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HPC Visualisation Birds-of-a-Feather (BoF)

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Proposed design of the visualisation system for CHPC

Visualisation systems are used to analyse scientific data in various disciplines such as material science, computational physics, chemistry and climatology. The Centre for High Performance Computing (CHPC) users visualise their scientific data utilising their own laptops and desktops, of which, these computers sometimes do not have adequate computational resources such as processor, memory, graphics processing unit (GPU) and large screen to effectively display data generated by parallel programs. Users completed the survey about the proposal to setup a new visualisation system at CHPC and the results of these questionnaires will be discussed accordingly. To this end, we propose an in situ visualisation system, which can be used to visualise data in real-time or after it is being produced by the simulation executed on the High Performance Computing system.

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