

DejaVu Sans Mono

Basic Latin

	000	001	002	003	004	005	006	007	
0				0	@	P	`	p	0
			0020	0030	0040	0050	0060	0070	
1			!	1	A	Q	a	q	1
			0021	0031	0041	0051	0061	0071	
2			"	2	B	R	b	r	2
			0022	0032	0042	0052	0062	0072	
3			#	3	C	S	c	s	3
			0023	0033	0043	0053	0063	0073	
4			\$	4	D	T	d	t	4
			0024	0034	0044	0054	0064	0074	
5			%	5	E	U	e	u	5
			0025	0035	0045	0055	0065	0075	
6			&	6	F	V	f	v	6
			0026	0036	0046	0056	0066	0076	
7			'	7	G	W	g	w	7
			0027	0037	0047	0057	0067	0077	
8			(	8	H	X	h	x	8
			0028	0038	0048	0058	0068	0078	
9			)	9	I	Y	i	y	9
			0029	0039	0049	0059	0069	0079	
A			*	:	J	Z	j	z	A
			002A	003A	004A	005A	006A	007A	
B			+	;	K	[	k	{	B
			002B	003B	004B	005B	006B	007B	
C			,	<	L	\	l	|	C
			002C	003C	004C	005C	006C	007C	
D			-	=	M	]	m	}	D
			002D	003D	004D	005D	006D	007D	
E			.	>	N	^	n	~	E
			002E	003E	004E	005E	006E	007E	
F			/	?	O	_	o		F
			002F	003F	004F	005F	006F		

DejaVu Sans Mono
Latin-1 Supplement

	008	009	00A	00B	00C	00D	00E	00F	
0				°	À	Ð	à	ð	0
			00A0	00B0	00C0	00D0	00E0	00F0	
1			ì	±	Á	Ñ	á	ñ	1
			00A1	00B1	00C1	00D1	00E1	00F1	
2			¢	²	Â	Ò	â	ò	2
			00A2	00B2	00C2	00D2	00E2	00F2	
3			£	³	Ã	Ó	ã	ó	3
			00A3	00B3	00C3	00D3	00E3	00F3	
4			¼	´	Ä	Ô	ä	ô	4
			00A4	00B4	00C4	00D4	00E4	00F4	
5			¥	µ	Å	Õ	å	õ	5
			00A5	00B5	00C5	00D5	00E5	00F5	
6			¦	¶	Æ	Ö	æ	ö	6
			00A6	00B6	00C6	00D6	00E6	00F6	
7			§	·	Ç	×	ç	÷	7
			00A7	00B7	00C7	00D7	00E7	00F7	
8			¨	¸	È	Ø	è	ø	8
			00A8	00B8	00C8	00D8	00E8	00F8	
9			©	¹	É	Ù	é	ù	9
			00A9	00B9	00C9	00D9	00E9	00F9	
A			ª	º	Ê	Ú	ê	ú	A
			00AA	00BA	00CA	00DA	00EA	00FA	
B			«	»	Ë	Û	ë	û	B
			00AB	00BB	00CB	00DB	00EB	00FB	
C			¬	¼	Ì	Ü	ì	ü	C
			00AC	00BC	00CC	00DC	00EC	00FC	
D			-	½	Í	Ý	í	ý	D
			00AD	00BD	00CD	00DD	00ED	00FD	
E			®	¾	Î	Þ	î	þ	E
			00AE	00BE	00CE	00DE	00EE	00FE	
F			¯	¿	Ï	ß	ï	ÿ	F
			00AF	00BF	00CF	00DF	00EF	00FF	

DejaVu Sans Mono

Latin Extended-A

	010	011	012	013	014	015	016	017	
0	Ā 0100	Ð 0110	Ġ 0120	İ 0130	Ľ 0140	Ŏ 0150	Š 0160	Ű 0170	0
1	ā 0101	đ 0111	ġ 0121	ı 0131	ĺ 0141	ő 0151	š 0161	ű 0171	1
2	Ǻ 0102	Ē 0112	Ģ 0122	IJ 0132	ł 0142	Œ 0152	Ț 0162	Ț 0172	2
3	ǻ 0103	ē 0113	ģ 0123	ij 0133	ń 0143	æ 0153	ț 0163	ȕ 0173	3
4	Ȧ 0104	Ě 0114	Ĥ 0124	Ĵ 0134	ń 0144	Ŕ 0154	Ť 0164	Ŵ 0174	4
5	ȧ 0105	ě 0115	ĥ 0125	ĵ 0135	Ț 0145	ŕ 0155	ť 0165	ŵ 0175	5
6	Ć 0106	Ė 0116	Ħ 0126	Ƙ 0136	Ț 0146	Ŗ 0156	Ȧ 0166	Ŷ 0176	6
7	ć 0107	ė 0117	ħ 0127	ƙ 0137	ň 0147	ŗ 0157	ţ 0167	ŷ 0177	7
8	Ĉ 0108	Ę 0118	Ĩ 0128	ƥ 0138	ň 0148	Ř 0158	Ũ 0168	Ÿ 0178	8
9	ĉ 0109	ę 0119	ĩ 0129	ł 0139	ň 0149	ř 0159	ũ 0169	ź 0179	9
A	Č 010A	Ě 011A	Ī 012A	ĺ 013A	ŋ 014A	Ś 015A	Ū 016A	Ż 017A	A
B	č 010B	ě 011B	ī 012B	ł 013B	ŋ 014B	ś 015B	ū 016B	ż 017B	B
C	Č 010C	Ĝ 011C	Ĩ 012C	ł 013C	Ō 014C	Ŝ 015C	Ŭ 016C	Ž 017C	C
D	č 010D	ĝ 011D	ĩ 012D	ł 013D	ō 014D	ŝ 015D	ŭ 016D	ž 017D	D
E	Ǻ 010E	Ǻ 011E	Ǻ 012E	Ǻ 013E	Ǻ 014E	Ǻ 015E	Ǻ 016E	Ǻ 017E	E
F	Ǻ 010F	Ǻ 011F	Ǻ 012F	Ǻ 013F	Ǻ 014F	Ǻ 015F	Ǻ 016F	Ǻ 017F	F

DejaVu Sans Mono

Latin Extended-B

	018	019	01A	01B	01C	01D	01E	01F	020	021	022	023	024	
0	Ħ 0180	Ɛ 0190	Ɔ 01A0	Ʊ 01B0	ƀ 01C0	ǐ 01D0	Ā 01E0	ǰ 01F0	À 0200	Ř 0210	ŋ 0220	Ō 0230	Ʒ 0240	0
1	Ɓ 0181	Ƒ 0191	σ 01A1	Ʈ 01B1	Ꞁ 01C1	Ǒ 01D1	ā 01E1		à 0201	ř 0211	ɖ 0221	ō 0231	ʒ 0241	1
2	Б 0182	ƒ 0192	т 01A2	ƭ 01B2	‡ 01C2	ǒ 01D2	Ē 01E2		Â 0202	Ŕ 0212		Ȳ 0232		2
3	Ḃ 0183	Ɠ 0193	ᵒ 01A3	Ƴ 01B3	! 01C3	Ǔ 01D3	ǣ 01E3		â 0203	ŕ 0213		ȳ 0233		3
4	Ḅ 0184	Ɣ 0194	ᵓ 01A4	ƴ 01B4		ǔ 01D4		Ć 01F4	È 0204	Û 0214	Ƶ 0224	ɓ 0234	Ƨ 0244	4
5	ḅ 0185	ḥ 0195	ᵕ 01A5	ƹ 01B5		ǖ 01D5		ć 01F5	è 0205	ü 0215	ƶ 0225	ɔ̣ 0235	Λ 0245	5
6	Ɔ 0186	Ƨ 0196	Ɣ 01A6	Ʒ 01B6		Ǘ 01D6	Ǧ 01E6	Ḥ 01F6	Ê 0206	Û 0216	À 0226	ṭ 0236		6
7	Ɔ 0187	Ƨ 0197	Ɣ 01A7	Ʒ 01B7		Ǚ 01D7	ǧ 01E7		ê 0207	û 0217	à 0227	ƶ 0237		7
8	Ɔ 0188	Ƨ 0198	Ɣ 01A8	Ʒ 01B8		Ǚ 01D8	Ǩ 01E8	Ḥ 01F8	Ï 0208	Ş 0218	Ɛ 0228	ṭ 0238		8
9	Ɔ 0189	Ƨ 0199	Ɣ 01A9	Ʒ 01B9		Ǚ 01D9	ǩ 01E9	Ḥ 01F9	ì 0209	ş 0219	ę 0229	ṭ 0239		9
A	Ɔ 018A	Ƨ 019A	Ɣ 01AA	Ʒ 01BA		Ǚ 01DA	Ɔ 01EA		Î 020A	Ƨ 021A	Ō 022A	Ɔ 023A		A
B	Ɔ 018B	Ƨ 019B	Ɣ 01AB	Ʒ 01BB		Ǚ 01DB	Ɔ 01EB		î 020B	Ƨ 021B	ō 022B	Ɔ 023B		B
C	Ɔ 018C	Ƨ 019C	Ɣ 01AC	Ʒ 01BC		Ǚ 01DC	Ō 01EC	Ɔ 01FC	Ò 020C	ƶ 021C	Ō 022C	Ɔ 023C	Ɔ 024C	C
D	Ɔ 018D	Ƨ 019D	Ɣ 01AD	Ʒ 01BD	Ǻ 01CD	ə 01DD	Ō 01ED	Ǻ 01FD	ò 020D	ƶ 021D	ō 022D	Ɔ 023D	Ɔ 024D	D
E	Ɔ 018E	Ƨ 019E	Ɣ 01AE	Ʒ 01BE	Ǻ 01CE	Ā 01DE	Ǻ 01EE	Ǻ 01FE	ô 020E	Ĥ 021E	ò 022E	Ɔ 023E		E
F	Ɔ 018F	Ƨ 019F	Ɣ 01AF	Ʒ 01BF	Ǻ 01CF	ā 01DF	Ǻ 01EF	Ǻ 01FF	ô 020F	Ĥ 021F	ò 022F	Ɔ 023F		F

