This is XSEDE.

XSEDE gives scientists, engineers, and researchers a pathway to digital science resources like powerful supercomputers, massive collections of data, and custom-made tools that are now critical to the success of science.

XSEDE integrates these resources and services, makes them easier to use, and helps more people use them. **XSEDE** helps you address the most important and challenging problems facing the nation and world.

XSEDE
Extreme Science and Engineering Discovery Environment

XSEDE is supported by the National Science Foundation.

What you can do with XSEDE

GET TIME: Use custom-made coordinated allocation system to get access to NSF high-end resources like Stampede, Comet, SuperMIC and more.
xsede.org/allocations

GET HELP: Experts from XSEDE's Extended Collaborative Support Service (ECSS) will work closely with your team on visualization, code optimization, and other challenges.
xsede.org/ecss

GET TRAINING: Take advantage of classes in HPC, visualization, data management, distributed and grid computing, science gateways, and more.
xsede.org/training

GET ENGAGED: Students can gain real-world knowledge and development experience, and be encouraged to pursue advanced degrees and professional careers in STEM.
xsede.org/web/guest/engagement

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UNDER THE HOOD, SPECS AND DETAILS

Advanced distributed systems architecture, rooted in user requirements and hardened by systems engineering. Includes expansive list of more than 200 pieces of open-source software.

Internet2 and XSEDEnet-configured private network between XSEDE service provider sites across a shared 10G bandwidth.

XSEDE User Portal allows user to manage jobs, report issues and analyze and visualize results. Portal now available as free apps in Google Play and Apple App store.

Advanced cybersecurity allows easy access to users and prevents attacks.

The Campus Champions program brings together XSEDE and various campuses to promote cyberinfrastructure in education and research.

Led by NCSA, XSEDE is a ground-breaking distributed cyberinfrastructure project funded by the National Science Foundation. Other partners include: Cornell, Indiana, Julich, NCAR, NICS, Ohio State, Pittsburgh, Purdue, Rice, SDSC, Shodor, SURA, TACC, Berkeley, University of Chicago, and UVA.

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Questions?
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