Friday, March 31. 2006

PSPXTI: A TI-92 Calculator emulator v1.0.5 (bug fix)

Hi All,

I've just released the version 1.0.5 of the PSP TI-92 calculator.

Computation errors have been found in previous versions of the emulator, and for example ln(x) function gave false results for x < 1.0.

After a long period of bug tracking, errors have been found in 12 instructions of the 68000 processor emulator. Those bugs were all presents in the original source code of Xtiger. Those bugs are fixed now.

This version works with 2.xFW. and 1.5FW.

pspxti-v1.0.5.zip

It's distributed under GNU licence and sources are included.

Enjoy,

Zx.

 Posted by zx-81 in TI 92 at 22:08

Where to put src folder please???
   Serge on Apr 1 2006, 03:07

i have display problems, using a 1.5 psp, and the rom included in the zip, and i tried others rom files, but the same, the display of te calculator show without problemas, but cannot see the "buttons" just a black image....
   Anonymous on Apr 1 2006, 07:11

The src folder contains the source code of PSPXTI. It's usefull only if you want to re-compile it by yourself using PSPDEV kit.

You don't need it to make this emulator running on your PSP !

Zx
   zx-81 on Apr 1 2006, 15:31

I see what happen, you need to copy the two bmp files (pspxti-aqua and pspxti-classic) from the fw2.0 directory to the PSP/Game/pspxti directory of your PSP.

I've rebuild the .zip file so now it contains all files needed in the fw2.0 and in the fw1.5 directory.

Zx
   zx-81 on Apr 1 2006, 15:33

i have opened the zip file but i am puzzled on where to place all these files.
   Anonymous on Apr 2 2006, 18:53

Your memory stick must contain the following files in the PSP/GAME/PSPXTI directory :

eboot.pbp
xti-aqua.bmp
xti-classic.bmp
ti92.rom

That's all ...
   zx-81 on Apr 2 2006, 20:04

Ah... I messed it up. Where do I get the .rom file? because, I wanted to update the ticalc, but then when I updated it, nothing worked in the calculator except only the analog stick. Then I tried to reinstall it and it doesnt work anymore. I'm using 2.6FW. The only thing i have in my pspxti directory is:

eboot
aqua
classic
ti92.rom

and I got the ti92.rom from the link you gave us on the first version on yoru page...

What it does now is I go to the Eloader, select PSPXTI, and it goes to a black screen and goes back to the eLoader. I hope you can help.
   LNAtropic on Apr 3 2006, 01:55

why is it when i do sqrt(55) it give me an answer of sqrt(55)? Instead of 7.41xxxxxxx. ? Also, when I do a simple sqrt(9) it gives me 3. lol.. I'm scared to use this calc now.
   lawrence on Apr 3 2006, 10:29

If you want a numerical value (approx) you have to use the diamond key and then ENTER.

This calculator is very complex to use, and you have to read the manual to be able to use it.

A link to a PDF version of the TI-92+ manual is given on this blog.

And about the bug, all software have bugs, i've fixed 12 errors on the instruction set of the 68k processor, and i think there is no left in this part of the emulator.
   zx-81 on Apr 3 2006, 12:44

I don't understand, it should work properly on 2.6. Remove the directory and put all files from fw2.0 directory to your memory stick. in directory PSP/GAME/PSPXTI

The rom i use is the same version as this one :
http://icln.sfcc.edu/mugs/Atec%20Workshops/Math%20Resources/TICalc/ROMs/Ti92+.rom

If the screen is black, it means that the emulator was not able to load xti-aqua.bmp or xti-classic.bmp image.

Zx.
   zx-81 on Apr 3 2006, 21:00

wow, thanks alot now i can use this calc
   LNAtropic on Apr 4 2006, 10:43

is this calc. reliable to use? i mean to use it for real...
thx for the app, one of the most useful ive seen :b
   pgugged on Apr 5 2006, 04:16

The keyboard is not so convenient to use, so it won't be as reliable as a real calculator. But, it seems that students succeed to use it at school

Zx.
   zx-81 on Apr 5 2006, 19:23

hi,
i am trying to install ti92+ to my psp. i am using 2.6v. i copied the files to my memory stick including .rom file. but in my psp when i go to games and open pspxti it gives me a error saying "this game cannot be started. the data is corrupted" plz help
   nil on Apr 7 2006, 02:18

sorry i didn't know u have to use eloader to run this program. but i still have problem running this program. when i run pspxti from eloader i get a black screen and then the psp get turned off. please help. thank u
   nil on Apr 7 2006, 02:59

Hi,

From the archive, you have to copy the content of the directory fw2.0 on your memory stick (in the directory PSP/GAME/PSPXTI).

After that you have to find a rom, and to put it in ti92.rom file, in the PSP/GAME/PSPXTI directory.

A friend has tested it on 2.6 FW, and it works.

  Zx.
   zx-81 on Apr 7 2006, 09:30

This is an amazing program,(actually i think its the most useful program to develop in the homebrew scene) however most college students use the ti-89 titanium, is is possible for you to write an emulator for this calculator as well?
   mark on Apr 7 2006, 18:07

Hi,

Thanks for your comments .

One can try to port Virtual TI on PSP. But for me, it's over. I'm not working anymore on this kind of calculator emulator (two calculators it's good enough lol).

On my spare time, i'm working now on network homebrew using the latest eloader of Fanjita and Ditlew .

  Zx.
   zx-81 on Apr 7 2006, 21:17

does it work on 3.40oe-a
   caca on Jul 20 2007, 23:42