DejaVu Sans Mono

IPA Extensions

	025	026	027	028	029	02A	
0	ɐ 0250	ɟ 0260	ɥ 0270	ʀ 0280	ɹ 0290	ɻ 02A0	0
1	ɑ 0251	ɡ 0261	ŋ 0271	ɸ 0281	ʐ 0291	ʑ 02A1	1
2	ɒ 0252	ɠ 0262	ɲ 0272	ɣ 0282	ʒ 0292	ʝ 02A2	2
3	ɓ 0253	ɣ 0263	ɳ 0273	ʃ 0283	ʐ 0293	ɻ 02A3	3
4	ɔ 0254	ɣ 0264	ɴ 0274	ɸ 0284	ʐ 0294	ɻ 02A4	4
5	ɛ 0255	ɥ 0265	ɵ 0275	ɹ 0285	ɻ 0295	ɻ 02A5	5
6	ɖ 0256	ɦ 0266	ɛ 0276	ɹ 0286	ɻ 0296	ɻ 02A6	6
7	ɖ 0257	ɦ 0267	ɛ 0277	ɹ 0287	ɻ 0297	ɻ 02A7	7
8	ɐ 0258	ɟ 0268	ɥ 0278	ʀ 0288	ɹ 0298	ɻ 02A8	8
9	ə 0259	ɹ 0269	ɹ 0279	ɸ 0289	ɸ 0299	ɸ 02A9	9
A	ɐ 025A	ɟ 026A	ɥ 027A	ʀ 028A	ɹ 029A	ɻ 02AA	A
B	ɛ 025B	ɥ 026B	ɹ 027B	ɹ 028B	ɹ 029B	ɻ 02AB	B
C	ɛ 025C	ɥ 026C	ɹ 027C	ɹ 028C	ɹ 029C	ɻ 02AC	C
D	ɐ 025D	ɟ 026D	ɥ 027D	ʀ 028D	ɹ 029D	ɻ 02AD	D
E	ɐ 025E	ɟ 026E	ɥ 027E	ʀ 028E	ɹ 029E	ɻ 02AE	E
F	ɐ 025F	ɟ 026F	ɥ 027F	ʀ 028F	ɹ 029F	ɻ 02AF	F

DejaVu Sans Mono

Spacing Modifier Letters

	02B	02C	02D	02E	02F	
0	h 02B0	ʔ 02C0	˘ 02D0	ȝ 02E0		0
1	ħ 02B1	ƒ 02C1	˘ 02D1	Ț 02E1		1
2	j 02B2		˘ 02D2	ſ 02E2		2
3	r 02B3		˘ 02D3	x 02E3	◦ 02F3	3
4	ɹ 02B4			ƒ 02E4		4
5	ɻ 02B5			ɿ 02E5		5
6	ʁ 02B6	ˆ 02C6	+ 02D6	ɿ 02E6		6
7	w 02B7	˘ 02C7	- 02D7	ɿ 02E7		7
8	y 02B8	ˆ 02C8	˘ 02D8	ɿ 02E8		8
9	ı 02B9	ˉ 02C9	˙ 02D9	ɿ 02E9		9
A			◦ 02DA			A
B	ı 02BB		˘ 02DB			B
C	ı 02BC	ı 02CC	˘ 02DC			C
D	ı 02BD	ˉ 02CD	˘ 02DD			D
E	˘ 02BE		˘ 02DE	˘ 02EE		E
F	˘ 02BF					F

DejaVu Sans Mono

Combining Diacritical Marks

	030	031	032	033	034	035	036	
0	0300	0310	0320	0330				0
1	0301	0311	0321	0331			0361	1
2	0302	0312	0322	0332				2
3	0303	0313	0323	0333	0343			3
4	0304	0314	0324	0334				4
5	0305	0315	0325	0335				5
6	0306	0316	0326	0336				6
7	0307	0317	0327	0337				7
8	0308	0318	0328	0338		0358		8
9	0309	0319	0329	0339				9
A	030A	031A	032A	033A				A
B	030B	031B	032B	033B				B
C	030C	031C	032C	033C				C
D	030D	031D	032D	033D				D
E	030E	031E	032E	033E				E
F	030F	031F	032F	033F				F

DejaVu Sans Mono

Greek and Coptic

	037	038	039	03A	03B	03C	03D	03E	03F	
0			ΐ 0390	Π 03A0	ΰ 03B0	π 03C0	ϐ 03D0	ϣ 03E0	κ 03F0	0
1			Α 0391	Ρ 03A1	α 03B1	ρ 03C1	ϑ 03D1	λ 03E1	ϱ 03F1	1
2			Β 0392		β 03B2	ς 03C2	Υ 03D2		Ϸ 03F2	2
3			Γ 0393	Σ 03A3	γ 03B3	σ 03C3	Ϛ 03D3		ι 03F3	3
4	΄ 0374	΅ 0384	Δ 0394	Τ 03A4	δ 03B4	τ 03C4	Ϝ 03D4		θ 03F4	4
5	΄ 0375	Ά 0385	Ε 0395	Υ 03A5	ε 03B5	υ 03C5	φ 03D5		ε 03F5	5
6		Ά 0386	Ζ 0396	Φ 03A6	ζ 03B6	φ 03C6	ϖ 03D6		ε 03F6	6
7		· 0387	Η 0397	Χ 03A7	η 03B7	χ 03C7	ϝ 03D7		ϣ 03F7	7
8		Έ 0388	Θ 0398	Ψ 03A8	θ 03B8	ψ 03C8	Ϙ 03D8		ϣ 03F8	8
9		Ή 0389	Ι 0399	Ω 03A9	ι 03B9	ω 03C9	ϙ 03D9		Ϸ 03F9	9
A	΄ 037A	Ί 038A	Κ 039A	Ϊ 03AA	κ 03BA	ϊ 03CA	ς 03DA		Μ 03FA	A
B			Λ 039B	Ϋ 03AB	λ 03BB	ϣ 03CB	ς 03DB		Μ 03FB	B
C		Ό 038C	Μ 039C	Ά 03AC	μ 03BC	ό 03CC	Ϝ 03DC		ρ 03FC	C
D			Ν 039D	Έ 03AD	ν 03BD	ύ 03CD	ϝ 03DD		ϣ 03FD	D
E	΄ 037E	Ύ 038E	Ξ 039E	ή 03AE	ξ 03BE	ώ 03CE	ϝ 03DE		Ϸ 03FE	E
F		Ό 038F	Ο 039F	ί 03AF	ο 03BF		Ϝ 03DF		ϣ 03FF	F

DejaVu Sans Mono

Cyrillic

	040	041	042	043	044	045	046	047	048	049	04A	04B	04C	04D	04E	04F	
0	È 0400	А 0410	Р 0420	а 0430	р 0440	è 0450				Ґ 0490		Ү 04B0	І 04C0	Ǻ 04D0	З 04E0	ӱ 04F0	0
1	Ё 0401	Б 0411	С 0421	б 0431	с 0441	ё 0451				ґ 0491		ү 04B1	ӑ 04C1	ǻ 04D1	з 04E1	ӱ 04F1	1
2	Ђ 0402	В 0412	Т 0422	в 0432	т 0442	ђ 0452	џ 0462	Ѡ 0472		Ғ 0492	Ң 04A2	Ҳ 04B2	ӓ 04C2	Ǽ 04D2	й 04E2	ӱ 04F2	2
3	Ѓ 0403	Г 0413	У 0423	г 0433	у 0443	ѓ 0453	џ 0463	Ѡ 0473		Ғ 0493	Ң 04A3	Ҳ 04B3	ӓ 04C3	Ǽ 04D3	й 04E3	ӱ 04F3	3
4	Є 0404	Д 0414	Ф 0424	д 0434	ф 0444	є 0454				Ѓ 0494	Ң 04A4		ӓ 04C4	Ǽ 04D4	й 04E4	ӱ 04F4	4
5	Ѕ 0405	Е 0415	Х 0425	е 0435	х 0445	ѕ 0455				Ѓ 0495	Ң 04A5			æ 04D5	й 04E5	ӱ 04F5	5
6	І 0406	Ж 0416	Ц 0426	ж 0436	ц 0446	і 0456				Җ 0496				Ё 04D6	ӱ 04E6	Ғ 04F6	6
7	Ї 0407	З 0417	Ч 0427	з 0437	ч 0447	ї 0457				Җ 0497			Ң 04C7	ё 04D7	ӱ 04E7	Ғ 04F7	7
8	Ј 0408	И 0418	Ш 0428	и 0438	ш 0448	ј 0458				Ӣ 0498			Ң 04C8	ə 04D8	Ѡ 04E8	Ы 04F8	8
9	Љ 0409	Й 0419	Щ 0429	й 0439	щ 0449	љ 0459				Ӣ 0499				ə 04D9	Ѡ 04E9	Ы 04F9	9
A	Њ 040A	К 041A	Ѡ 042A	к 043A	ѡ 044A	њ 045A				Қ 049A	Ҫ 04AA	Һ 04BA		Ӑ 04DA	Ӑ 04EA		A
B	Ң 040B	Л 041B	Ы 042B	л 043B	ы 044B	ҥ 045B				Қ 049B	Ҫ 04AB	Һ 04BB	Ҫ 04CB	Ӑ 04DB	Ӑ 04EB		B
C	Ќ 040C	М 041C	Ь 042C	м 043C	ь 044C	ќ 045C					Ҫ 04AC		Ҫ 04CC	Ӑ 04DC	Ӑ 04EC		C
D	Ӑ 040D	Н 041D	Э 042D	н 043D	э 044D	ӑ 045D					Ҫ 04AD			Ӑ 04DD	Ӑ 04ED		D
E	ӑ 040E	О 041E	Ю 042E	о 043E	ю 044E	ӓ 045E					Ҫ 04AE			Ӑ 04DE	Ӑ 04EE		E
F	Ҫ 040F	П 041F	Я 042F	п 043F	я 044F	Ҫ 045F					Ҫ 04AF		Ӑ 04CF	Ӑ 04DF	Ӑ 04EF		F

DejaVu Sans Mono
Cyrillic Supplement

	050	051	052	
0		Ѐ 0510		0
1		Ё 0511		1
2				2
3				3
4				4
5				5
6				6
7				7
8				8
9				9
A		Қ 051A		A
B		қ 051B		B
C		Ғ 051C		C
D		ғ 051D		D
E				E
F				F

