
Supplementary File II

Processing time of CryoSieve

A single workstation, outfitted with a Tesla V100 GPU, an Intel Xeon Gold 6132 CPU at 2.60GHz, and 376GB of memory, was used for testing. The protocol demo was completed in 1 hour and 43 minutes.

Multiple result files will be generated and saved in the output directory. For instance, the `_iter{n}.star` file contains particles that remain after the n-th sieving iteration, and the `_postprocess_iter{n}` folder houses the postprocessing result after the n-th iteration.

Minimal requirement for running CryoSieve

CryoSieve necessitates PyTorch version 1.10.0 or higher, and the PyTorch 1.10.0 packages officially available on Anaconda demand a CUDA toolkit version of 10.2 or above. Therefore, to operate CryoSieve, a system equipped with an NVIDIA GPU card that supports CUDA toolkit version 10.2 or higher is required as the minimum setup.