

EXCALIBUR SYSGENX

Garth N. Wells University of Cambridge

Engineer's House, 11-12 October 2023



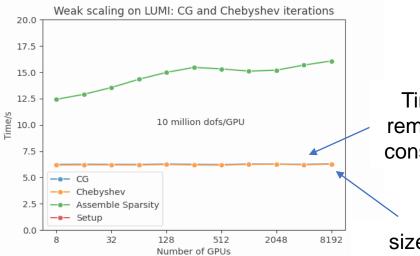
UK Research and Innovation UK Atomic Energy Authority

Project Status

Vision development of open, high performance, high productivity software environments and tools for PDEs at exascale for important problems from a wide range of fields

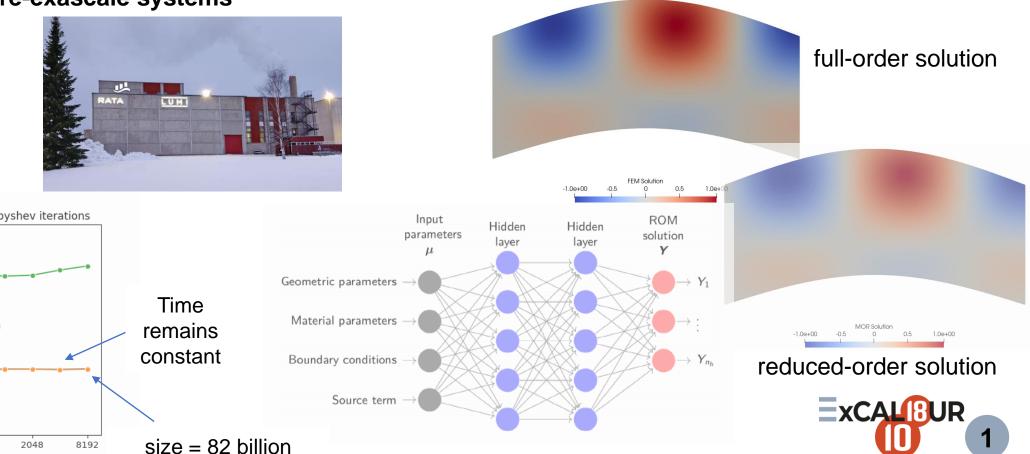
Linear algebra on pre-exascale systems







Al techniques for reduced-order modelling



Current challenges

- We're going ok!
- Recruitment was challenging, shortage of suitably skilled candidates in the UK

Has affected scheduling of research activities

Engagement

• We're holding PDESoft 2024 in Cambridge (1-3 July 2024) with an ExCALIBUR theme. Web site available soon.