DejaVu Sans Mono

Arabic

	060	061	062	063	064	065	066	067	068	069	06A	06B	06C	06D	06E	06F	
0				ذ 0630	ـ 0640	ـ 0650	ـ 0660		پ 0680							ـ 06F0	0
1			ء 0621	ر 0631	ف 0641	س 0651	ا 0661			ڑ 0691						ا 06F1	1
2			آ 0622	ز 0632	ق 0642	و 0652	ب 0662									ب 06F2	2
3			أ 0623	س 0633	ك 0643	ـ 0653	س 0663		ج 0683							س 06F3	3
4			ؤ 0624	ش 0634	ل 0644	ء 0654	ع 0664	ء 0674	ج 0684		ف 06A4					ع 06F4	4
5		ط 0615	إ 0625	ص 0635	م 0645	ء 0655	و 0665									و 06F5	5
6	ٲ 0606		ئ 0626	ض 0636	ن 0646		ٲ 0666		چ 0686							ٲ 06F6	6
7	ٲ 0607		ا 0627	ط 0637	ه 0647		ٲ 0667		چ 0687							ٲ 06F7	7
8			ب 0628	ظ 0638	و 0648		ا 0668			ژ 0698						ا 06F8	8
9	٪ 0609		ة 0629	ع 0639	ى 0649		٩ 0669	ٹ 0679			ک 06A9					٩ 06F9	9
A	٪ 060A		ت 062A	غ 063A	ي 064A	٧ 065A	٪ 066A	ث 067A									A
B		؛ 061B	ث 062B		= 064B		ر 066B	پ 067B									B
C	، 060C		ج 062C		و 064C		، 066C						ى 06CC				C
D			ح 062D		= 064D		★ 066D										D
E			خ 062E		ـ 064E			پ 067E				ه 06BE					E
F		؟ 061F	د 062F		ع 064F			ث 067F			گ 06AF						F

DejaVu Sans Mono

Lao

	0E8	0E9	0EA	0EB	0EC	0ED	0EE	0EF
0				ູ 0EB0				
1	ກ 0E81		ງ 0EA1	ຸ 0EB1				
2	ຂ 0E82		ຢ 0EA2	າ 0EB2				
3			ຮ 0EA3	ຶາ 0EB3				
4	ຄ 0E84	ດ 0E94		ຈ 0EB4				
5		ຕ 0E95	ລ 0EA5	ຳ 0EB5				
6		ຖ 0E96		ອ 0EB6				
7	ງ 0E87	ທ 0E97	ວ 0EA7	ຸ 0EB7				
8	ຈ 0E88			ຸ 0EB8	ັ 0EC8			
9		ນ 0E99		ຸ 0EB9	ຸ 0EC9			
A	ຊ 0E8A	ບ 0E9A	ສ 0EAA		ຸ 0ECA			
B		ປ 0E9B	ຫ 0EAB	າ 0EBB	ັ 0ECB			
C		ຜ 0E9C		ຸ 0EBC	ຸ 0ECC			
D	ຍ 0E8D	ຝ 0E9D	ອ 0EAD		ັ 0ECD			
E		ພ 0E9E	ຮ 0EAE					
F		ຟ 0E9F	ຮ 0EAF					

DejaVu Sans Mono

Georgian

	10A	10B	10C	10D	10E	10F	
0				Ⴀ 10D0	Ⴁ 10E0	Ⴂ 10F0	0
1				Ⴃ 10D1	Ⴄ 10E1	Ⴅ 10F1	1
2				Ⴆ 10D2	Ⴇ 10E2	Ⴈ 10F2	2
3				Ⴉ 10D3	Ⴊ 10E3	Ⴋ 10F3	3
4				Ⴌ 10D4	Ⴍ 10E4	Ⴎ 10F4	4
5				Ⴏ 10D5	Ⴐ 10E5	Ⴑ 10F5	5
6				Ⴒ 10D6	Ⴓ 10E6	Ⴔ 10F6	6
7				Ⴗ 10D7	Ⴘ 10E7	Ⴙ 10F7	7
8				Ⴜ 10D8	Ⴝ 10E8	Ⴞ 10F8	8
9				Ⴟ 10D9	Ⴀ 10E9	Ⴁ 10F9	9
A				Ⴃ 10DA	Ⴄ 10EA	Ⴅ 10FA	A
B				Ⴈ 10DB	Ⴉ 10EB	Ⴊ 10FB	B
C				Ⴍ 10DC	Ⴎ 10EC	Ⴏ 10FC	C
D				Ⴑ 10DD	Ⴒ 10ED		D
E				Ⴔ 10DE	Ⴕ 10EE		E
F				Ⴗ 10DF	Ⴘ 10EF		F

DejaVu Sans Mono

Phonetic Extensions

	1D0	1D1	1D2	1D3	1D4	1D5	1D6	1D7	
0				D 1D30	T 1D40	m 1D50			0
1				E 1D31	U 1D41	ŋ 1D51			1
2	æ 1D02			Ǝ 1D32	W 1D42	o 1D52	i 1D62		2
3				G 1D33	a 1D43	ɔ 1D53	r 1D63		3
4		ə 1D14		H 1D34	e 1D44	ˆ 1D54	u 1D64		4
5				I 1D35	ɑ 1D45	˘ 1D55	v 1D65		5
6		˘ 1D16		J 1D36	æ 1D46	p 1D56			6
7		˘ 1D17		K 1D37	b 1D47	t 1D57		6 1D77	7
8	3 1D08			L 1D38	d 1D48	u 1D58		H 1D78	8
9	Ṭ 1D09			M 1D39	e 1D49	ɔ̃ 1D59			9
A				N 1D3A	ə 1D4A	ʍ 1D5A			A
B				И 1D3B	ε 1D4B	ʌ 1D5B		Ǝ 1D7B	B
C			A 1D2C	O 1D3C	ɜ 1D4C				C
D		ɯ 1D1D	Æ 1D2D		g 1D4D				D
E		ːɯ 1D1E	B 1D2E	P 1D3E	Ṭ 1D4E				E
F		≡ 1D1F		R 1D3F	k 1D4F				F

DejaVu Sans Mono

Phonetic Extensions Supplement

	1D8	1D9	1DA	1DB	
0			ƒ 1DA0	ɴ 1DB0	0
1			ɶ 1DA1	ɵ 1DB1	1
2			ɢ 1DA2	ϥ 1DB2	2
3			ɥ 1DA3	ɷ 1DB3	3
4			ɨ 1DA4	ɳ 1DB4	4
5	ɹ 1D85		ɻ 1DA5	ɥ 1DB5	5
6			ɿ 1DA6	ɥ 1DB6	6
7			ɿ 1DA7	ɥ 1DB7	7
8			ɶ 1DA8		8
9			ɹ 1DA9	ɥ 1DB9	9
A			ɹ 1DAA	ɿ 1DBA	A
B		ɹ 1D9B	ɿ 1DAB	ɿ 1DBB	B
C		ɿ 1D9C	ɿ 1DAC	ɿ 1DBC	C
D		ɿ 1D9D	ɿ 1DAD	ɿ 1DBD	D
E		ɿ 1D9E	ɿ 1DAE	ɿ 1DBE	E
F		ɿ 1D9F	ɿ 1DAF	ɿ 1DBF	F

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Latin Extended Additional

	1E0	1E1	1E2	1E3	1E4	1E5	1E6	1E7	1E8	1E9	1EA	1EB	1EC	1ED	1EE	1EF	
0	À 1E00	Á 1E01	Â 1E02	Ã 1E03	Ä 1E04		Å 1E05	Æ 1E06	Ç 1E07	Ĉ 1E08	Ċ 1E09	Č 1E0A			Ć 1E0B	Ď 1E0C	0
1	à 1E01	á 1E02	â 1E03	ã 1E04	ä 1E05		å 1E06	æ 1E07	ç 1E08	ĉ 1E09	ċ 1E0A	č 1E0B			ć 1E0C	ď 1E0D	1
2	Ā 1E02	Ă 1E03	Ȧ 1E04	Ą 1E05	Ȧ 1E06		Ȧ 1E07	Ȧ 1E08	Ȧ 1E09						Ȧ 1E0E	Ȧ 1E0F	2
3	ā 1E03	ă 1E04	ȧ 1E05	ą 1E06	ȧ 1E07		ȧ 1E08	ȧ 1E09	ȧ 1E0A						ȧ 1E0E	ȧ 1E0F	3
4	Ȧ 1E04		Ȧ 1E24	Ȧ 1E34	Ȧ 1E44	Ȧ 1E54		Ȧ 1E74	Ȧ 1E84	Ȧ 1E94					Ȧ 1EE4	Ȧ 1EF4	4
5	ȧ 1E05		ȧ 1E25	ȧ 1E35	ȧ 1E45	ȧ 1E55		ȧ 1E75	ȧ 1E85	ȧ 1E95					ȧ 1EE5	ȧ 1EF5	5
6	Ȧ 1E06		Ȧ 1E26	Ȧ 1E36	Ȧ 1E46	Ȧ 1E56		Ȧ 1E76	Ȧ 1E86	Ȧ 1E96		Ȧ 1EB6	Ȧ 1EC6				6
7	ȧ 1E07		ȧ 1E27	ȧ 1E37	ȧ 1E47	ȧ 1E57		ȧ 1E77	ȧ 1E87	ȧ 1E97		ȧ 1EB7	ȧ 1EC7				7
8	Ć 1E08	Ė 1E18	Ħ 1E28	Ĺ 1E38	Ń 1E48	Ŕ 1E58	Ś 1E68	Ŭ 1E78	Ẁ 1E88	ẁ 1E98		Ę 1EB8		Ô 1ED8	Ų 1EE8	Ỹ 1EF8	8
9	ć 1E09	ė 1E19	ħ 1E29	ĺ 1E39	ń 1E49	ŕ 1E59	ś 1E69	ŭ 1E79	ẁ 1E89	ẃ 1E99		ę 1EB9		ô 1ED9	ų 1EE9	ỹ 1EF9	9
A	Ď 1E0A	Ě 1E1A	Ħ 1E2A	Ĺ 1E3A	Ń 1E4A	Ŕ 1E5A	Ȧ 1E6A	Ȧ 1E8A					Ȧ 1ECA	Ȧ 1EDA	Ȧ 1EEA		A
B	ď 1E0B	ě 1E1B	ħ 1E2B	ĺ 1E3B	ń 1E4B	ŕ 1E5B	ȧ 1E6B	ȧ 1E8B	ȧ 1E9B				ȧ 1ECB	ȧ 1EDB	ȧ 1EEB		B
C	Ȧ 1E0C	Ȧ 1E1C	Ȧ 1E2C	Ȧ 1E3C	Ȧ 1E4C	Ȧ 1E5C	Ȧ 1E6C	Ȧ 1E7C	Ȧ 1E8C		Ȧ 1EAC	Ȧ 1EBC	Ȧ 1ECC	Ȧ 1EDC			C
D	ȧ 1E0D	ȧ 1E1D	ȧ 1E2D	ȧ 1E3D	ȧ 1E4D	ȧ 1E5D	ȧ 1E6D	ȧ 1E7D	ȧ 1E8D		ȧ 1EAD	ȧ 1EBD	ȧ 1ECD	ȧ 1EDD			D
E	Ȧ 1E0E	Ȧ 1E1E		Ȧ 1E3E		Ȧ 1E5E	Ȧ 1E6E	Ȧ 1E7E	Ȧ 1E8E						Ȧ 1EEE		E
F	ȧ 1E0F	ȧ 1E1F		ȧ 1E3F		ȧ 1E5F	ȧ 1E6F	ȧ 1E7F	ȧ 1E8F	ȧ 1E9F					ȧ 1EEF		F

