http://tug.ctan.org/pkg/pln_fss>).

4 X usage

If you want to use Inconsolata in the X Window System, for example in terminal windows, and your system does not provide a premade package for it, it is straightforward to set up yourself:

```
cp Inconsolata.otf /some/dir
mkfontscale /some/dir # create fonts.scale
mkfontdir /some/dir # create fonts.dir from fonts.scale
xset +fp /some/dir # tell the X server to use it
xlsfonts | grep inconsolata # see if it's there
```

5 Dotless j and LY1

For reasons I don't want to go into here, the `\j` command does not work with the LY1 encoding. Perhaps it will be fixed one day. Meanwhile, the glyph itself is available at the standard position in LY1 of 0x11 in `texnansi-inconsolata.tfm`.

6 Font tables

The rest of this document are the font tables for the various encodings, generated by the file `test.tex` in this distribution. The type size is somewhat large simply for ease of inspection of the characters.

Happy typesetting.

ec/T1:

	0	1	2	3	4	5	6	7	
'00x	` 0	' 1	^ 2	~ 3	¨ 4	“ 5	° 6	ˇ 7	~0x
'01x	˘ 8	- 9	· 10	◌ 11	◌ 12	, 13	< 14	> 15	
'02x	“ 16	” 17	„ 18	« 19	» 20	21	22	23	~1x
'03x	24	l 25	J 26	27	28	29	30	31	
'04x	⌵ 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	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	Ă 128	Ȧ 129	Ĉ 130	Č 131	Ď 132	Ě 133	Ę 134	Ğ 135	~8x
'21x	Ł 136	Ł' 137	Ł 138	Ń 139	Ň 140	Ŋ 141	Ŏ 142	Ř 143	
'22x	Ř 144	Ś 145	Š 146	Ş 147	Ť 148	Ț 149	Ú 150	Û 151	~9x
'23x	ÿ 152	Ż 153	Ž 154	Ž 155	156	İ 157	đ 158	š 159	
'24x	ă 160	ȧ 161	ĉ 162	č 163	ď 164	ě 165	ę 166	ğ 167	~Ax
'25x	ł 168	ł' 169	ł 170	ń 171	ň 172	ŋ 173	ő 174	ř 175	
'26x	ř 176	ś 177	š 178	ş 179	ť 180	ț 181	ú 182	û 183	~Bx
'27x	ÿ 184	ż 185	ž 186	ž 187	188	ı 189	ı̇ 190	£ 191	
'30x	À 192	Á 193	Â 194	Ã 195	Ä 196	Å 197	Æ 198	Ç 199	~Cx
'31x	È 200	É 201	Ê 202	Ë 203	Ï 204	Í 205	Î 206	Ï 207	
'32x	Đ 208	Ñ 209	Ò 210	Ó 211	Ô 212	Õ 213	Ö 214	Œ 215	~Dx
'33x	Ø 216	Ù 217	Ú 218	Û 219	Ü 220	Ý 221	Þ 222	223	
'34x	à 224	á 225	â 226	ã 227	ä 228	å 229	æ 230	ç 231	~Ex
'35x	è 232	é 233	ê 234	ë 235	ì 236	í 237	î 238	ï 239	
'36x	đ 240	ñ 241	ò 242	ó 243	ô 244	õ 245	ö 246	œ 247	~Fx
'37x	ø 248	ù 249	ú 250	û 251	ü 252	ý 253	þ 254	β 255	
	~8	~9	~A	~B	~C	~D	~E	~F	

EI1:

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	' ₀	' ₁	' ₂	' ₃	' ₄	' ₅	' K ₆	' 0 ₇	'0x
'01x	' r ₈	' 0 ₉	' 4 ₁₀	' ₁₁	' ₁₂	' ₁₃	' ₁₄	' ₁₅	
	'8	'9	'A	'B	'C	'D	'E	'F	

qx/QXtt:

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	0	1	2	3	4	5	6	μ ₇	~0x
'01x	... ₈	9	10	↑ ₁₁	↓ ₁₂	' ₁₃	i ₁₄	ı ₁₅	
'02x	ı ₁₆	J ₁₇	` ₁₈	' ₁₉	˘ ₂₀	˘ ₂₁	- ₂₂	° ₂₃	~1x
'03x	ı ₂₄	β ₂₅	æ ₂₆	æ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
'04x	ı 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	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	€ ₁₂₈	À ₁₂₉	Â ₁₃₀	131	132	133	Ë ₁₃₄	135	~8x
'21x	136	137	Ł ₁₃₈	Ń ₁₃₉	~ ₁₄₀	^ ₁₄₁	142	† ₁₄₃	
'22x	‡ ₁₄₄	Ŝ ₁₄₅	Š ₁₄₆	147	° ₁₄₈	149	ı ₁₅₀	151	~9x
'23x	ÿ ₁₅₂	Ž ₁₅₃	Ž ₁₅₄	Ž ₁₅₅	156	157	158	§ ₁₅₉	
'24x	160	ą ₁₆₁	Ć ₁₆₂	® ₁₆₃	© ₁₆₄	÷ ₁₆₅	€ ₁₆₆	167	~Ax
'25x	- ₁₆₈	× ₁₆₉	ł ₁₇₀	ń ₁₇₁	± ₁₇₂	173	« ₁₇₄	» ₁₇₅	
'26x	¶ ₁₇₆	ś ₁₇₇	š ₁₇₈	179	• ₁₈₀	181	182	183	~Bx
'27x	ÿ ₁₈₄	ž ₁₈₅	ž ₁₈₆	ž ₁₈₇	188	• ₁₈₉	190	191	
'30x	À ₁₉₂	Á ₁₉₃	Â ₁₉₄	Ã ₁₉₅	Ä ₁₉₆	Å ₁₉₇	198	Ç ₁₉₉	~Cx
'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	α ₂₁₅	~Dx
'33x	216	Û ₂₁₇	Ü ₂₁₈	Û ₂₁₉	Ü ₂₂₀	Ý ₂₂₁	Ɔ ₂₂₂	223	
'34x	à ₂₂₄	á ₂₂₅	â ₂₂₆	ã ₂₂₇	ä ₂₂₈	å ₂₂₉	230	ç ₂₃₁	~Ex
'35x	è ₂₃₂	é ₂₃₃	ê ₂₃₄	ë ₂₃₅	ì ₂₃₆	í ₂₃₇	î ₂₃₈	ï ₂₃₉	
'36x	đ ₂₄₀	ñ ₂₄₁	ò ₂₄₂	ó ₂₄₃	ô ₂₄₄	õ ₂₄₅	ö ₂₄₆	247	~Fx
'37x	248	ù ₂₄₉	ú ₂₅₀	û ₂₅₁	ü ₂₅₂	ý ₂₅₃	Ɔ ₂₅₄	„ ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

