

Monday, March 3. 2008

PSPXTI: A TI-92 Calculator emulator v1.2.2 (final)

Hi all,

For those who haven't seen previous versions, XTiger is a unix emulator (under X Window) of a TI-92 calculator (Texas instruments).

It was originally written by Jonas Minnberg and was closed source.

Jonas Minnberg has not worked on XTiger for quite a while and he gave Misha Nasledov the code and permission to GPL it.

The IR keyboard support is based on the work of Harald Fielker (author of the PSP IR Keyboard Library)

PSPXTI is a port on PSP a the Unix version 0.8.

What's new in this final version ?

- Major speed improvements !
- New eboot icons from Raven's web site !
- Add view fps and frameskip options
- Bug fix in the low battery watchdog
- Analog pad can be used in the program file requester

This version works for 1.5 and custom firmware 3.X-OE/M33

*** UPDATE ***

A new version with home, hand, diamond and 2nd keys mapped as ctrl-keys (see readme for details).

pspxti-v1.2.3-fw3x.zip

pspxti-v1.2.3-fw15.zip

pspxti-v1.2.3-src.zip

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

It has been developed on linux for Firmware 1.5 and 3.71-M33, and for the IR keyboard part it has been tested using a Targus Universal IR Wireless keyboard.

How to use it ? Everything is in the README.txt file.

Here is a PDF version of the TI-92 manual : TI 92+ manual

Enjoy,

Zx.

If you want to discuss on this emulator, you can do it there :
zx81's forum on dcemu network or zx81's forum on qj.net

Blog Export: ZX-81's web site, <http://zx81.zx81.free.fr/serendipity/>

Posted by zx-81 in TI 92 at 23:33

Hi Zx,

This one is my favorite homebrew for my PSP, Thank you for the port.

I have a Palm Universal ... Keyboard, It works fine, and I would like to use the Fn, Cmd, and Home keys, as the Diamond, 2nd, and Hand, keys. But I can't. I've tried a lot of ideas, but no one becomes a solution, Is there a form to map this keys for those functions?

Fn works as "compose", Cmd as "alt", and Home as "meta", so there is one problem.

Thank you again,

Hans
Hans on Mar 24 2008, 06:01

Hi Hans,

Unfortunately those keys are not mapped on the IR keyboard (and it's hard coded in the source code).

I will release a new version for you, with diamond, 2nd and hand mapped as Ctrl-??? keys ...

Zx
zx-81 on Mar 24 2008, 11:58

Thanks!!!

I tried to back to the basics, and...

DEC HEX FUNCION

128 80 (-)
129 81 ln(
130 82 sin(
131 83 cos(
132 84 tan(
133 85
134 86 e^(
135 87
136 88
137 89 arcsin(
138 8A arccos(
139 8B arctan(
140 8C pi
141 8D int(
142 8E der(
143 8F ^-1
144 90 raiz(
145 91 sumatoria(
146 92 menu math
147 93 menu mem
148 94 menu varlink
149 95 E
150 96 menu catalog
151 97
152 98 menu char
153 99 ans
154 9A entry
155 9B convert
156 9C i
157 9D grados
158 9E angle
159 9F infinito
160 A0 CAPS
161 A1
162 A2 recall
163 A3 ins
164 A4 home????
165 A5 y=
166 A6 window
167 A7 graph
168 A8 table setup
169 A9 table
170 AA units
171 AB help
172 AC
173 AD aprox
174 AE shift
175 AF
176 B0 diamond

177 B1 second
178 B2 mode
179 B3 clr
180 B4 teta
181 B5 sto
182 B6 backspace
183 B7 enter???
184 B8
185 B9
186 BA apps
187 BB izq
188 BC abajo
189 BD derecha
190 BE arriba
191 BF F1
192 C0 F2
193 C1 F3
194 C2 F4
195 C3 F5
196 C4 F6
197 C5
198 C6
199 C7 hand

I didn't find all the codes, I need these ones:

ESC, QUIT, "SHIFT-APPS", HOME, COPY, PASTE, CUT.

this is a example of hans.ini

```
[KEY_GRAVE]
compose = 0xA4;
normal = 0xB9;
shift = '~';
meta = "¡";
alt = 0xB3;
```

for use that Key as CANCEL.

and.... another problem has arrived. The shift (BOLD UP-ARROW) Key, needed for copy, doesn't work properly, because if you HOLD the key DOWN it actually works as "TAP the key" (SHIFT, SHIFT, SHIFT,...)

Thank you very much!!
Hans on Mar 24 2008, 18:10

Hi Zx, me again

Could you tell me all the remaining codes?

Thanks for your time,

Hans
Hans on Mar 24 2008, 19:12

Have a look to psp_danzeff.h file in the src archive

Zx
zx-81 on Mar 24 2008, 20:11