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Greek Extended

	1F0	1F1	1F2	1F3	1F4	1F5	1F6	1F7	1F8	1F9	1FA	1FB	1FC	1FD	1FE	1FF	
0	ᲀ 1F00	ᲁ 1F10	ᲂ 1F20	ᲃ 1F30	ᲄ 1F40	ᲅ 1F50	ᲆ 1F60	ᲇ 1F70	ᲈ 1F80	Ᲊ 1F90	Ა 1FA0	Ბ 1FB0	Გ 1FC0	Დ 1FD0	Ე 1FE0		0
1	ᲀ̃ 1F01	ᲁ̃ 1F11	ᲂ̃ 1F21	ᲃ̃ 1F31	ᲄ̃ 1F41	ᲅ̃ 1F51	ᲆ̃ 1F61	ᲇ̃ 1F71	ᲈ̃ 1F81	Ᲊ̃ 1F91	Ა̃ 1FA1	Ბ̃ 1FB1	Გ̃ 1FC1	Დ̃ 1FD1	Ე̃ 1FE1		1
2	ᲀ̂ 1F02	ᲁ̂ 1F12	ᲂ̂ 1F22	ᲃ̂ 1F32	ᲄ̂ 1F42	ᲅ̂ 1F52	ᲆ̂ 1F62	ᲇ̂ 1F72	ᲈ̂ 1F82	Ᲊ̂ 1F92	Ა̂ 1FA2	Ბ̂ 1FB2	Გ̂ 1FC2	Დ̂ 1FD2	Ე̂ 1FE2	Ვ̂ 1FF2	2
3	ᲀ̇ 1F03	ᲁ̇ 1F13	ᲂ̇ 1F23	ᲃ̇ 1F33	ᲄ̇ 1F43	ᲅ̇ 1F53	ᲆ̇ 1F63	ᲇ̇ 1F73	ᲈ̇ 1F83	Ᲊ̇ 1F93	Ა̇ 1FA3	Ბ̇ 1FB3	Გ̇ 1FC3	Დ̇ 1FD3	Ე̇ 1FE3	Ვ̇ 1FF3	3
4	ᲀ̣ 1F04	ᲁ̣ 1F14	ᲂ̣ 1F24	ᲃ̣ 1F34	ᲄ̣ 1F44	ᲅ̣ 1F54	ᲆ̣ 1F64	ᲇ̣ 1F74	ᲈ̣ 1F84	Ᲊ̣ 1F94	Ა̣ 1FA4	Ბ̣ 1FB4	Გ̣ 1FC4		Ე̣ 1FE4	Ვ̣ 1FF4	4
5	ᲀ̤ 1F05	ᲁ̤ 1F15	ᲂ̤ 1F25	ᲃ̤ 1F35	ᲄ̤ 1F45	ᲅ̤ 1F55	ᲆ̤ 1F65	ᲇ̤ 1F75	ᲈ̤ 1F85	Ᲊ̤ 1F95	Ა̤ 1FA5				Ე̤ 1FE5		5
6	ᲀ̥ 1F06		ᲂ̥ 1F26	ᲃ̥ 1F36		ᲅ̥ 1F56	ᲆ̥ 1F66	ᲇ̥ 1F76	ᲈ̥ 1F86	Ᲊ̥ 1F96	Ა̥ 1FA6	Ბ̥ 1FB6	Გ̥ 1FC6	Დ̥ 1FD6	Ე̥ 1FE6	Ვ̥ 1FF6	6
7	ᲀ̦ 1F07		ᲂ̦ 1F27	ᲃ̦ 1F37		ᲅ̦ 1F57	ᲆ̦ 1F67	ᲇ̦ 1F77	ᲈ̦ 1F87	Ᲊ̦ 1F97	Ა̦ 1FA7	Ბ̦ 1FB7	Გ̦ 1FC7	Დ̦ 1FD7	Ე̦ 1FE7	Ვ̦ 1FF7	7
8	Ა̸ 1F08	Ბ̸ 1F18	Გ̸ 1F28	Დ̸ 1F38	Ე̸ 1F48		Ზ̸ 1F68	Თ̸ 1F78	Ი̸ 1F88	Კ̸ 1F98	Ლ̸ 1FA8	Მ̸ 1FB8	Ნ̸ 1FC8	Ო̸ 1FD8	Პ̸ 1FE8	Ჟ̸ 1FF8	8
9	Ა̡ 1F09	Ბ̡ 1F19	Გ̡ 1F29	Დ̡ 1F39	Ე̡ 1F49	Ვ̡ 1F59	Ზ̡ 1F69	Თ̡ 1F79	Ი̡ 1F89	Კ̡ 1F99	Ლ̡ 1FA9	Მ̡ 1FB9	Ნ̡ 1FC9	Ო̡ 1FD9	Პ̡ 1FE9	Ჟ̡ 1FF9	9
A	Ა̸̣ 1F0A	Ბ̸̣ 1F1A	Გ̸̣ 1F2A	Დ̸̣ 1F3A	Ე̸̣ 1F4A		Ზ̸̣ 1F6A	Თ̸̣ 1F7A	Ი̸̣ 1F8A	Კ̸̣ 1F9A	Ლ̸̣ 1FAA	Მ̸̣ 1FBA	Ნ̸̣ 1FCA	Ო̸̣ 1FDA	Პ̸̣ 1FEA	Ჟ̸̣ 1FFA	A
B	Ა̡̣ 1F0B	Ბ̡̣ 1F1B	Გ̡̣ 1F2B	Დ̡̣ 1F3B	Ე̡̣ 1F4B	Ვ̡̣ 1F5B	Ზ̡̣ 1F6B	Თ̡̣ 1F7B	Ი̡̣ 1F8B	Კ̡̣ 1F9B	Ლ̡̣ 1FAB	Მ̡̣ 1FBB	Ნ̡̣ 1FCB	Ო̡̣ 1FDB	Პ̡̣ 1FEB	Ჟ̡̣ 1FFB	B
C	Ა̣̇ 1F0C	Ბ̣̇ 1F1C	Გ̣̇ 1F2C	Დ̣̇ 1F3C	Ე̣̇ 1F4C		Ზ̣̇ 1F6C	Თ̣̇ 1F7C	Ი̣̇ 1F8C	Კ̣̇ 1F9C	Ლ̣̇ 1FAC	Მ̣̇ 1FBC	Ნ̣̇ 1FCC		Პ̣̇ 1FEC	Ჟ̣̇ 1FFC	C
D	Ა̣̣ 1F0D	Ბ̣̣ 1F1D	Გ̣̣ 1F2D	Დ̣̣ 1F3D	Ე̣̣ 1F4D	Ვ̣̣ 1F5D	Ზ̣̣ 1F6D	Თ̣̣ 1F7D	Ი̣̣ 1F8D	Კ̣̣ 1F9D	Ლ̣̣ 1FAD	Მ̣̣ 1FBD	Ნ̣̣ 1FCD	Ო̣̣ 1FDD	Პ̣̣ 1FED	Ჟ̣̣ 1FFD	D
E	Ა̣̥ 1F0E		ᲂ̣̥ 1F2E	ᲃ̣̥ 1F3E		ᲅ̣̥ 1F5E	ᲆ̣̥ 1F6E		ᲈ̣̥ 1F8E	Ᲊ̣̥ 1F9E	Ა̣̥ 1FAE	Ბ̣̥ 1FBE	Გ̣̥ 1FCE	Დ̣̥ 1FDE	Ე̣̥ 1FEE	Ვ̣̥ 1FFE	E
F	Ა̣̦ 1F0F		ᲂ̣̦ 1F2F	ᲃ̣̦ 1F3F		ᲅ̣̦ 1F5F	ᲆ̣̦ 1F6F		ᲈ̣̦ 1F8F	Ᲊ̣̦ 1F9F	Ა̣̦ 1FAF	Ბ̣̦ 1FBF	Გ̣̦ 1FCF	Დ̣̦ 1FDF	Ე̣̦ 1FEF		F

DejaVu Sans Mono
General Punctuation

	200	201	202	203	204	205	206	
0	<div>2000</div>	<div>2010</div>	<div>2020</div>	<div>2030</div>				0
1	<div>2001</div>	<div>2011</div>	<div>2021</div>	<div>2031</div>				1
2	<div>2002</div>	<div>2012</div>	<div>2022</div>	<div>2032</div>				2
3	<div>2003</div>	<div>2013</div>	<div>2023</div>	<div>2033</div>				3
4	<div>2004</div>	<div>2014</div>		<div>2034</div>				4
5	<div>2005</div>	<div>2015</div>		<div>2035</div>	<div>2045</div>			5
6	<div>2006</div>		<div>2026</div>	<div>2036</div>	<div>2046</div>			6
7	<div>2007</div>	<div>2017</div>		<div>2037</div>	<div>2047</div>			7
8	<div>2008</div>	<div>2018</div>			<div>2048</div>			8
9	<div>2009</div>	<div>2019</div>		<div>2039</div>	<div>2049</div>			9
A	<div>200A</div>	<div>201A</div>		<div>203A</div>				A
B		<div>201B</div>						B
C		<div>201C</div>		<div>203C</div>				C
D		<div>201D</div>		<div>203D</div>				D
E		<div>201E</div>		<div>203E</div>				E
F		<div>201F</div>	<div>202F</div>			<div>205F</div>		F

DejaVu Sans Mono

Superscripts and Subscripts

	207	208	209	
0	0 2070	0 2080	a 2090	0
1	i 2071	1 2081	e 2091	1
2		2 2082	o 2092	2
3		3 2083	x 2093	3
4	4 2074	4 2084	ə 2094	4
5	5 2075	5 2085		5
6	6 2076	6 2086		6
7	7 2077	7 2087		7
8	8 2078	8 2088		8
9	9 2079	9 2089		9
A	+ 207A	+ 208A		A
B	— 207B	— 208B		B
C	= 207C	= 208C		C
D	(207D	(208D		D
E	) 207E	) 208E		E
F	n 207F			F

