

## Syntax for **postscript enhanced** option

**enhpost** is the product of David Denholm and Matt Heffron.

This guide is the product of Dick Crawford.

	text	result
Superscripts are denoted by ^:	'10^{-2}'	$10^{-2}$
Subscripts are denoted by _:	'A_{j,k}'	$A_{j,k}$
Braces are not needed for single characters:	'e^x'	$e^x$
Use @ to align sub- and superscripts:	'x@^2_k'	$x_k^2$
Put the shorter of the two first:	'x@_0^{-3/2}y'	$x_0^{-3/2}y$
...rather than:	'x@^{-3/2}_0y'	$x_0^{-3/2}y$
Font changes are enclosed in braces:	'{/Helvetica m}'	m
...size, too:	'{/=8 m}'	m
...or both:	'{/Helvetica=18 m}'	<b>m</b>
Characters can be specified by code:	'{\120}'	P
...which is how to get nonkeyboard characters:	'{\267}'	•
Use keyboard characters or codes for other fonts:	'{/Symbol p\271 22/7}'	$\pi \neq 22/7$
Everything outside braces is in the default font:	'P = {/Symbol r}kT'	$P = \rho kT$
Space of a given size can be inserted with &:	'<junk>'	<junk>
	'<&{junk}>'	< >
Special characters (^,_,{,},@,&, \) can be escaped by \:	'f\{x,y\}'	f{x,y}
...or \\ if within a double-quoted string:	"f\\{x,y\\}"	f{x,y}

Everything can be done recursively:

the text

```
'{/Symbol=18 \362@_ {/=9.6 0}^ {/=12 \245} }
```

```
{/Helvetica e^ {-{/Symbol m}^2/2} d} {/Symbol m = (p/2)^{1/2} }
```

produces the result:

$$\int_0^\infty e^{-\mu^2/2} d\mu = (\pi/2)^{1/2}$$

Note how font sizes and definitions are preserved across pairs of braces.

The default font for this page is /Times-Roman=12. These and other options may be changed on the command **set terminal postscript**. See the manual or **help postscript** for details.

# PostScript Character Codes

T = text (here Times-Roman) S = Symbol Z = ZapfDingbats E = ISO Latin-1 encoding  
 (the "E" character set is accessed via an option on "set encoding" )

