| | rison of stochastic | Lanczos qu | adrature | (SLQ, v | vith degree |
|-----------------|-----------------------------|--------------|---------------|--------------|---------------|
| Monte Carlo sa | mples, and full re- | orthogonaliz | zation), M | EMDE | T, and FL |
| NCE on a de | nse $500,000 \times 500$ | ,000 NTK 1 | matrix for | r a Res | Net50 mod |
| ined on CIFAI | R-10 with 50,000 d | datapoints. | MEMDE | T comp | outes the e |
| log-determinar | nt and serves as the | e benchmar | k, with re | elative en | rrors of oth |
| thods measured | d against it. Costs | s and wall t | ime are b | pased on | an NVID |
| 00 GPU (\$2/h | our) and an 8-core | 3.6GHz CI | PU (\$0.2/ | hour) u | sing Amaz |
| cing and includ | le NTK formation f | from a pre-t | rained ne | twork. | |
| | | | | | |
| | | | | | |
| | -41 d | | | | |
| Me | ethod | | Rel. | Est. | Wall |
| | ethod Settings | TFLOPs | Rel. Error | Est. Cost | Wall Time |
| Name SLQ | | TFLOPs 5203 | | | |
| Name | Settings | | Error | Cost | Time |
| Name SLQ | Settings $l = 100, s = 104$ | 5203 | Error 55% | Cost \$83 | Time 1.8 days |