OpenBSD's CSI sequences succinct reference

Info

esc oct 033, hex 0x1B, dec 27, \e in printf

ESC[CSI (Control Sequence Introducer)

CSI in pd ksh's **print** \033[

CSI in **printf** \033[or \x1b[or \e[

CSIparameters**m SGR** (Select Graphic Rendition) sets display attributes

m indicates the end of **SGR** sequence

example in pd ksh print $-\mathbf{n}$ -- '\033[1;1H\033[0J' # clears the screen

example in pd ksh print -- 'Hello \033[**32**mWorld\033[**0**m!' # prints "World" in green

example (not CSI) print -- 'Price: 97\033(0}\033(B' # prints "Price: 97£"

Colors

CSI30..37m regular **foreground** colors

CSI**90..97**m bright **foreground** colors

CSI**38;5;0..255**m **foreground** colors from 0 to 255

CSI**38;2;r;g;b**m **foreground** RGB colors from 0 to 255 each

CSI**39**m default **foreground** color

CSI**40..47**m regular **background** colors

CSI**100..107**m bright **background** colors

CSI**48;5;0..255**m **background** colors from 0 to 255

CSI**48;2;r;g;b**m **background** RGB colors from 0 to 255 each

CSI**49**m default **background** color

Other

CSI**0**m **resets** all text and color attributes, 0 can be omitted (CSIm)

CSI1m bold

CSI2m **dim** (rarely supported)

CSI3m italic

CSI4m underline

CSI5m blink

CSI7m reverse video

CSI9m strike-through

CSI21m double underline, or bold underline

CSI22m normal font (cancels **bold** and **dim**)

CSI23m normal font (cancels **italic**)

CSI24m normal font (cancels **underline**)

CSI25m normal font (cancels **blink**)

CSI27m normal font (cancels **reverse video**)

CSI**29**m normal font (cancels **strike-through**)

CSIcolG moves cursor to specified column (leftmost is 1)

CSIrow;colH moves cursor to specified row and column (top left is 1;1) (CUP)

CSIrow;colf same as above on most terminals (format effector function)

CSI**0**J **erases** screen **below** the cursor

CSI1J **erases** screen **above** the cursor

CSI2J **erases** everything on screen

CSIs saves cursor's position

CSIu restores cursor's position

CSI**?5h inverts** terminal colors

CSI**?5l** restores terminal colors back to normal

CSI**?25l** hides the cursor

CSI**?25h shows** the cursor

Not CSI

\033(0 starts alternate character set (not CSI)

\033(B ends alternate character set (not CSI)

\033%@ sets character set to ISO 8859-1 (default character set) (not CSI)

\033%G **sets** character set to **UTF-8** (not CSI)

\033c **resets** the terminal (not CSI)

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