Computing at OSU Physics
Physics Computer Facility
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Physics Support Services

Our Mission:

To help you avoid supporting computers, so you can do PHYSICS
Topics

- Facilities
- Applications
- Email
- Access from home
- Accounts
- Policies
- Support Services
Computing Facilities

- Local network
- Desktop
- Remote supercomputers
- Internet
Facilities: The Local Network

- Switched Ethernet
- VMS and UNIX servers on Alphaserver 2100 multiprocessors
- Windows 2000 Server
- PostScript printers
Facilities: The Desktop

- Platforms supported:
  - Intel-based PCs (Windows 98/NT/2000/XP)
  - Macs
  - Unix workstations (Digital, Unix, Solaris)
  - Alpha and VAX workstations (VMS)
  - Linux (RedHat v7.2)
Facilities:
Computer Lab, Room 2064

- Hardware: 7 Pentiums running Win98
- Software:
  - Mathematica
  - Maple
  - Office 2000
  - Internet Explorer
  - Etc. (please ask)
Facilities:
Remote Supercomputers
(The Ohio Supercomputer Center)

• Vector Computer
• Parallel Computers
• Mass Storage
• Visualization Lab
• Specialized Staff
Facilities: The Internet

- Email on all public servers
- SSH/SFTP/FTP access from any public machine
- Web clients on most public machines
- Web servers for student, faculty and staff personal home pages
- FTP server on Campbell for distribution via anonymous FTP
Applications

• Numerical (Mathematica, Maple)
• Symbolic computation (IMSL, CERNLIB)
• Scientific typesetting/publishing (TeX/LaTeX, MS Word)
• Network communication
• Data acquisition and processing (MS Access, MS Excel)
• Language support (Fortran 90, Fortran 77, C, C#)
Email

• POP, IMAP, Host-based clients
  – Outlook, Outlook Express
  – Twig
  – yahMail (http://mps.ohio-state.edu)
  – Pine
  – Emacs, rmail, pmdf mail

• POP and IMAP Mail Servers
  – ohstpy.mps.ohio-state.edu (VMS)
  – campbell.mps.ohio-state.edu (UNIX)
Access from Home: Homenet

- Free package from OIT
- Available for Mac OS, Windows, DOS
- Software, docs and license agreements available from PCF
- Support: OIT (8-HELP/8-4357)
Computer Accounts

- Separate authentication for services (Win, VMS, Unix, SONNET)
- Application for Physics Computer Account
- OIT “Request for Computer Access or Gopher for SONNET”
Policies

- Don’t steal software
- Don’t interfere with others’ work
- Don’t abuse Internet access
Specific Support Services

• Analysis of needs
• Access to resources at Physics, OSC and other OSU departments
• Getting software and assistance from OIT
• Purchase of software/hardware
Additional Resources

• PCF Webpage
  – http://www.physics.ohio-state.edu/~pcf
• Email us!  action@mps.ohio-state.edu
• Site-specific information:
  – Unix: /ohstpy/public or man policy
  – VMS: DEV$PUBLIC:[000000]
• Online help
• Usenet News
• Web search engines (Google, DejaNews, Alta Vista, Lycos, Infoseek, Yahoo, etc.)
Physics Computing Facility

• By email: action@mps.ohio-state.edu
• In person: Smith 2180/2174
• By phone: 2-4269

Have a great summer!