

## 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	⊕	* 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			^	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	^	∅	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		→ ï
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		→ ı
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		→ ø
103	C	X	✂ C	154	l	λ	● l	250	α	◆	♣ 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	“	♠	♥ 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