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# eigen30M

2 x AMD EPYC 7301 16-Core testing with a Supermicro H11DSi v1.01 (1.1c BIOS) and ASPEED 4GB on Ubuntu 20.04 via the Phoronix Test Suite.

## Test Systems:

### Erster Test

Processor: 2 x AMD EPYC 7301 16-Core @ 2.20GHz (32 Cores), Motherboard: Supermicro H11DSi v1.01 (1.1c BIOS), Chipset: AMD 17h, Memory: 126GB, Disk: 6001GB HGST HUS726060AL + 1000GB Samsung SSD 860 + 1000GB CT1000MX500SSD1, Graphics: ASPEED 4GB, Audio: NVIDIA GP107GL HD Audio, Network: 2 x Intel I350

OS: Ubuntu 20.04, Kernel: 5.8.0-53-generic (x86_64), Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.9, Display Driver: NVIDIA, Compiler: GCC 7.5.0, File-System: ext4, Screen Resolution: 1024x768

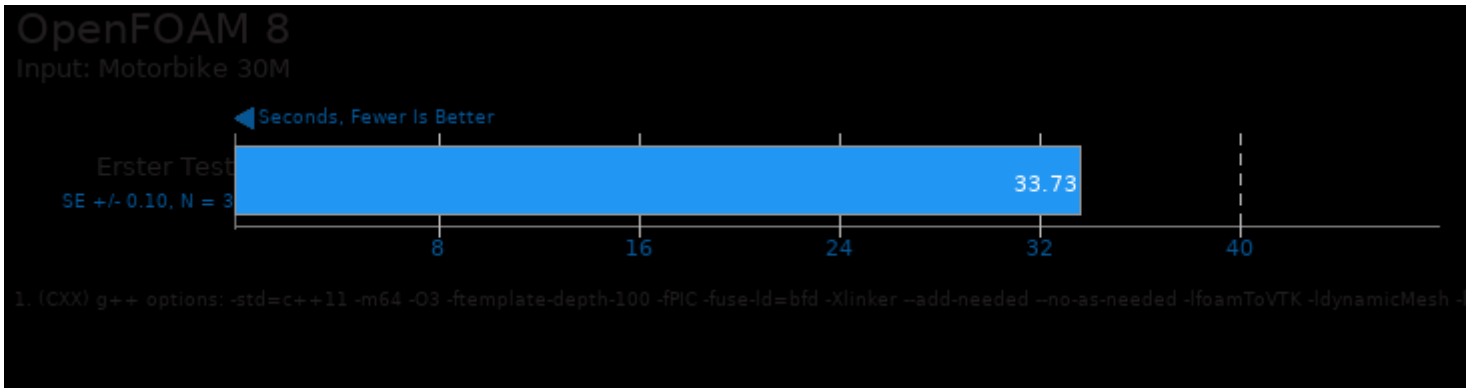
Kernel Notes: Transparent Huge Pages: madvise
Environment Notes: WM_LDFLAGS=-m64 WM_CFLAGS="-m64 -fPIC" WM_CXXFLAGS="-m64 -fPIC -std=c++0x"
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix

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--host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8001250
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline IBPB: conditional STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

| | Erster Test |
|---|---|
| **OpenFOAM - Motorbike 30M (sec)** | 33.73 |
| **Standard Deviation** | 0.5% |

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*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 09:22.*