

## 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 <sup>-2</sup> '	10 <sup>-2</sup>
Subscripts are denoted by _:	'A <sub>j,k</sub> '	A <sub>j,k</sub>
Braces are not needed for single characters:	'e <sup>x</sup> '	e <sup>x</sup>
Use @ to align sub- and superscripts:	'x@ <sup>2</sup> <sub>k</sub> '	x <sub>k</sub> <sup>2</sup>
Put the shorter of the two first:	'x@ <sup>-3/2</sup> <sub>0</sub> y'	x <sub>0</sub> <sup>-3/2</sup> y
...rather than:	'x@ <sup>-3/2</sup> <sub>0y</sub> '	x <sub>0y</sub> <sup>-3/2</sup>
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}'	π≠ 22/7
Everything outside braces is in the default font:	'P = {/Symbol r}kT'	P = ρkT
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}^{\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						
040					111	I	I	☆	I	162	r	ρ	□	r	256	fi	→	③	®	327	×	·	↕	×
041	!	!	✂	!	112	J	∅	⊛	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	Y	Ⓜ	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			~		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	˘	ℜ	③	Â	353	Ë		→	ë
065	5	5	✂	5	136	^	⊥	Ⓜ	^	230			..		303	^	∅	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	ð			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	Y	ı	i	312	°	⊃	①	Ê	363	ó		→	ó
075	=	=	†	=	146	f	φ	Ⓜ	f	242	ç	’	ı	ç	313	˘	∩	②	Ë	364	ô		→	ô
076	>	>	†	>	147	g	γ	Ⓜ	g	243	£	≤	ı	£	314	˘	∩	③	Ì	365	ı		→	õ
077	?	?	†	?	150	h	η	Ⓜ	h	244	/	/	ı	α	315	˘	∩	④	Í	366	ö		→	ö
100	@	≡	Ⓜ	@	151	i	ι	*	i	245	¥	∞	ı	¥	316	˘	∩	⑤	Î	367	÷		→	÷
101	A	A	☆	A	152	j	φ	*	j	246	f	f	Ⓜ		317	˘	∩	⑥	Ï	370	∅		→	∅
102	B	B	✂	B	153	k	κ	*	k	247	§	♣	ı	§	320	—	∠	⑦	Ð	371	ø		→	ù
103	C	X	✂	C	154	l	λ	●	l	250	α	◆	♣	..	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	v	■	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