DejaVu Sans Mono

Currency Symbols

	20A	20B	20C
0	₣ 20A0	₧ 20B0	
1	₧ 20A1	₧ 20B1	
2	₧ 20A2	₧ 20B2	
3	₧ 20A3	₧ 20B3	
4	₧ 20A4	₧ 20B4	
5	₧ 20A5	₧ 20B5	
6	₧ 20A6		6
7	₧ 20A7		7
8	₧ 20A8	₧ 20B8	8
9	₧ 20A9	₧ 20B9	9
A	₧ 20AA		A
B	₧ 20AB		B
C	₧ 20AC		C
D	₧ 20AD		D
E	₧ 20AE		E
F	₧ 20AF		F

DejaVu Sans Mono
Letterlike Symbols

	210	211	212	213	214	
0						0
1						1
2	℄ 2102		™ 2122			2
3						3
4			ℤ 2124			4
5	% 2105	№ 2115				5
6		№ 2116	Ω 2126			6
7		Ⓢ 2117				7
8						8
9		ℙ 2119				9
A		ℚ 211A	℔ 212A			A
B			Å 212B			B
C						C
D	ℋ 210D	ℛ 211D				D
E	ℏ 210E		ℯ 212E			E
F	℧ 210F					F

















































































































DejaVu Sans Mono

Number Forms

	215	216	217	218	
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1					1
2					2
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4	$\frac{2}{3}$ 2154				4
5	$\frac{1}{5}$ 2155				5
6	$\frac{2}{5}$ 2156				6
7	$\frac{3}{5}$ 2157				7
8	$\frac{4}{5}$ 2158				8
9	$\frac{1}{6}$ 2159				9
A	$\frac{5}{6}$ 215A				A
B	$\frac{1}{8}$ 215B				B
C	$\frac{3}{8}$ 215C				C
D	$\frac{5}{8}$ 215D				D
E	$\frac{7}{8}$ 215E				E
F	$\frac{1}{}$ 215F				F

DejaVu Sans Mono

Arrows

	219	21A	21B	21C	21D	21E	21F	
0	 2190	 21A0	 21B0	 21C0	 21D0	 21E0	 21F0	0
1	 2191	 21A1	 21B1	 21C1	 21D1	 21E1	 21F1	1
2	 2192	 21A2	 21B2	 21C2	 21D2	 21E2	 21F2	2
3	 2193	 21A3	 21B3	 21C3	 21D3	 21E3	 21F3	3
4	 2194	 21A4	 21B4	 21C4	 21D4	 21E4	 21F4	4
5	 2195	 21A5	 21B5	 21C5	 21D5	 21E5	 21F5	5
6	 2196	 21A6	 21B6	 21C6	 21D6	 21E6	 21F6	6
7	 2197	 21A7	 21B7	 21C7	 21D7	 21E7	 21F7	7
8	 2198	 21A8	 21B8	 21C8	 21D8	 21E8	 21F8	8
9	 2199	 21A9	 21B9	 21C9	 21D9	 21E9	 21F9	9
A	 219A	 21AA	 21BA	 21CA	 21DA	 21EA	 21FA	A
B	 219B	 21AB	 21BB	 21CB	 21DB	 21EB	 21FB	B
C	 219C	 21AC	 21BC	 21CC	 21DC	 21EC	 21FC	C
D	 219D	 21AD	 21BD	 21CD	 21DD	 21ED	 21FD	D
E	 219E	 21AE	 21BE	 21CE	 21DE	 21EE	 21FE	E
F	 219F	 21AF	 21BF	 21CF	 21DF	 21EF	 21FF	F






















































































































DejaVu Sans Mono

Mathematical Operators

	220	221	222	223	224	225	226	227	228	229	22A	22B	22C	22D	22E	22F	
0	∇ 2200		\angle 2220			\doteq 2250	\neq 2260	\nlessdot 2270	\nlessgtr 2280	\sqsupset 2290	\boxtimes 22A0				\nlessgtr 22E0		0
1	\complement 2201	\sum 2211			\nlessgtr 2241	\doteq 2251	\equiv 2261	\nlessgtr 2271	\nlessgtr 2281	\sqsubseteq 2291	\boxplus 22A1				\nlessgtr 22E1		1
2	∂ 2202	$-$ 2212			\approx 2242	\doteq 2252	\neq 2262	\lesssim 2272	\subset 2282	\sqsupseteq 2292	\vdash 22A2				\nlessgtr 22E2		2
3	\exists 2203	\mp 2213			\approx 2243	\doteq 2253	\equiv 2263	\gtrsim 2273	\supset 2283		\vdash 22A3				\nlessgtr 22E3		3
4	\nlessgtr 2204			\div 2234	\neq 2244	\doteq 2254	\leq 2264	\nlessgtr 2274	\nlessgtr 2284		\top 22A4				\nlessgtr 22E4		4
5	\emptyset 2205	$/$ 2215		\div 2235	\equiv 2245	\doteq 2255	\geq 2265	\nlessgtr 2275	\nlessgtr 2285	\oplus 2295	\perp 22A5		\cdot 22C5		\nlessgtr 22E5		5
6	Δ 2206			\div 2236	\nlessgtr 2246	\doteq 2256	\leq 2266	\leq 2276	\subset 2286	\ominus 2296			\star 22C6		\nlessgtr 22E6		6
7	∇ 2207	$*$ 2217	\wedge 2227	\div 2237	\nlessgtr 2247	\doteq 2257	\geq 2267	\geq 2277	\supseteq 2287	\otimes 2297					\nlessgtr 22E7		7
8	\in 2208	\circ 2218	∇ 2228	\div 2238	\approx 2248	\doteq 2258	\nlessgtr 2268	\nlessgtr 2278	\nlessgtr 2288	\oslash 2298					\nlessgtr 22E8		8
9	\nlessgtr 2209	\bullet 2219	\cap 2229	\div 2239	\nlessgtr 2249	\doteq 2259	\nlessgtr 2269	\nlessgtr 2279	\nlessgtr 2289	\odot 2299					\nlessgtr 22E9		9
A	\in 220A	$\sqrt{}$ 221A	\cup 222A	\doteq 223A	\approx 224A	\doteq 225A		\nlessgtr 227A	\nlessgtr 228A	\odot 229A				\nlessgtr 22DA			A
B	\ni 220B	$\sqrt[3]{}$ 221B	\int 222B	\div 223B	\approx 224B	\doteq 225B		\nlessgtr 227B	\nlessgtr 228B	\otimes 229B				\nlessgtr 22DB			B
C	\nlessgtr 220C	$\sqrt[4]{}$ 221C	\iint 222C	\sim 223C	\leq 224C	\doteq 225C		\nlessgtr 227C		\ominus 229C				\nlessgtr 22DC			C
D	\ni 220D	α 221D	\iiint 222D	\sim 223D	\nlessgtr 224D	\doteq 225D	\nlessgtr 226D	\nlessgtr 227D		\ominus 229D			\nlessgtr 22CD	\nlessgtr 22DD			D
E		∞ 221E			\nlessgtr 224E	\doteq 225E	\nlessgtr 226E	\nlessgtr 227E		\boxplus 229E				\nlessgtr 22DE			E
F	\prod 220F	\angle 221F			\nlessgtr 224F	\doteq 225F	\nlessgtr 226F	\nlessgtr 227F	\sqsubset 228F	\boxminus 229F				\nlessgtr 22DF	\dots 22EF		F

DejaVu Sans Mono

Miscellaneous Technical

	230	231	232	233	234	235	236	237	238	239	23A	23B	23C	23D	23E	23F	
0	 2300	 2310	 2320			 2350	 2360	 2370	 2380		 23A0						0
1	 2301	 2311	 2321		 2341				 2381		 23A1						1
2	 2302	 2312			 2342	 2352			 2382		 23A2						2
3	 2303	 2313			 2343	 2353	 2363	 2373	 2383		 23A3						3
4	 2304	 2314			 2344	 2354	 2364	 2374			 23A4						4
5	 2305	 2315	 2325	 2335			 2365	 2375		 2395	 23A5						5
6	 2306		 2326					 2376			 23A6						6
7			 2327	 2337	 2347	 2357		 2377			 23A7						7
8	 2308	 2318	 2328	 2338	 2348	 2358	 2368	 2378	 2388		 23A8						8
9	 2309	 2319		 2339	 2349	 2359	 2369	 2379	 2389		 23A9						9
A	 230A			 233A		 235A		 237A	 238A		 23AA						A
B	 230B		 232B	 233B	 234B	 235B	 236B		 238B	 239B	 23AB						B
C	 230C	 231C		 233C	 234C	 235C	 236C			 239C	 23AC						C
D	 230D	 231D		 233D	 234D		 236D	 237D		 239D	 23AD						D
E	 230E	 231E		 233E		 235E	 236E			 239E	 23AE		 23CE				E
F	 230F	 231F				 235F	 236F			 239F			 23CF				F

































































































































DejaVu Sans Mono

Control Pictures

	240	241	242	243	
0					0
1					1
2					2
3			▣ 2423		3
4					4
5					5
6					6
7					7
8					8
9					9
A					A
B					B
C					C
D					D
E					E
F					F

































DejaVu Sans Mono

Box Drawing

	250	251	252	253	254	255	256	257	
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1	 2501	 2511	 2521	 2531	 2541	 2551	 2561	 2571	1
2	 2502	 2512	 2522	 2532	 2542	 2552	 2562	 2572	2
3	 2503	 2513	 2523	 2533	 2543	 2553	 2563	 2573	3
4	 2504	 2514	 2524	 2534	 2544	 2554	 2564	 2574	4
5	 2505	 2515	 2525	 2535	 2545	 2555	 2565	 2575	5
6	 2506	 2516	 2526	 2536	 2546	 2556	 2566	 2576	6
7	 2507	 2517	 2527	 2537	 2547	 2557	 2567	 2577	7
8	 2508	 2518	 2528	 2538	 2548	 2558	 2568	 2578	8
9	 2509	 2519	 2529	 2539	 2549	 2559	 2569	 2579	9
A	 250A	 251A	 252A	 253A	 254A	 255A	 256A	 257A	A
B	 250B	 251B	 252B	 253B	 254B	 255B	 256B	 257B	B
C	 250C	 251C	 252C	 253C	 254C	 255C	 256C	 257C	C
D	 250D	 251D	 252D	 253D	 254D	 255D	 256D	 257D	D
E	 250E	 251E	 252E	 253E	 254E	 255E	 256E	 257E	E
F	 250F	 251F	 252F	 253F	 254F	 255F	 256F	 257F	F

































































































