

NAME

pti – convert and modify PCE Tape images

SYNOPSIS

pti [*options*] [*input-file*] [*options*] [*output-file*]

DESCRIPTION

pti(1) is used to modify and convert PTI tape image files.

OPTIONS

-c, --default-clock *clock*

Set the default clock used when creating new files or when loading files that don't specify a clock. The clock can be specified as an integer or as one of these:

c16-ntsc

The CBM C16 NTSC CPU clock (894886)

c16-pal

The CBM C16 PAL CPU clock (886724)

c64-ntsc

The CBM C64 NTSC CPU clock (1022727)

c64-pal

The CBM C64 PAL CPU clock (985248)

pet

The CBM PET CPU clock (1000000)

vic20-ntsc

The CBM VIC-20 NTSC CPU clock (1022727)

vic20-pal

The CBM VIC-20 PAL CPU clock (1108405)

pc-pit

The IBM PC PIT clock (1193182)

pc-cpu

The IBM PC CPU clock (4772728)

-f, --info

Print information about the current image or the next image loaded.

-i, --input *filename*

Load an image from *filename*.

-I, --input-format *format*

Set the file format for the next input file. If this option is not used, the file format is detected automatically.

Valid input formats are:

cas

A raw bit stream

pcm

Raw PCM audio

pti

PCE Tape Image

tap

C64 tape image

txt

A textual representation of a PTI image

wav

WAV PCM audio

-m, --cat *filename*

Load an image from *filename* and add it to the end of the current image.

-o, --output *filename*

Save the image to *filename*.

-O, --output-format *format*

Set the file format for the next output file. If this option is not used, the file format is determined by the output file name.

Valid output formats are:

cas	A raw bit stream
pcm	Raw PCM audio
pti	PCE Tape Image
tap	C64 tape image
txt	A textual representation of a PTI image
wav	WAV PCM audio

-p, --operation *name* [*arg...*]

Perform an operation on the current image. Valid operations are:

cat *filename*

Load a tape image from *filename* and add it to the end of the current image.

comment-add *text*

Add *text* to the image comment.

comment-load *filename*

Load the image comment from file *filename*.

comment-print

Print the current image comment.

comment-save *filename*

Save the current image comment to *filename*.

comment-set *text*

Set the image comment to *text*.

fix-clock *clock*

Set the clock rate to *clock* without adjusting the image data accordingly.

info

Print information about the image.

invert

Invert the image, turning positive levels into negative levels and vice versa.

new

Create a new empty image.

scale *factor*

Scale the length of the image by *factor*.

set-clock *clock*

Set the clock rate to *clock* and adjust the image data accordingly.

space-add-left *time*

Add *time* seconds of silence to the beginning of the image.

space-add-right *time*

Add *time* seconds of silence to the end of the image.

space-add *time*

Add *time* seconds of silence to both the beginning and the end of the image.

space-auto *min-time*

Convert constant levels of at least *min-time* duration to silence.

space-mac *time*

Limit periods of silence to at most *time* seconds.

space-trim-left

Remove silence from the beginning of the image.

space-trim-right

Remove silence from the end of the image.

space-trim

Remove silence from both the beginning and the end of the image.

trim-left *time*

Remove *time* seconds from the beginning of the image.

trim-right *time*

Remove *time* seconds from the end of the image.

-s, --set *par val*

Set parameter *par* to *val*.

default-clock *clock*

This sets the same parameter as the **-c** option.

pcm-srate *srate*

Set the sample rate used when loading and saving PCM files. The default is 44100.

wav-bits *bits*

Set the number of bits per sample when saving WAV files. The default is 16.

wav-lowpass *cutoff*

Set the cut-off frequency for the lowpass filter used when saving WAV files. A frequency of 0 turns the filter off, which is the default.

wav-lowpass-order

Set the filter order of the lowpass filter used when saving WAV files. The default is 4, the maximum is 16.

wav-sine *enable*

If *enable* is true, then the signal written to WAV files is made up of a series of sine waves. If it is false, a simple square wave is written. The default is enabled.

wav-srate *srate*

Set the sample rate used when saving WAV files. The default is 48000.

-v, --verbose

Enable verbose operation.

--help

Print usage information.

--version

Print version information.

SEE ALSO

pfi(1), **pri(1)**, **psi(1)**

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