

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}' | m |
| 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 |