DejaVu Sans Mono

Block Elements






















































































































































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3	 2583	 2593	3
4	 2584	 2594	4
5	 2585	 2595	5
6	 2586	 2596	6
7	 2587	 2597	7
8	 2588	 2598	8
9	 2589	 2599	9
A	 258A	 259A	A
B	 258B	 259B	B
C	 258C	 259C	C
D	 258D	 259D	D
E	 258E	 259E	E
F	 258F	 259F	F

DejaVu Sans Mono

Geometric Shapes

































































































































































































	25A	25B	25C	25D	25E	25F	
0	 25A0	 25B0	 25C0	 25D0	 25E0	 25F0	0
1	 25A1	 25B1	 25C1	 25D1	 25E1	 25F1	1
2	 25A2	 25B2	 25C2	 25D2	 25E2	 25F2	2
3	 25A3	 25B3	 25C3	 25D3	 25E3	 25F3	3
4	 25A4	 25B4	 25C4	 25D4	 25E4	 25F4	4
5	 25A5	 25B5	 25C5	 25D5	 25E5	 25F5	5
6	 25A6	 25B6	 25C6	 25D6	 25E6	 25F6	6
7	 25A7	 25B7	 25C7	 25D7	 25E7	 25F7	7
8	 25A8	 25B8	 25C8	 25D8	 25E8	 25F8	8
9	 25A9	 25B9	 25C9	 25D9	 25E9	 25F9	9
A	 25AA	 25BA	 25CA	 25DA	 25EA	 25FA	A
B	 25AB	 25BB	 25CB	 25DB	 25EB	 25FB	B
C	 25AC	 25BC	 25CC	 25DC	 25EC	 25FC	C
D	 25AD	 25BD	 25CD	 25DD	 25ED	 25FD	D
E	 25AE	 25BE	 25CE	 25DE	 25EE	 25FE	E
F	 25AF	 25BF	 25CF	 25DF	 25EF	 25FF	F

Miscellaneous Symbols

	260	261	262	263	264	265	266	267	268	269	26A	26B	26C	26D	26E	26F
0	 2600	 2610	 2620		 2640	 2650	 2660	 2670	 2680	 2690	 26A0	 26B0				
1	 2601	 2611	 2621		 2641	 2651	 2661	 2671	 2681	 2691	 26A1	 26B1				
2	 2602	 2612	 2622		 2642	 2652	 2662	 2672	 2682	 2692						
3	 2603	 2613	 2623		 2643	 2653	 2663	 2673	 2683	 2693						
4	 2604	 2614	 2624		 2644	 2654	 2664	 2674	 2684	 2694						
5	 2605	 2615	 2625		 2645	 2655	 2665	 2675	 2685	 2695						
6	 2606	 2616	 2626		 2646	 2656	 2666	 2676	 2686	 2696						
7	 2607	 2617	 2627		 2647	 2657	 2667	 2677	 2687	 2697						
8	 2608	 2618	 2628	 2638	 2648	 2658	 2668	 2678	 2688	 2698						
9	 2609	 2619	 2629	 2639	 2649	 2659	 2669	 2679	 2689	 2699						
A	 260A	 261A	 262A	 263A	 264A	 265A	 266A	 267A	 268A	 269A						
B	 260B	 261B	 262B	 263B	 264B	 265B	 266B	 267B	 268B	 269B						
C	 260C	 261C	 262C	 263C	 264C	 265C	 266C	 267C		 269C						
D	 260D	 261D	 262D	 263D	 264D	 265D	 266D	 267D								
E	 260E	 261E	 262E	 263E	 264E	 265E	 266E	 267E								
F	 260F	 261F	 262F	 263F	 264F	 265F	 266F	 267F								






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Dingbats

	270	271	272	273	274	275	276	277	278	279	27A	27B	
0													0
	2710	2720	2730	2740	2750	2770				27A0			
1													1
	2701	2711	2721	2731	2741	2751	2761	2771			27A1	27B1	
2													2
	2702	2712	2722	2732	2742	2752	2762	2772			27A2	27B2	
3													3
	2703	2713	2723	2733	2743		2763	2773			27A3	27B3	
4													4
	2704	2714	2724	2734	2744		2764	2774		2794	27A4	27B4	
5													5
	2715	2725	2735	2745		2765	2775				27A5	27B5	
6													6
	2706	2716	2726	2736	2746	2756	2766				27A6	27B6	
7													7
	2707	2717	2727	2737	2747		2767				27A7	27B7	
8													8
	2708	2718		2738	2748	2758	2768			2798	27A8	27B8	
9													9
	2709	2719	2729	2739	2749	2759	2769			2799	27A9	27B9	
A													A
	271A	272A	273A	274A	275A	276A				279A	27AA	27BA	
B													B
	271B	272B	273B	274B	275B	276B				279B	27AB	27BB	
C													C
	270C	271C	272C	273C		275C	276C			279C	27AC	27BC	
D													D
	270D	271D	272D	273D	274D	275D	276D			279D	27AD	27BD	
E													E
	270E	271E	272E	273E		275E	276E			279E	27AE	27BE	
F													F
	270F	271F	272F	273F	274F		276F			279F	27AF		

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Miscellaneous Mathematical Symbols-A

	27C	27D	27E	
0				0
			27E0	
1				1
2				2
3				3
4				4
5				5
	27C5			
6				6
	27C6			
7				7
8				8
			27E8	
9				9
			27E9	
A				A
B				B
C				C
D				D
E				E
F				F

Miscellaneous Mathematical Symbols-B

[illegible]

Supplemental Mathematical Operators

[illegible]

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Miscellaneous Symbols and Arrows

[illegible]

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Latin Extended-C

	2C6	2C7	
0		Đ 2C70	0
1			1
2			2
3			3
4	Ŕ 2C64		4
5		Ƨ 2C75	5
6		Ƨ 2C76	6
7		ϯ 2C77	7
8			8
9		Ƨ 2C79	9
A		ϯ 2C7A	A
B			B
C		Ƨ 2C7C	C
D	ǻ 2C6D	Ƨ 2C7D	D
E	Ƨ 2C6E	Ƨ 2C7E	E
F	Ƨ 2C6F	Ƨ 2C7F	F

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Supplemental Punctuation

	2E0	2E1	2E2	2E3	2E4	2E5	2E6	2E7
0								
1								
2			Г 2E22					
3			Г 2E23					
4			Г 2E24					
5			Г 2E25					
6								
7								
8		д 2E18						
9								
A								
B								
C								
D								
E			Г 2E2E					
F								

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Modifier Tone Letters

	A70	A71	
0		ḷ A710	0
1		l̇ A711	1
2		l̂ A712	2
3		ḷ̣ A713	3
4		ḷ̇ A714	4
5		ḷ̂ A715	5
6		ḷ̣̣ A716	6
7			7
8	ḷ̣̣̣ A708		8
9	ḷ̣̣̣̣ A709		9
A	ḷ̣̣̣̣̣ A70A		A
B	ḷ̣̣̣̣̣̣ A70B	↑ A71B	B
C	ḷ̣̣̣̣̣̣̣ A70C	↓ A71C	C
D	ḷ̣̣̣̣̣̣̣̣ A70D	! A71D	D
E	ḷ̣̣̣̣̣̣̣̣̣ A70E	i A71E	E
F	ḷ̣̣̣̣̣̣̣̣̣̣ A70F	i A71F	F

Latin Extended-D

[illegible]

Private Use Area

[illegible]

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Alphabetic Presentation Forms

	FB0	FB1	FB2	FB3	FB4	
0						0
1	fi FB01					1
2	fl FB02					2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
A						A
B						B
C						C
D						D
E						E
F						F

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Arabic Presentation Forms-A

	FB5	FB6	FB7	FB8	FB9	FBA	FBB	FBC	FBD	FBE	FBF	FC0	FC1	FC2	FC3	FC4	
0		ز FB60	ق FB70	چ FB80	ك FB90												0
1		ذ FB61	قف FB71	چھ FB81	ڪ FB91												1
2	پ FB52	ث FB62	ج FB72		گ FB92												2
3	پ FB53	ث FB63	ج FB73		گ FB93												3
4	پ FB54	ث FB64	چ FB74		گ FB94												4
5	پ FB55	ث FB65	چ FB75		گ FB95												5
6	پ FB56	ٹ FB66	ج FB76														6
7	پ FB57	ٹ FB67	ج FB77														7
8	پ FB58	ڑ FB68	چ FB78							ر FBE8							8
9	پ FB59	ڑ FB69	چ FB79							ر FBE9							9
A	پ FB5A	ف FB6A	چ FB7A	ژ FB8A		ھ FBAA											A
B	پ FB5B	ف FB6B	چ FB7B	ژ FB8B		ھ FBAB											B
C	پ FB5C	و FB6C	چ FB7C	ڑ FB8C		ھ FBAC				ی FBFC							C
D	پ FB5D	ف FB6D	چ FB7D	ڑ FB8D		ھ FBAD				ی FBFD							D
E	ن FB5E	ق FB6E	چ FB7E	ک FB8E	ں FB9E					ی FBFE							E
F	ن FB5F	ق FB6F	چ FB7F	ک FB8F	ں FB9F					ی FBFF							F


