

## 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_k</sup> '	x <sub>k</sub> <sup>2</sup>
Put the shorter of the two first:	'x <sup>@0<sup>-3/2</sup>y</sup> '	x <sub>0</sub> <sup>-3/2</sup> y
...rather than:	'x <sup>@{-3/2}_0y</sup> '	x <sub>0</sub> <sup>-3/2</sup> 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}'	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}^{/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						
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	ª	©	➤	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	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	⊙	317	˘	∉	⑥ Ï	370	∅		➤	∅	
102	B	B	⌘ B	153	k	κ	* k	247	§	♣	⚡ §	320	—	∠	⑦ Đ	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	v	■ n	252	“	♠	♥ ª	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