

## 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	∅	⊗	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	¶	∂	❶	¶	337	ß	↓	➔	ß
051	)	)	⌘	)	122	R	P	✱	R	173	{	{	‘	{	267	•	•	❷	•	340	à	◇	➔	à
052	*	*	✂	*	123	S	Σ	✱	S	174			’		270	,	÷	❸	,	341	Æ	⟨	➔	á
053	+	+	✂	+	124	T	T	✱	T	175	}	}	“	}	271	„	≠	❹	¹	342	â	®	➤	â
054	,	,	✂	,	125	U	Y	⌘	U	176	~	~	”	~	272	”	≡	❺	º	343	ª	©	➤	ã
055	-	-	✂	-	126	V	ς	✱	V	220			₁		273	»	≈	❻	»	344	ä	™	➤	ä
056	.	.	✂	.	127	W	Ω	✱	W	221			`		274	...	...	❼	¼	345	å	Σ	➔	å
057	/	/	✂	/	130	X	Ξ	✱	X	222			^		275	‰		❽	½	346	æ	(	➔	æ
060	0	0	✂	0	131	Y	Ψ	✱	Y	223			~		276	¾	—	❾	¾	347	ç		➔	ç
061	1	1	✂	1	132	Z	Z	✱	Z	224			~		277	¿	↵	❿	¿	350	È		➔	è
062	2	2	✂	2	133	[	[	✱	[	225			-		300	À	⌘	❶	À	351	Ø		➔	é
063	3	3	✓	3	134	\	∴	✱	\	226			~		301	`	Ɔ	❷	Á	352	Œ		➔	ê
064	4	4	✓	4	135	]	]	✱	]	227			·		302	´	ℜ	❸	Â	353	°		➔	ë
065	5	5	✕	5	136	^	⊥	⌘	^	230			..		303	^	℘	❹	Ã	354	ì		➔	ì
066	6	6	✕	6	137	_	—	⌘	_	232			°		304	~	⊗	❺	Ä	355	í		➔	í
067	7	7	✕	7	140	‘	—	⌘	‘	233			„		305	-	⊕	❻	Å	356	î		➔	î
070	8	8	✕	8	141	a	α	✱	a	235			˘		306	˘	∅	❼	Æ	357	ï		➔	ï
071	9	9	⊕	9	142	b	β	✱	b	236			˘		307	·	∩	❽	Ç	360	ð			ð
072	:	:	⊕	:	143	c	χ	✱	c	237			˘		310	¨	∪	❾	È	361	æ	⟩	➔	ñ
073	;	;	⊕	;	144	d	δ	✱	d	240		€			311	É	⊃	❿	É	362	ò		➔	ò
074	<	<	⊕	<	145	e	ε	✱	e	241	ı	Ÿ	⌘	ı	312	°	⊇	❶	Ê	363	ó		➔	ó
075	=	=	⊕	=	146	f	φ	✱	f	242	¢	’	⌘	¢	313	˘	⊄	❷	Ë	364	ô		➤	ô
076	>	>	⊕	>	147	g	γ	✱	g	243	£	≤	⌘	£	314	˘	⊂	❸	Ì	365	ı		➤	õ
077	?	?	⊕	?	150	h	η	✱	h	244	/	/	♥	⌘	315	˘	⊆	❹	Í	366	ö		➤	ö
100	@	≡	⌘	@	151	i	ι	✱	i	245	¥	∞	⌘	¥	316	˘	∈	❺	Î	367	÷		➤	÷
101	A	A	☆	A	152	j	φ	✱	j	246	f	f	⌘		317	˘	∉	❻	Ï	370	ı		➤	ø
102	B	B	✂	B	153	k	κ	✱	k	247	§	♣	⌘	§	320	—	∠	❼	Ð	371	ø		➤	ù
103	C	X	✂	C	154	l	λ	●	l	250	⌘	♦	♣	¨	321	Ñ	∇	❽	Ñ	372	œ		➔	ú
104	D	Δ	✂	D	155	m	μ	○	m	251	'	♥	♦	©	322	Ò	®	❾	Ò	373	ß		➔	û
105	E	E	⊕	E	156	n	v	■	n	252	“	♠	♥	ª	323	Ó	©	❿	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	<	←	❶	¬	325	Õ	Π	➔	Õ	376	þ		➤	þ
110	H	H	★	H	161	q	θ	□	q	255	>	↑	❷	-	326	Ö	√	↔	Ö	377	ÿ			ÿ