Current Test_urandom.py script with 20 trials.

Run on ATTU python Test_urandom.py 20

Operating system: posix
Bytes: 4 Median: 0.000020 StandardDev: 0.000010
Bytes: 16 Median: 0.000023 StandardDev: 0.000003
Bytes: 64 Median: 0.000038 StandardDev: 0.000001
Bytes: 256 Median: 0.000099 StandardDev: 0.000003
Bytes: 1024 Median: 0.000351 StandardDev: 0.000008
Bytes: 4096 Median: 0.001344 StandardDev: 0.000043
Bytes: 16384 Median: 0.005376 StandardDev: 0.000099
Bytes: 65536 Median: 0.021704 StandardDev: 0.000722
Bytes: 262144 Median: 0.087036 StandardDev: 0.001784
Bytes: 1048576 Median: 0.347659 StandardDev: 0.003015
Bytes: 4194304 Median: 1.391832 StandardDev: 0.008400

Run on Ubuntu 8.10 python Test_urandom.py 20

Operating system: posix

Bytes:4 Median:0.000022 StandardDev:0.000010
Bytes:16 Median:0.000026 StandardDev:0.000006
Bytes:64 Median:0.000044 StandardDev:0.000002
Bytes:256 Median:0.000110 StandardDev:0.000001
Bytes:1024 Median:0.000381 StandardDev:0.000022
Bytes:4096 Median:0.001494 StandardDev:0.000170
Bytes:16384 Median:0.003904 StandardDev:0.000976
Bytes:65536 Median:0.015448 StandardDev:0.000224
Bytes:262144 Median:0.061724 StandardDev:0.001023
Bytes:1048576 Median:0.250675 StandardDev:0.005725
Bytes:4194304 Median:0.998851 StandardDev:0.003955

Run on testbed-opensuse.cs.washington.edu python Test_urandom.py 20

Operating system: posix
Bytes: 4   Median: 0.000031   StandardDev: 0.000011
Bytes: 16   Median: 0.000040   StandardDev: 0.000009
Bytes: 64   Median: 0.000038   StandardDev: 0.000004
Bytes: 256   Median: 0.000088   StandardDev: 0.000004
Bytes: 1024   Median: 0.000286   StandardDev: 0.000007
Bytes: 4096   Median: 0.001070   StandardDev: 0.000010
Bytes: 16384   Median: 0.004219   StandardDev: 0.000016
Bytes: 65536   Median: 0.016809   StandardDev: 0.000058
Bytes: 262144   Median: 0.067113   StandardDev: 0.000441
Bytes: 1048576   Median: 0.269423   StandardDev: 0.000744
Bytes: 4194304   Median: 1.078464   StandardDev: 0.026495

Run on testbed-freebsd.cs.washington.edu python Test_urandom.py 20

Operating system: posix
Bytes: 4   Median: 0.000158   StandardDev: 0.000042
Bytes: 16   Median: 0.000169   StandardDev: 0.000035
Bytes: 64   Median: 0.000182   StandardDev: 0.000008
Bytes: 256   Median: 0.000205   StandardDev: 0.000021
Bytes: 1024   Median: 0.000297   StandardDev: 0.000010
Bytes: 4096   Median: 0.000664   StandardDev: 0.000029
Bytes: 16384   Median: 0.002076   StandardDev: 0.000055
Bytes: 65536   Median: 0.007775   StandardDev: 0.000128
Bytes: 262144   Median: 0.030683   StandardDev: 0.021852
Bytes: 1048576   Median: 0.131151   StandardDev: 0.036156
Bytes: 4194304   Median: 0.619245   StandardDev: 0.048232

Run on CSE ugrad lab Windows XP machine C:\Python26\python.exe Test_urandom.py 20
Operating system: nt
Bytes: 4   Median: 0.000000   StandardDev: 0.017441
Bytes: 16   Median: 0.000000   StandardDev: 0.000000
Bytes: 64   Median: 0.000000   StandardDev: 0.000000
Bytes: 256   Median: 0.000000   StandardDev: 0.000000
Bytes: 1024   Median: 0.000000   StandardDev: 0.000000
Bytes: 4096   Median: 0.000000   StandardDev: 0.000000
Bytes: 16384   Median: 0.000000   StandardDev: 0.004774
Bytes: 65536   Median: 0.000000   StandardDev: 0.006935
Bytes: 262144   Median: 0.016000   StandardDev: 0.003470
Bytes: 1048576   Median: 0.063000   StandardDev: 0.007759
Bytes: 4194304   Median: 0.266000   StandardDev: 0.007921