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Arabic Presentation Forms-B

	FE7	FE8	FE9	FEA	FEB	FEC	FED	FEE	FEF	
0	◌ْ FE70	◌َ FE80	◌ِ FE90	ج FEA0	ز FEB0	ض FEC0	غ FED0	ل FEE0	ي FEF0	0
1	◌ُ FE71	◌ِ FE81	◌ِ FE91	ح FEA1	س FEB1	ط FEC1	ف FED1	م FEE1	ي FEF1	1
2	◌ُ FE72	◌ِ FE82	◌ِ FE92	ح FEA2	س FEB2	ط FEC2	ف FED2	م FEE2	ي FEF2	2
3	◌ُ FE73	◌ِ FE83	ة FE93	ح FEA3	س FEB3	ط FEC3	ف FED3	م FEE3	ي FEF3	3
4	◌ْ FE74	◌َ FE84	ة FE94	ح FEA4	س FEB4	ط FEC4	غ FED4	م FEE4	ي FEF4	4
5		ؤ FE85	ت FE95	خ FEA5	ش FEB5	ظ FEC5	ق FED5	ن FEE5	لَا FEF5	5
6	◌ْ FE76	ؤ FE86	ت FE96	خ FEA6	ش FEB6	ظ FEC6	ق FED6	ن FEE6	لَا FEF6	6
7	◌ْ FE77	إ FE87	ت FE97	خ FEA7	ش FEB7	ظ FEC7	ق FED7	ن FEE7	لَا FEF7	7
8	◌ْ FE78	إ FE88	ت FE98	خ FEA8	ش FEB8	ظ FEC8	ق FED8	ن FEE8	لَا FEF8	8
9	◌ْ FE79	ئ FE89	ث FE99	د FEA9	ص FEB9	ع FEC9	ك FED9	ه FEE9	لَا FEF9	9
A	◌ْ FE7A	ئ FE8A	ث FE9A	د FEAA	ص FEBa	ع FECa	ك FEDa	ه FEEa	لَا FEFa	A
B	◌ْ FE7B	ر FE8B	ث FE9B	ذ FEAB	ص FEBB	ع FECB	ك FEDB	ه FEEB	لَا FEFB	B
C	◌ْ FE7C	ر FE8C	ث FE9C	ذ FEAC	ص FEBc	ع FECc	ك FEDc	ه FEEc	لَا FEFc	C
D	◌ْ FE7D	ا FE8D	ج FE9D	ر FEAD	ض FEBD	غ FECd	ل FEDD	و FEED		D
E	◌ْ FE7E	ا FE8E	ج FE9E	ر FEAE	ض FEBE	غ FECE	ل FEDE	و FEEE		E
F	◌ْ FE7F	ب FE8F	ج FE9F	ز FEAF	ض FEBF	غ FECF	ل FEDF	ي FEEF		F

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Specials

	FFF	
0		0
1		1
2		2
3		3
4		4
5		5
6		6
7		7
8		8
9	FFF9	9
A	FFFA	A
B	FFFB	B
C	FFFC	C
D	 FFFD	D
E		E
F		F

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Mathematical Alphanumeric Symbols

	1D60	1D61	1D62	1D63	1D64	1D65	1D66	1D67	1D68	1D69	1D6A	1D6B	1D6C	1D6D	1D6E	1D6F
0								A 1D670	Q 1D680	g 1D690	w 1D6A0					0
1								B 1D671	R 1D681	h 1D691	x 1D6A1					1
2								C 1D672	S 1D682	i 1D692	y 1D6A2					2
3								D 1D673	T 1D683	j 1D693	z 1D6A3					3
4								E 1D674	U 1D684	k 1D694						4
5								F 1D675	V 1D685	l 1D695						5
6								G 1D676	W 1D686	m 1D696						6
7								H 1D677	X 1D687	n 1D697						7
8								I 1D678	Y 1D688	o 1D698						8
9								J 1D679	Z 1D689	p 1D699						9
A								K 1D67A	a 1D68A	q 1D69A						A
B								L 1D67B	b 1D68B	r 1D69B						B
C								M 1D67C	c 1D68C	s 1D69C						C
D								N 1D67D	d 1D68D	t 1D69D						D
E								O 1D67E	e 1D68E	u 1D69E						E
F								P 1D67F	f 1D68F	v 1D69F						F

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Mathematical Alphanumeric Symbols

	1D70	1D71	1D72	1D73	1D74	1D75	1D76	1D77	1D78	1D79	1D7A	1D7B	1D7C	1D7D	1D7E	1D7F	
0																	0
1																	1
2																	2
3																	3
4																	4
5																	5
6																0 1D7F6	6
7																1 1D7F7	7
8																2 1D7F8	8
9																3 1D7F9	9
A																4 1D7FA	A
B																5 1D7FB	B
C																6 1D7FC	C
D																7 1D7FD	D
E																8 1D7FE	E
F																9 1D7FF	F

Replace this file with `prentcsmacro.sty` for your meeting,
or with `entcsmacro.sty` for your meeting. Both can be
found at the ENTCS Macro Home Page.

An Example Paper

My Name^{1,2}

My Department
My University
My City, My Country

My Co-author³

My Co-author's Department
My Co-author's University
My Co-author's City, My Co-author's Country

Abstract

This is a short example to show the basics of using the ENTCS style macro files. Ample examples of how files should look may be found among the published volumes of the series at the ENTCS Home Page <http://www.elsevier.nl/locate/entcs>.

Key words: Please list keywords from your paper here, separated
by commas.

1 Introduction

This short note provides a guide to using the ENTCS macro package for preparing papers for publication in your conference *Proceedings*. The *Proceedings* may be printed and hard copies distributed to participants at the meeting; this is an option to Conference Organizers may choose to exercise. The *Proceedings* also will be part of a volume in the series *Electronic Notes in Theoretical Computer Science* (ENTCS), which is published under the auspices of Elsevier Science B. V., the publishers of *Theoretical Computer Science*. Its home page is <http://www.elsevier.nl/locate/entcs>

The ENTCS macro package consists of two files:

`entcs.cls`, the basic style file, and

¹ Thanks to everyone who should be thanked

² Email: `myuserid@mydept.myinst.myedu`

³ Email: `couserid@codept.coinst.coedu`

`entcsmacro.sty`, a macro file containing the definitions of some of the theorem-like environments and a few other tidbits.

The formatting these style files impose should *not* be altered – the reason for using them is to attain a uniform format for all papers in the *Proceedings* of which your paper is a part.

Additional macro files can be added using `\usepackage{...}`. The file `entcsmacro.sty` *must* be included in the list, as is done at the start of the source file for this paper.

The ENTCS package requires a relatively up-to-date \LaTeX system in order to be successfully used. This is reflected in two other packages that are called by `entcs.cls`, which must be available on your machine. These are:

- The `hyperref` package. This package allows the use of hyperlinks in files prepared using $\text{\LaTeX}2\text{e}$, one of the main features of Adobe’s Acrobat[®] Reader software. Be sure that you have at least version 6.69d of this package.
- The `ifpdf` package. This is used by `hyperref` to differentiate between the use of `pdf \LaTeX` and $\text{\LaTeX}2\text{e}$, followed by `dvips` and then `ps2pdf`.

The file `instraute.dvi` contains information about the use of \LaTeX to prepare files for online publication by Elsevier. This file refers to the older version of \LaTeX that is no longer supported, and that is inadequate for preparing `.pdf` files for online publication. Reading this file should answer most of the basic questions about \LaTeX that might arise.

2 Frontmatter

The biggest difference between a “usual” \LaTeX style such as `article.sty` and the ENTCS package is that the ENTCS macro package requires the title, author’s name or names, abstract, keywords and “thanks” all to be included within the `frontmatter` environment. At the beginning of the source file for this paper, you’ll notice this. Also, you’ll notice that the usual `\maketitle` is absent; it no longer is needed. The ENTCS style package automatically generates the title, author’s name and address, and related material at the beginning of the paper. Note also that `hyperref` has been disabled in this part of the `entcs.cls` file, so references to footnotes aren’t linked to the appropriate footnotes or addresses. This is an old problem with \LaTeX , involving the fact that the references within the `frontmatter` aren’t passed cleanly to the linking software.

For those who have used the ENTCS package before, the one new thing to note is the inclusion of *Keywords*; these are now required by Elsevier – they’re also required by ACM’s *Computing Reviews* which reviews ENTCS publications.

The ENTCS macro package provides two alternatives to listing authors names and addresses. These are described in detail in the file `instraute.dvi`.

Basically, listing each author and his or her address in turn, is the simplest method. But, if there are several authors and two or more share the same address (but not all authors are at this address), then the method of listing authors first, and then the addresses, and of referencing addresses to authors should be used.

Also, notice that acknowledgment of support (the contents of `\thanks`) should be done by a separate listing of `\thanks[NSF]{To the NSF}` with the optional argument – `[NSF]` – being used for `\thanksref` which is attached to those authors acknowledging such support. It is important that the `\thanks` not be included within the scope of `\author{}` or of `\title{}`, but it must be within the scope of the environment `frontmatter`.

More details about added terms such as `\collab` can be found in `inst.dvi`, if they are needed.

Also, notice that the command `\lastname{My Lastname}` has been included *before* the `frontmatter` begins. This command should contain the last names of the authors of the paper. If there are no more than three authors, then they should be listed with the word “and” between the last two; if more than three authors collaborated on the paper, then the first author only should be listed, together with `\emph{et al}`. This command creates the headline for each page after page 1.

Finally, please be sure to include an abstract for your paper.

3 Sectioning and Environments

Since ENTCS is published through the auspices of Elsevier Science B. V., their style files have been used to create the ENTCS macro package. Here’s a proof that this package is not much different than most of the ones one encounters:

Definition 3.1 A file is *derived* from another if it is obtained with only a few modifications from the original file.

Theorem 3.2 *The file `entcs.cls` is derived from `elsart.sty`.*

Proof. This is clear from the similarity of the output to the output from Elsevier’s style files. □

If one wants to start a proof with a descriptive word, such as “sketch”, then one can use the `\begin{proof*}...\end{proof*}` environment, as in

Proof (Sketch) This can be derived from simple observations. □

The main differences between the file `entcs.cls` and the `elsartr.cls` file used by Elsevier are the more precise format we use – Elsevier’s generic files are meant for preliminary editing, and more precise formatting is imposed using a macro file designed for the specific Elsevier journal in which the paper will eventually appear. The `entcs.cls` and `entcsmacro.sty` files format papers

uniformly so that they all are easily recognizable as being from the series *Electronic Notes in Theoretical Computer Science*.

All of the usual features of L^AT_EX are available with these style files – it is only the formatting that has been rigorously defined. Thus, one has available the sectioning commands `\section`, `\subsection`, `\paragraph` and `\subparagraph`. The numbering scheme used is one under which Theorem 1.2.3 is the third numbered item in second subsection of the first section of the paper. In order to facilitate cross-references, all of the named environments given below are numbered, and all use the same number scheme.

The file `entcsmacro.sty` contains additional information that is needed to typeset a paper. It also has the definitions of the *AMS* **euler** and **blackboard bold** fonts builtin. If you want to use symbols for the natural numbers, the reals, etc., then we prefer that you use the blackboard bold fonts, and not plain bold fonts. This is accomplished by using the `\mathbb` font, as in \mathbb{N} or \mathbb{R} .

