

```
randy@localhost lab1 $ cat /proc/cpuinfo
```

```
processor      : 0
vendor_id     : GenuineIntel
cpu family    : 6
model         : 55
model name   : Intel(R) Pentium(R) CPU N3540 @ 2.16GHz
stepping      : 8
microcode     : 0x809
cpu MHz       : 499.677
cache size    : 1024 KB
physical id    : 0
siblings      : 4
core id       : 0
cpu cores     : 4
apicid        : 0
initial apicid : 0
fpu           : yes
fpu_exception : yes
cpuid level   : 11
wp            : yes
flags         : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush
dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts
rep_good nopl xtopology nonstop_tsc aperfmperf eagerfpu pni pclmulqdq dtes64 monitor ds_cpl
vmx est tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 movbe popcnt tsc_deadline_timer rdrand lahf_lm
3dnowprefetch epb tpr_shadow vnmi flexpriority ept vpid tsc_adjust smep erms dtherm ida arat
bugs          :
bogomips      : 4326.40
clflush size   : 64
cache_alignment : 64
address sizes  : 36 bits physical, 48 bits virtual
power management:
```

Test name	Speedup		
	Vector size		
	10000	1000000	100000000
particles_vectorized	3.78	2.19	2.26