rm/OT1tt:

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	0	1	2	3	4	5	6	7	~0x
'01x	8	9	10	↑ ₁₁	↓ ₁₂	' ₁₃	ı ₁₄	İ ₁₅	
'02x	ı ₁₆	Ĵ ₁₇	` ₁₈	' ₁₉	ˇ ₂₀	˘ ₂₁	- ₂₂	° ₂₃	~1x
'03x	˘ ₂₄	ß ₂₅	æ ₂₆	œ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
'04x	˘ 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	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	128	129	130	131	132	133	134	135	~8x
'21x	136	137	Ł ₁₃₈	139	140	141	142	143	
'24x	160	161	162	163	164	165	166	167	~Ax
'25x	168	169	ł ₁₇₀	171	172	173	174	175	
	~8	~9	~A	~B	~C	~D	~E	~F	

texnansi/LY1:

	0	1	2	3	4	5	6	7	
'00x	0	€ ₁	2	3	/ ₄	· ₅	" ₆	¢ ₇	~0x
'01x	8	9	10	11	12	13	14	15	
'02x	l ₁₆	J ₁₇	` ₁₈	' ₁₉	˘ ₂₀	˙ ₂₁	- ₂₂	° ₂₃	~1x
'03x	˘ ₂₄	β ₂₅	æ ₂₆	œ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
'04x	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	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	Ł ₁₂₈	' ₁₂₉	, ₁₃₀	f ₁₃₁	„ ₁₃₂	… ₁₃₃	† ₁₃₄	‡ ₁₃₅	~8x
'21x	^ ₁₃₆	ˆ ₁₃₇	Š ₁₃₈	< ₁₃₉	Œ ₁₄₀	Ž ₁₄₁	^ ₁₄₂	- ₁₄₃	
'22x	ł ₁₄₄	' ₁₄₅	' ₁₄₆	“ ₁₄₇	” ₁₄₈	• ₁₄₉	150	151	~9x
'23x	~ ₁₅₂	™ ₁₅₃	š ₁₅₄	> ₁₅₅	œ ₁₅₆	ž ₁₅₇	~ ₁₅₈	ÿ ₁₅₉	
'24x	160	i ₁₆₁	¢ ₁₆₂	£ ₁₆₃	¤ ₁₆₄	¥ ₁₆₅	¦ ₁₆₆	§ ₁₆₇	~Ax
'25x	¨ ₁₆₈	© ₁₆₉	à 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	ı ₁₉₁	
'30x	À ₁₉₂	Á ₁₉₃	Â ₁₉₄	Ã ₁₉₅	Ä ₁₉₆	Å ₁₉₇	Æ ₁₉₈	Ç ₁₉₉	~Cx
'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	× ₂₁₅	~Dx
'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	~Ex
'35x	è ₂₃₂	é ₂₃₃	ê ₂₃₄	ë ₂₃₅	ì ₂₃₆	í ₂₃₇	î ₂₃₈	ï ₂₃₉	
'36x	đ ₂₄₀	ñ ₂₄₁	ò ₂₄₂	ó ₂₄₃	ô ₂₄₄	õ ₂₄₅	ö ₂₄₆	÷ ₂₄₇	~Fx
'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	

TS1:

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	` 0	' 1	^ 2	~ 3	¨ 4	” 5	° 6	ˇ 7	~0x
'01x	˘ 8	¯ 9	· 10	˘ 11	˘ 12	13	14	15	
'04x	32	33	34	35	\$ 36	37	38	39	~2x
'05x	40	41	42	43	, 44	45	. 46	/ 47	
'06x	48	49	50	51	52	53	54	55	~3x
'07x	56	57	58	59	60	– 61	62	63	
'12x	80	81	82	83	84	85	86	87	~5x
'13x	88	89	90	91	92	93	↑ 94	↓ 95	
'20x	128	129	130	131	† 132	‡ 133	134	135	~8x
'21x	• 136	137	138	139	f 140	141	142	143	
'22x	144	145	146	147	148	149	150	™ 151	~9x
'23x	152	153	154	155	156	157	158	159	
'24x	160	161	¢ 162	£ 163	¤ 164	¥ 165	! 166	§ 167	~Ax
'25x	168	© 169	à 170	171	¬ 172	173	® 174	175	
'26x	° 176	± 177	2 178	3 179	180	μ 181	¶ 182	· 183	~Bx
'27x	184	1 185	ó 186	187	¼ 188	½ 189	190	€ 191	
'32x	208	209	210	211	212	213	× 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	