

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