The Pittsburgh Supercomputing Center

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Description

The Pittsburgh Supercomputing Center (PSC), one of the national centers established by the National Science Foundation, provides advanced supercomputer resources to the scientific and engineering research communities. PSC provides computing resources and support facilities for work in many branches of science. To date, it has supported work by over 1500 researchers at 170 institutions in 43 states, representing virtually all fields of scientific and engineering endeavor.

The Center currently offers:

- a Cray Y-MP/832 supercomputer which features eight processing units sharing common memory of 32 million 64-bit words.
- a Solid-state Storage Device (SSD) which will hold 128 million words and can transfer data at 156 Mwords per second on each of two parallel channels
- three Digital Equipment Corporation VAX 8810 machines (front ends to the Y-MP)
- an IBM 4381-P21 with 30GB of disk storage for CFS, an archiving system, and
- high-function engineering workstations, personal computers, and special-purpose graphics devices, such as an Ardent Titan, a Pixar image computer, a Silicon Graphics IRIS workstation, TekTronix terminals, and Postscript laser printers.

The Center provides experienced user services and training in scientific research. Consultants are available to answer users' questions Monday through Saturday. The Center offers classes and workshops on different aspects of supercomputing, provides online and hardcopy documentation, produces a monthly newsletter and a technical bulletin, and annually publishes a booklet which highlights some of the scientific research done at the Center. The systems and software staff selects and installs new software and spearheads system development efforts.

Network Access

The center is on the Internet.

Who Can Use The Center

Requests for supercomputing services may be made directly to the PSC.

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