Subject: Re: AMD CPU - (pentium way faster)
Posted by Richard French on Fri, 01 Feb 2002 01:01:34 GMT
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Here's another one for the pot - SunBlade1000.
What's interesting is that the floating pt operations seem really
fast compared to the other benchmarks shown, but the looping tests
are not any faster. Comments from those who know about these CPUs?
Dick French

IDL> time_test3
|TIME_TEST3 performance for IDL 5.5:
| OS_FAMILY=unix, OS=sunos, ARCH=sparc
| Thu Jan 31 19:57:47 2002
  1 0.185932 Empty For loop, 2000000 times
  2 0.107824 Call empty procedure (1 param) 100000 times
  3 0.129075 Add 200000 integer scalars and store
  4 0.118094 50000 scalar loops each of 5 ops, 2 =, 1 if)
  5 0.102571 Mult 512 by 512 byte by constant and store, 30
times
  6 0.306812 Shift 512 by 512 byte and store, 300 times
  7 0.168105 Add constant to 512x512 byte array, 100 times
  8 0.194526 Add two 512 by 512 byte arrays and store, 80 times
  9 0.0596820 Mult 512 by 512 floating by constant, 30 times
 10 0.0806381 Shift 512 x 512 array, 60 times
 11 0.111282 Add two 512 by 512 floating images, 40 times
 12 0.166002 Generate 1000000 random numbers
 13 0.107743 Invert a 192^2 random matrix
 14 0.0361811 LU Decomposition of a 192^2 random matrix
 15 0.171751 Transpose 384^2 byte, FOR loops
 16 0.131389 Transpose 384^2 byte, row and column ops x 10
 17 0.250274 Transpose 384^2 byte, TRANSPOSE function x 100
 18 0.160186 Log of 100000 numbers, FOR loop
 19 0.237714 Log of 100000 numbers, vector ops 10 times
 20 0.0939361 131072 point forward plus inverse FFT
 21 0.245218 Smooth 512 by 512 byte array, 5x5 boxcar, 10 times
 22 0.0548640 Smooth 512 by 512 floating array, 5x5 boxcar, 5
times
 23 0.0700099 Write and read 512 by 512 byte array x 40
 3.28981=Total Time, 0.12610411=Geometric mean, 23
tests.