

Lab 8: Microbenchmarks and SIMD Instructions

Matthew Duschenes

Department of Applied Physics, University of Michigan

November 14, 2020

1 Membench

2 SIMD Instructions

2.1 AVX Support

- The commands used to verify if the current machine/processor supports AVX are:

```
grep -E "avx[0-9]" /proc/cpuinfo
```

and if the current machine/processor supports AVX2 are:

```
grep -E "avx2" /proc/cpuinfo
```