T	S	Z	E	T	S	Z	E	T	S	Z	E	T	S	Z	E	T	S	Z	E			
040				111	I	I	☆ I	162	r	ρ	□ r	256	fi	→	③	®	327	×	·	↕	×	
041	!	!	✂ !	112	J	ϑ	⊕ J	163	s	σ	▲ s	257	fl	↓	④	-	330	∅	¬	▶	∅	
042	"	∇	✂ "	113	K	K	★ K	164	t	τ	▼ t	260	°	°	⑤	°	331	Ù	^	→	Ù	
043	#	#	✂ #	114	L	Λ	☆ L	165	u	υ	◆ u	261	-	±	⑥	±	332	Ú	√	▼	Ú	
044	\$	∃	✂ \$	115	M	M	☆ M	166	v	ϖ	❖ v	262	†	"	⑦	²	333	Û	↔	→	Û	
045	%	%	✂ %	116	N	N	★ N	167	w	ω	◐ w	263	‡	≥	⑧	³	334	Ü	←	→	Ü	
046	&	&	✂ &	117	O	O	☆ O	170	x	ξ	x	264	·	×	⑨	´	335	Ý	↑	→	Ý	
047	'	ə	✂ '	120	P	Π	☆ P	171	y	ψ	y	265	μ	∞	⑩	μ	336	Þ	⇒	→	Þ	
050	(	(	✂ (	121	Q	Θ	★ Q	172	z	ζ	■ z	266	¶	∂	①	¶	337	ß	↓	→	ß	
051	)	)	✂ )	122	R	P	☆ R	173	{	{	‘ {	267	•	•	②	•	340	à	◇	→	à	
052	*	*	✂ *	123	S	Σ	* S	174			’	270	,	÷	③	,	341	Æ	◁	→	á	
053	+	+	✂ +	124	T	T	* T	175	}	}	“ }	271	„	≠	④	¹	342	â	®	➤	â	
054	,	,	✂ ,	125	U	Υ	✎ U	176	~	~	” ~	272	”	≡	⑤	°	343	ã	©	➤	ã	
055	-	-	✂ -	126	V	ς	* V	220			ı	273	»	≈	⑥	»	344	ä	™	➤	ä	
056	.	.	✂ .	127	W	Ω	* W	221			`	274	...	...	⑦	¼	345	å	Σ	➤	å	
057	/	/	✂ /	130	X	Ξ	* X	222			˘	275	‰		⑧	½	346	æ	(	➤	æ	
060	0	0	✂ 0	131	Y	Ψ	* Y	223			ˆ	276	¾	—	⑨	¾	347	ç		➤	ç	
061	1	1	✂ 1	132	Z	Z	✎ Z	224			˜	277	¿	↓	⑩	¿	350	È	(	➤	è	
062	2	2	✂ 2	133	[	[	* [	225			-	300	À	×	①	À	351	É		➤	é	
063	3	3	✂ 3	134	\	\	* \	226			˘	301	`	Ɔ	②	Á	352	Ê		➤	ê	
064	4	4	✂ 4	135	]	]	* ]	227			˙	302	˘	℞	③	Â	353	Ë		➤	ë	
065	5	5	✂ 5	136	^	⊥	✎ ^	230			˚	303	ˆ	∅	④	Ã	354	Ì		➤	ì	
066	6	6	✂ 6	137	_	—	✎ _	232			°	304	˜	⊗	⑤	Ä	355	Í	{	➤	í	
067	7	7	✂ 7	140	‘	—	✎ ‘	233			˚	305	-	⊕	⑥	Å	356	Î		➤	î	
070	8	8	✂ 8	141	a	α	✎ a	235			˚	306	˘	∅	⑦	Æ	357	Ï		➤	ï	
071	9	9	✂ 9	142	b	β	* b	236			˘	307	˙	∩	⑧	Ç	360	Ï			ð	
072	:	:	✂ :	143	c	χ	✎ c	237			˘	310	˚	∪	⑨	È	361	æ	›	➤	ñ	
073	;	;	✂ ;	144	d	δ	✎ d	240			€	311	É	∩	⑩	É	362	ò		➤	ò	
074	<	<	✂ <	145	e	ε	✎ e	241	i	Υ	¶ i	312	°	⊇	①	Ê	363	ó		➤	ó	
075	=	=	✂ =	146	f	φ	✎ f	242	¢	’	¶ ¢	313	˘	∩	②	Ë	364	ô		➤	ô	
076	>	>	✂ >	147	g	γ	✎ g	243	£	≤	¶ £	314	˘	∩	③	Ì	365	ı		➤	õ	
077	?	?	✂ ?	150	h	η	✎ h	244	/	/	¶ /	315	˘	∩	④	Í	366	ö		➤	ö	
100	@	≡	✂ @	151	i	ι	* i	245	¥	∞	¶ ¥	316	˘	∩	⑤	Î	367	÷		➤	÷	
101	A	A	☆ A	152	j	φ	* j	246	f	f	¶ f	317	˘	∩	⑥	Ï	370	∅		➤	∅	
102	B	B	✂ B	153	k	κ	* k	247	§	♣	¶ §	320	—	∠	⑦	Ð	371	ø		➤	ù	
103	C	X	✂ C	154	l	λ	● l	250	¤	◆	¶ ¤	321	Ñ	∇	⑧	Ñ	372	œ		➤	ú	
104	D	Δ	✂ D	155	m	μ	○ m	251	’	♥	¶ ’	322	Ò	®	⑨	Ò	373	ß		➤	û	
105	E	E	✂ E	156	n	ν	■ n	252	“	♠	¶ “	323	Ó	©	⑩	Ó	374	ü		➤	ü	
106	F	Φ	✂ F	157	o	o	□ o	253	«	↔	¶ «	324	Ô	™	➤	Ô	375	ý		➤	ý	
107	G	Γ	✂ G	160	p	π	□ p	254	<	←	①	↔	325	Õ	Π	→	Õ	376	þ		➤	þ
110	H	H	★ H	161	q	θ	□ q	255	>	↑	②	-	326	Ö	√	↔	Ö	377	ÿ			ÿ