

## 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 | ì   | ⊂   | 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 |