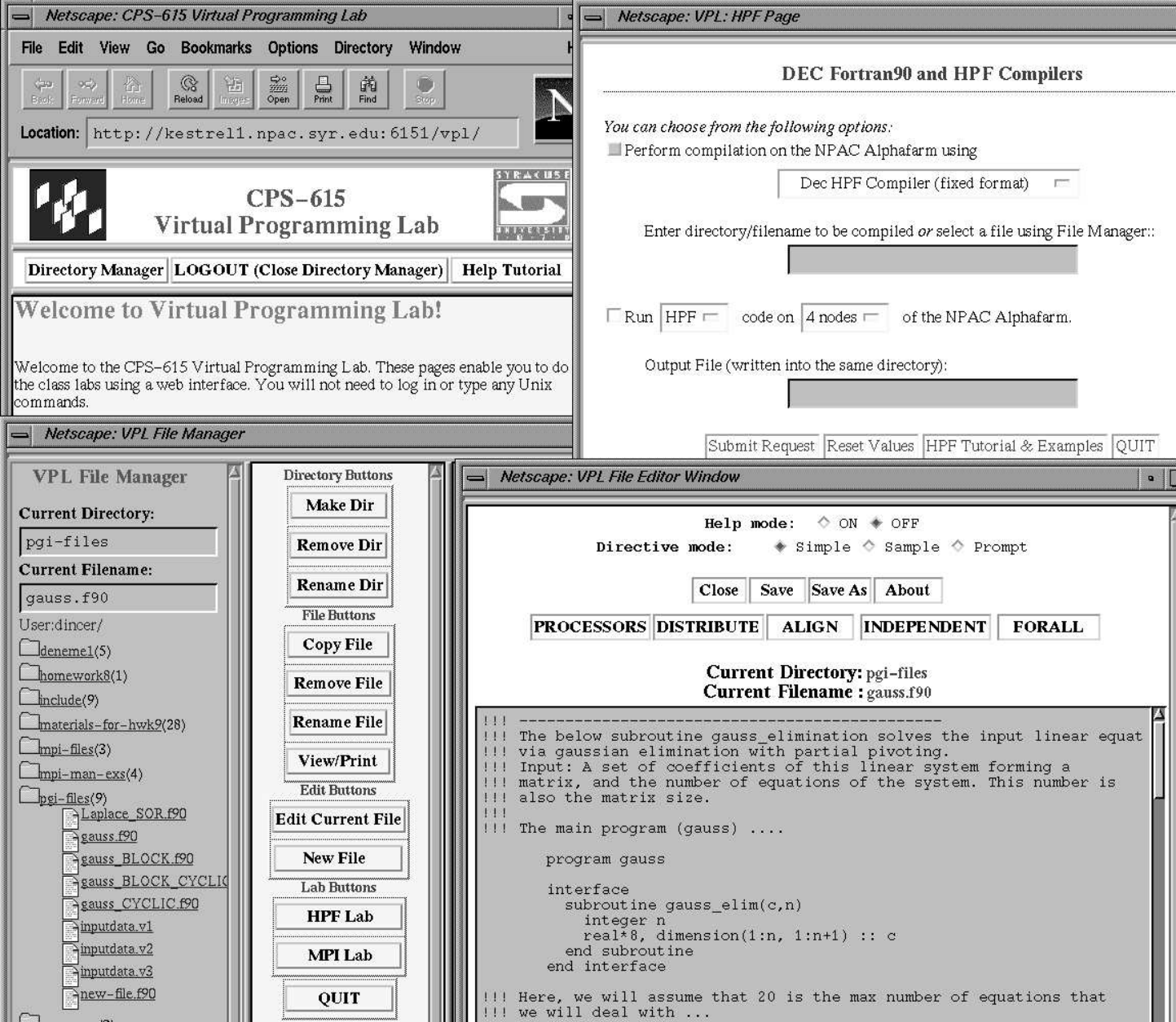
Netscape: CPS-615 Virtual Programming Lab
File Edit View Go Bookmarks Options Directory Window
Back Forward Home Reload Images Open Print Find Stop
Location: http://kestrel1.npac.syr.edu:6151/vpl/
CPS-615
Virtual Programming Lab
Directory Manager
LOGOUT (Close Directory Manager)
Help Tutorial
Welcome to Virtual Programming Lab!
Welcome to the CPS-615 Virtual Programming Lab. These pages enable you to do the class labs using a web interface. You will not need to log in or type any Unix commands.
Netscape: VPL: HPF Page
DEC Fortran90 and HPF Compilers
You can choose from the following options:
Perform compilation on the NPAC Alphafarm using
Dec HPF Compiler (fixed format)
Enter directory/filename to be compiled or select a file using File Manager::
Run HPF code on 4 nodes of the NPAC Alphafarm.
Output File (written into the same directory):
Submit Request
Reset Values
HPF Tutorial & Examples
QUIT
Netscape: VPL File Manager
VPL File Manager
Current Directory:
pgi-files
Current Filename:
gauss.f90
User:dincer/
deneme1(5)
homework8(1)
include(9)
materials-for-hwk9(28)
mpi-files(3)
mpi-man-exs(4)
pgi-files(9)
Laplace_SOR.f90
gauss.f90
gauss_BLOCK.f90
gauss_BLOCK_CYCLIC
gauss_CYCLIC.f90
inputdata.v1
inputdata.v2
inputdata.v3
new-file.f90
Directory Buttons
Make Dir
Remove Dir
Rename Dir
File Buttons
Copy File
Remove File
Rename File
View/Print
Edit Buttons
Edit Current File
New File
Lab Buttons
HPF Lab
MPI Lab
QUIT
Netscape: VPL File Editor Window
Help mode: ON OFF
Directive mode: Simple Sample Prompt
Close
Save
Save As
About
PROCESSORS
DISTRIBUTE
ALIGN
INDEPENDENT
FORALL
Current Directory: pgi-files
Current Filename : gauss.f90
!!! ----------
!!! The below subroutine gauss_elimination solves the input linear equat
!!! via gaussian elimination with partial pivoting.
!!! Input: A set of coefficients of this linear system forming a
!!! matrix, and the number of equations of the system. This number is
!!! also the matrix size.
!!!
!!! The main program (gauss) ....
program gauss
interface
subroutine gauss_elim(c,n)
integer n
real*8, dimension(1:n, 1:n+1) :: c
end subroutine
end interface
!!! Here, we will assume that 20 is the max number of equations that
!!! we will deal with ...