The names of theorem-like environments are provided in `entcsmacro.sty`. With the exception of the environment `Algorithm`, the names of all of these are full name, rather than a shortened version. The environments provided and their names are

- `\begin{theorem} ... \end{theorem}` for Theorems,
- `\begin{lemma} ... \end{lemma}` for Lemmas,
- `\begin{corollary} ... \end{corollary}` for Corollaries,
- `\begin{proposition} ... \end{proposition}` for Propositions,
- `\begin{criterion} ... \end{criterion}` for Criteria,
- `\begin{alg} ... \end{alg}` for Algorithms,
- `\begin{definition} ... \end{definition}` for Definitions,
- `\begin{conjecture} ... \end{conjecture}` for Conjectures,
- `\begin{example} ... \end{example}` for Examples,
- `\begin{problem} ... \end{problem}` for Problems,
- `\begin{remark} ... \end{remark}` for Remarks,
- `\begin{note} ... \end{note}` for Notes,
- `\begin{claim} ... \end{claim}` for Claims,
- `\begin{summary} ... \end{summary}` for Summary,
- `\begin{case} ... \end{case}` for Cases, and
- `\begin{ack} ... \end{ack}` for Acknowledgements.

For example,

Algorithm 1 *Step 1: Write the paper*

Step 2: Format it with the ENTCS macro package

Step 3: Ship the whole thing to the Guest Editors

4 References and Cross-references

All the cross-referencing facilities of \LaTeX are supported, so one can use `\ref{}` and `\cite{}` for cross-references within the paper and for references to bibliographic items. As is done in this note, the **References** section 6 can be composed with `\begin{thebibliography}...\end{thebibliography}`. Alternatively, Bib \TeX can be used to compile the bibliography. Whichever one is used, the references are to be numbered consecutively, rather than by author-defined acronyms. Of course you can use your own acronyms for easy reference to each of the items in the bibliography, as has been done with the listing for this short note.

However, note that the references should *not* be started with a new `\section` command.

The package `hyperref` is automatically loaded by `entcs.cls`, and this makes all the cross-references within the document “active” when the pdf file of the paper is viewed with Adobe’s Acrobat® Reader. The format for including a link is simple: simply insert `\href{URL}{text}` where *URL* is the URL to which you want the link to point, and *text* is the text you want to be highlighted, which when clicked upon will bring up the desired web page.

4.1 Particulars about .pdf files

We now require that .pdf files be provided for publication online. A .pdf file is viewable by Adobe’s Acrobat® viewer, which can be configured to load automatically within a browser. Viewing a properly formatted .pdf file with Acrobat® allows the cross-references and links to URLs to be active. In fact, Elsevier utilizes .pdf files in order to take better advantage of the web’s capabilities.

But one point we want to emphasize is that you should be sure to use Type 1 fonts when you typeset your \LaTeX source file. These fonts are scalable, meaning that they carry information that allows the device viewing the final output to scale the fonts to suit the viewer being used – from an onscreen viewer such as Adobe’s Acrobat® Reader, to printing the file on a printer. You can tell if you have used the right fonts by viewing the final output on your machine. If the fonts look grainy, then you have not used Type 1 fonts. They can be located at the CTAN archive <http://www.ctan.org> – they are public domain fonts, and don’t cost anything to add them to your system.

Assuming you have Type 1 fonts available, then there are there methods for producing .pdf files.

Using dvips and ps2pdf

We list this option first since it appears to be the most reliable and the easiest to use, especially if you include embedded PostScript graphics (**.eps** files) in your source file. Simply run $\text{\LaTeX}2\text{e}$ on your source file, then apply **dvips** to produce a PostScript file, and finally apply **ps2pdf** to obtain a **.pdf** file.

The DVIPDFM utility

Another easy method for producing acceptable **.pdf** files is via the utility **dvipdfm**. This utility is included in distributions of Mik \TeX , which runs on Windows machines, but it probably needs to be added to your $\text{te}\text{\TeX}$ distribution, if you are running \LaTeX on a UNIX machine. The utility and precise information about installing it on your system can be found at the web page <http://gaspra.kettering.edu/dvipdfm/>. In essence, this utility converts a **.dvi** file into a **.pdf** file. So, one can first prepare the **.dvi** file using \LaTeX , and then apply the utility **dvipdfm** to produce the needed **.pdf** file.⁴ This utility makes inclusion of graphics particularly simple – those that are included in the \LaTeX source file are simply converted to the **.pdf** format. As we note below, things are not so simple with the second alternative, which is to use **pdf \LaTeX** .

pdf \LaTeX

An alternative to the first possibilities to produce **.pdf** files is to process the source file with **pdf \LaTeX** . This format is available from the standard CTAN sites <http://www.ctan.org>. It appears that **pdf \LaTeX** and **hyperref** have some problems when used together. It is necessary to use **pdf \LaTeX** version 14d or later in order to minimize these issues. If your system has an earlier version (most $\text{te}\text{\TeX}$ distributions have version 13d), then you can update your system by retrieving the latest version of **pdf \LaTeX** from <ftp://ftp.cstug.cz/pub/tex/local/cstug/thanh/pdftex/>. Even if the recent versions are used, **pdf \LaTeX** has the same dealing with references embedded with the **frontmatter** section described above for \LaTeX .

But there is one aspect of **pdf \LaTeX** that creates problems. Many authors include EPS⁵ files within their papers. While this is fairly straightforward with \LaTeX , there are a couple of points to note when attempting this with **pdf \LaTeX** .

To include a PostScript image in a **.pdf** file produced with **pdf \LaTeX** , you first have to convert the image to a **.pdf** file, and then it can be included using the same command sequence as above. The conversion can be

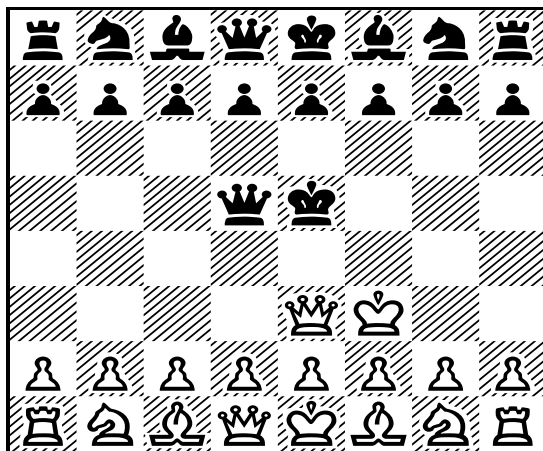
⁴ *Beware!* The utility **dvipdf** does *not* produce acceptable **.pdf** files, and should not be used. Only **dvipdfm** should be used to produce **.pdf** files.

⁵ EPS stands for *embedded PostScript*, which affords a mechanism for including pre-prepared PostScript files within a \LaTeX document.

accomplished most easily using Ghostscript; you can simply view the file in Ghostview and then print the image to a .pdf file using the `pdfwriter` option within Ghostview. The result for a standard chess board that is part of the Ghostview distribution is the following image:

Cheq (gift of Adobe Systems) "Chequered Board!"

p. 1



Here as well is a copy of a color image. While pdfL^AT_EX can handle image files in other formats, L^AT_EX can only handle .eps images reliably.



It also should be noted that we have included two separate source files for this example file – one for L^AT_EX and one for pdfL^AT_EX – because we want

to illustrate how to insert graphics images into the file. If your paper does not include such images, then the same source file can be formatted by either L^AT_EX or by pdfL^AT_EX.

Using ENTCS Macros with Mac OS X

Of course, if your file doesn't require .eps or other PostScript files, then you can create the required .pdf file using any of the standard T_EX implementations for the Macintosh. If you need to include PostScript files, and if you are using T_EXShop, then you can specify to use dvips and ghostview in processing your file, and then you can apply ps2pdf to create the needed .pdf file. Alternatibely, the Mac OS X operating system is based on UNIX, so it supports the use of t_EX as described above.

5 Summary

The ENTCS macro package is relatively easy to use and provides a uniform layout for all the papers that appear in ENTCS.

Problem 5.1 *Finish your paper and get it to your Program Chairman on time!*

When you have finished preparing your paper, send a copy of the *source file*, together with any macro files that are needed to your Program Chairman. If the files are extensive, you can place copies in the `pub/incoming` sub-directory of the ftp directory on the machine indicated by your Program Chairman using anonymous ftp. If you do this, please send me email to alert me that the file(s) are here.

Assigning Volume / Issue Numbers

One additional point worth mentioning is that ENTCS is moving to ScienceDirect, Elsevier's main platform for publishing electronic series. Because ScienceDirect must publish entire volumes at the same time, we have changed the procedure for preparing final versions so that volume numbers will not be assigned until the final versions are ready. Guest Editors will now have to receive the final version of all papers in their *Proceedings* before a volume and issue number will be assigned for the *Proceedings*. Even with the move to ScienceDirect, the reference scheme already used for publications in ENTCS – <http://www.elsevier.nl/locate/entcs/ NNnn.html> remains the valid way to cite papers published in ENTCS, where NN denotes the number of the volume, and nn denotes the issue number. Publications consisting of an entire volume should use 1 as the issue number.

Copyright Transfer Forms

One result of the move to ScienceDirect is that the corresponding author of each paper published in ENTCS must submit a signed Copyright Transfer

Form to Elsevier in order for their paper to be published. A copy of this form will be sent to each author by the Guest Editors of each volume. Details about this agreement specifying the rights of the authors and the rights of Elsevier are available at Elsevier's Author Gateway.

Publication of Final Versions

Because ScienceDirect cannot easily accommodate changes to published material, the Proceedings in its entirety must be ready before it can be published. This is one reason why the volume and issue number is not assigned until the final versions of all papers have been sent to the Guest Editors for final processing.

6 Bibliographical references

ENTCS employs the `plain` style of bibliographic references in which references are listed in alphabetical order, according to the first author's last name, and are sequentially numbered. Please utilize this style. We have a BibTeX style file, for those who wish to use it. It is the file `entcs.bst` which is included in this package. The basic rules we have employed are the following:

- Authors' names should be listed in alphabetical order, with the first author's last name being the first listing, followed by the author's initials or first name, and with the other authors names listed as *first name, last name*.
- Titles of articles in journals should be in *emphasized* type.
- Titles of books, monographs, etc. should be in quotations.
- Journal names should be in plain roman type.
- Journal volume numbers should be in boldface type, with the year of publication immediately following in roman type, and enclosed in parentheses.
- References to URLs on the net should be "active" and the URL itself should be in typewriter font.
- Articles should include page numbers.

The criteria are illustrated in the following.

References

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