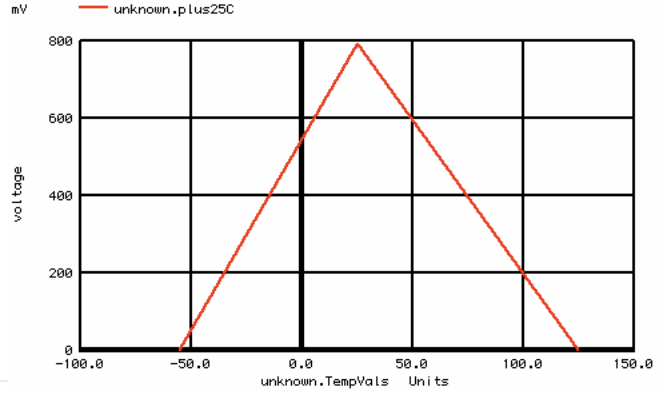
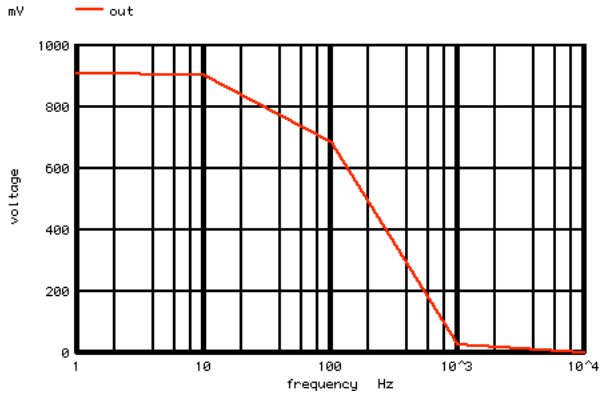


UNKNOWN_ARRAY_TESTS

THE UNKNOWN DISPLAY CAN BE USED TO STORE DATA AND PLOT SEVERAL RELATIONSHIPS ON A SINGLE PLOT. (A GLOBAL STORAGE AREA)



```

=====Create_Unknown_display=====
=====Create_Namelist=====
2      plus25C
=====Step_NameList=====
1      plus125C
2      plus25C
3      minus55C
=====Create_Array_From_NameList=====
=====display_present_arrays=====
Here are the vectors currently active:

Title: Anonymous
Name: unknow15 (unknown)
Date: Mon Feb 21 12:22:37 2011

j      : notype, real, 1 long [default scale]
k      : notype, real, 1 long
plus25C : notype, real, 3 long
=====Create_Array_Data=====
=====Run_AC=====

```

UNKNOWN_ARRAY_TESTS
AC Analysis Mon Feb 21 12:22:37 2011

Index	frequency	out
0	1.000000e+00, 0.000000e+00	9.090612e-01, -5.19255e-03
1	1.000000e+01, 0.000000e+00	9.061345e-01, -5.17583e-02
2	1.000000e+02, 0.000000e+00	6.854504e-01, -3.91528e-01
3	1.000000e+03, 0.000000e+00	2.703472e-02, -1.54422e-01
4	1.000000e+04, 0.000000e+00	2.785479e-04, -1.59106e-02

```

=====AC simulation adds another plot display=====
=====display_present_arrays=====
Here are the vectors currently active:

Title: UNKNOWN_ARRAY_TESTS
Name: ac16 (AC Analysis)
Date: Mon Feb 21 12:22:37 2011

frequency : frequency, complex, 5 long, grid = xlog [default scale]
out       : voltage, complex, 5 long
vac#branch : current, complex, 5 long
vin       : voltage, complex, 5 long
=====Access_UnknownArray=====

```

Anonymous
unknown Mon Feb 21 12:22:37 2011

Index	unknown.TempVal	unknown.plus25C
0	1.250000e+02	0.000000e+00
1	2.500000e+01	7.893901e-01
2	-5.500000e+01	0.000000e+00

Plotting Data from unknowArray
=====Done=====

UNKNOWN_ARRAY_TESTS

```

.OPTIONS GMIN=1e-18 METHOD=trap srcsteps = 1 gminsteps = 1
*=====
VAC      VIN      0      DC      0      AC      1
R1       VIN      OUT    1k
C1       OUT      0      1u
R2       OUT      0      10k

.control
set      pensize      = 2
set      NameList
echo     "=====Create_Unknown_display=====
setplot new
echo     "=====Create_Namelist=====
set      NameList = ( plus125C plus25C minus55C )
let      j = 2
set      thisName = $NameList[$&j]
echo     "$&j $thisName "
echo     "=====Step_NameList=====

```

```

let          k          = 1
while
(k          <= 3 )
set          thisName = $NameList[$&k]
echo        "$&k      $thisName "
let          k =      k + 1
end
echo "=====Create_Array_From NameList====="
set          thisName = $NameList[$&j]
let $thisName = 0*vector(3)
echo "=====display_present_arrays====="
display
echo "=====Create_Array_Data====="
compose      TempVals      values 125 25 (-55)
compose      TestVals2     values 1 2 3
*display
*print       TempVals
*plot       TempVals vs TestVals2
echo "=====Run_AC====="
ac           dec 1 1 10k
plot        out
echo        "AC simulation adds another plot display "
echo "=====display_present_arrays====="
display
echo "=====Access_UnknownArray====="
let          unknown.plus25C[1]=mag(out[2])
print       unknown.TempVals unknown.plus25C
plot        unknown.plus25C vs unknown.TempVals
echo        "Plotting Data from unknowArray "
echo "=====Done====="
.endc
.end

```