Model Name: **Power Mac G5**
  Model Identifier: PowerMac7,3
  Processor Name: PowerPC G5 (3.0)
  Processor Speed: 2 GHz
  Number Of CPUs: 2
  L2 Cache (per CPU):   512 KB
  Memory: 2 GB

python Test_urandom.py 20
Operating system: posix
Bytes: 4   Median: 0.000034   StandardDev: 0.000052
Bytes: 16   Median: 0.000038   StandardDev: 0.000048
Bytes: 64   Median: 0.000044   StandardDev: 0.000007
Bytes: 256   Median: 0.000077   StandardDev: 0.000006
Bytes: 1024   Median: 0.000200   StandardDev: 0.000013
Bytes: 4096   Median: 0.000697   StandardDev: 0.000010
Bytes: 16384   Median: 0.002755   StandardDev: 0.000070
Bytes: 65536   Median: 0.009786   StandardDev: 0.000526
Bytes: 262144   Median: 0.038870   StandardDev: 0.000072
Bytes: 1048576   Median: 0.155037   StandardDev: 0.007164
Bytes: 4194304   Median: 0.686012   StandardDev: 0.018465

Windows Vista 32bit

/Python26/python.exe Test_urandom.py 20

Operating system: nt

Bytes: 4   Median: 0.000000   StandardDev: 0.006932
Bytes: 16   Median: 0.000000   StandardDev: 0.000000
Bytes: 64   Median: 0.000000   StandardDev: 0.000000
Bytes: 256   Median: 0.000000   StandardDev: 0.000000
Bytes: 1024   Median: 0.000000   StandardDev: 0.000000
Bytes: 4096   Median: 0.000000   StandardDev: 0.000000
Bytes: 16384   Median: 0.000000   StandardDev: 0.000000
Bytes: 65536   Median: 0.000000   StandardDev: 0.003354
Bytes: 262144   Median: 0.000000   StandardDev: 0.006935
Bytes: 1048576   Median: 0.046000   StandardDev: 0.016345
Bytes: 4194304   Median: 0.063000   StandardDev: 0.056414

Original testing, comparison of urandom to /dev/random and /dev/urandom.

```
Operating system: posix UBUNTU 8.10          Batch_test_random.py 20
          /dev/random                /dev/urandom              os.urandom
Bytes: 32 <M:26.522364 S:9.867791>  <M:0.000024 S:0.000001>  <M:0.000063 S:0.000001>
Bytes: 256 <M:243.688030 S:29.007068>  <M:0.000096 S:0.000002>  <M:0.000135 S:0.000004>
Bytes: 1024 <        N/A        >  <M:0.000348 S:0.000005>  <M:0.000387 S:0.000007>
Bytes: 4096 <        N/A        >  <M:0.001357 S:0.000009>  <M:0.001394 S:0.000023>
Bytes: 16385 <       N/A        >  <M:0.005341 S:0.000130>  <M:0.005408 S:0.000156>


Operating system: posix ATTU
     /dev/random                /dev/urandom              os.urandom
Bytes: 32 <M:0.000064 S:2.368294>  <M:0.000025 S:0.000004>  <M:0.000070 S:0.000010>
Bytes: 256 <M:221.934690 S:1467.064205>  <M:0.000103 S:0.000016>  <M:0.000147 S:0.000017>
Bytes: 1024 <        N/A        >  <M:0.000374 S:0.000057>  <M:0.000419 S:0.000004>
Bytes: 4096 <        N/A        >  <M:0.000981 S:0.000182>  <M:0.001020 S:0.000020>
Bytes: 16385 <       N/A        >  <M:0.003875 S:0.000462>  <M:0.003904 S:0.000023>
```