NAME

vttest – test VT100-type terminal

SYNOPSIS

vttest *[options] [24x80.132]*

DESCRIPTION

Vttest is a program designed to test the functionality of a VT100 terminal (or emulator thereof). It tests both display (escape sequence handling) and keyboard.

The program is menu-driven and contains full on-line operating instructions.

- To run a given menu-item, you must enter its number.
- Menu items start at zero; this is the “Exit” item in almost all cases.
- You can run all menu-items (for a given level) by entering an asterisk, i.e, “*’.
- You can force a repaint of the menu items by entering “?”.
- A few menus can be more than one page. Use “n” and “p” to switch to the next or previous page.

OPTIONS

You can specify the screen geometry in the form *[24x80.132]*, i.e.,

- 24 lines,
- 80 minimum columns, and
- 132 maximum columns.

If your terminal does not switch between 80 and 132 columns you may specify 24x80.80, for example, to avoid a misleading display.

Other options are:

–V print the program version, and exit.

–c *commands*
replay commands recorded by the logging option. Some keyboard and mouse input is required, depending on the tests, but otherwise menu selection and next-page responses are automated.

–f *fontfile*
specify a file containing a DRCS (soft character definition) string.

–l log test results to *vttest.log*.

–p use padding, e.g., for a VT100 connected to a high-speed line.

–q show only the most recent part of a continuous response, e.g., any-event mouse tests, to improve readability of the test.

–s add time-delay in selected panning/scrolling options to show details.

–u suppress switch from UTF-8 mode on startup, and enable a third setting in the 7-bit/8-bit parsing test to allow for C2 controls as an alternate to 8-bit C1.

–8 use 8-bit controls (this can be changed with a menu option).

ENVIRONMENT

When **vttest** starts, it checks the locale (LC_ALL, etc.), to determine if the terminal uses UTF-8, and normally switches the terminal to ISO-8859 1. Use the “**–u**” option to disable this switching, and provide some special cases where UTF-8 encoding is accepted.

For example, the Unicode specification does not document its relationship to ECMA-48 (ISO 6429) beyond listing C0 and C1 codes which Unicode treats as whitespace. The latter (i.e., NEL U+0085) is misleading because Unicode describes C1 controls only obliquely. It goes into a little more detail regarding ECMA-35 (ISO 2022). **vttest** allows for both the standard encoding of C1 (single byte) and the variant implied by Unicode, referred to here as C2 (two bytes) to distinguish the two encodings.

AUTHORS

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Modified by Thomas E. Dickey from June 1996, to support nonstandard screen geometry, VT220-VT525, ISO color and xterm-specific tests.

SEE ALSO

XTerm Control Sequences
⟨https://invisible−island.net/xterm/ctlseqs/ctlseqs.html⟩
DEC VT terminal line-wrapping semantics
⟨https://github.com/mattiase/wraptest/⟩