xspim

Register Display

```
PC     = 00000000  EPC   = 00000000  Cause   = 0000000  BadVaddr = 00000000
Status= 00000000  HI    = 00000000  LO      = 0000000
```

General Registers

```
R0 (r0) = 00000000  R8  (t0) = 00000000  R16 (s0) = 0000000  R24 (t8) = 00000000
R1 (at) = 00000000  R9  (t1) = 00000000  R17 (s1) = 0000000  R25 (s9) = 00000000
R2 (v0) = 00000000  R10 (t2) = 00000000  R18 (s2) = 0000000  R26 (k0) = 00000000
R3 (v1) = 00000000  R11 (t3) = 00000000  R19 (s3) = 0000000  R27 (k1) = 00000000
R4 (a0) = 00000000  R12 (t4) = 00000000  R20 (s4) = 0000000  R28 (gp) = 00000000
R5 (a1) = 00000000  R13 (t5) = 00000000  R21 (s5) = 0000000  R29 (gp) = 00000000
R6 (a2) = 00000000  R14 (t6) = 00000000  R22 (s6) = 0000000  R30 (s8) = 00000000
R7 (a3) = 00000000  R15 (t7) = 00000000  R23 (s7) = 0000000  R31 (ra) = 00000000
```

Double Floating Point Registers

```
FP0     = 0.000000  FP8     = 0.000000  FP16     = 0.00000  FP24     = 0.000000
FP2     = 0.000000  FP10    = 0.000000  FP18     = 0.00000  FP26     = 0.000000
FP4     = 0.000000  FP12    = 0.000000  FP20     = 0.00000  FP28     = 0.000000
FP6     = 0.000000  FP14    = 0.000000  FP22     = 0.00000  FP30     = 0.000000
```

Single Floating Point Registers

Control Buttons

quit | load | run | step | clear | set value

print | breakpt | help | terminal | mode

User and Kernel Text Segments

Text Segments

```
[0x00400000] 0x8fa40000 lw R4, 0(R29)  []
[0x00400004] 0x27a50004 addiu R5, R29, 4 []
[0x00400008] 0x24a60004 addiu R6, R5, 4 []
[0x0040000c] 0x00041090 sll R2, R4, 2
[0x00400010] 0x00c23021 addu R6, R6, R2
[0x00400014] 0x0c000000 jal 0x00000000 []
[0x00400018] 0x3402000a ori R0, R0, 10 []
[0x0040001c] 0x0000000c syscall
```

Data and Stack Segments

Data Segments

```
[0x10000000]...[0x10010000] 0x00000000
[0x10010004]  0x74706563  0x206e6f69  0x636f2000
[0x10010010]  0x72727563  0x61206465  0x6920646e  0x726f6e67
[0x10010020]  0x000a6465  0x495b2020  0x7265746e  0x74707572
[0x10010030]  0x0000205d  0x20200000  0x616e555b  0x6e67696c
[0x10010040]  0x61206465  0x65726464  0x69207373  0x6e69206e
[0x10010050]  0x642f7473  0x20617461  0x63746566  0x00205d68
[0x10010060]  0x555b2020  0x696c616e  0x64656e67  0x64646120
[0x10010070]  0x73736572  0x206e6920  0x726f7473  0x00205d65
```

SPIM Messages

```
SPIM Version 3.2 of January 14, 1990
```