box u21$

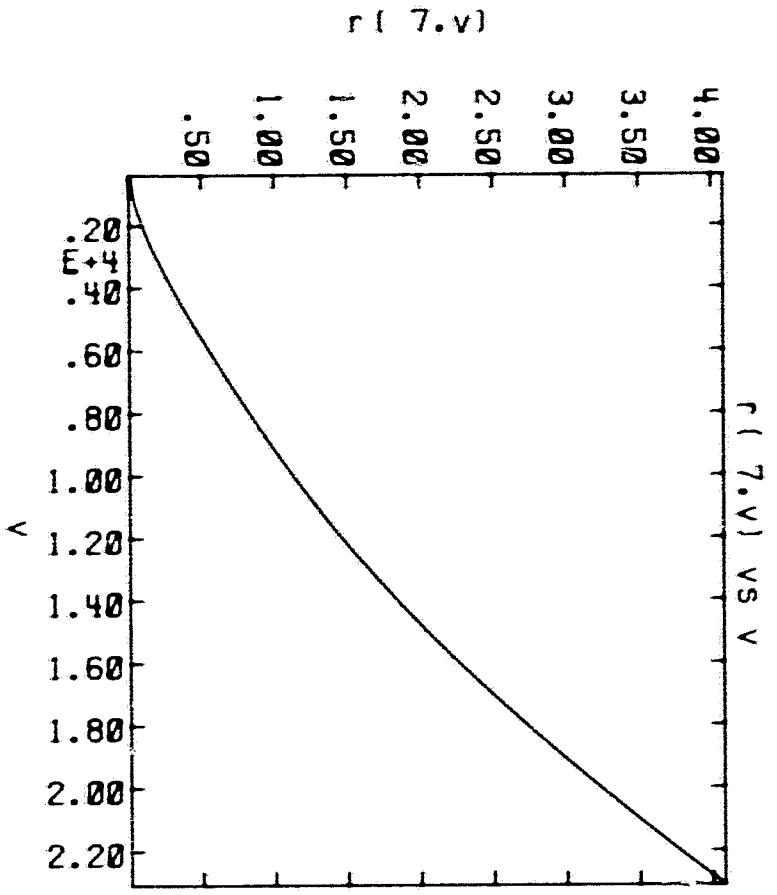
graflib:gcs02042kcs02042

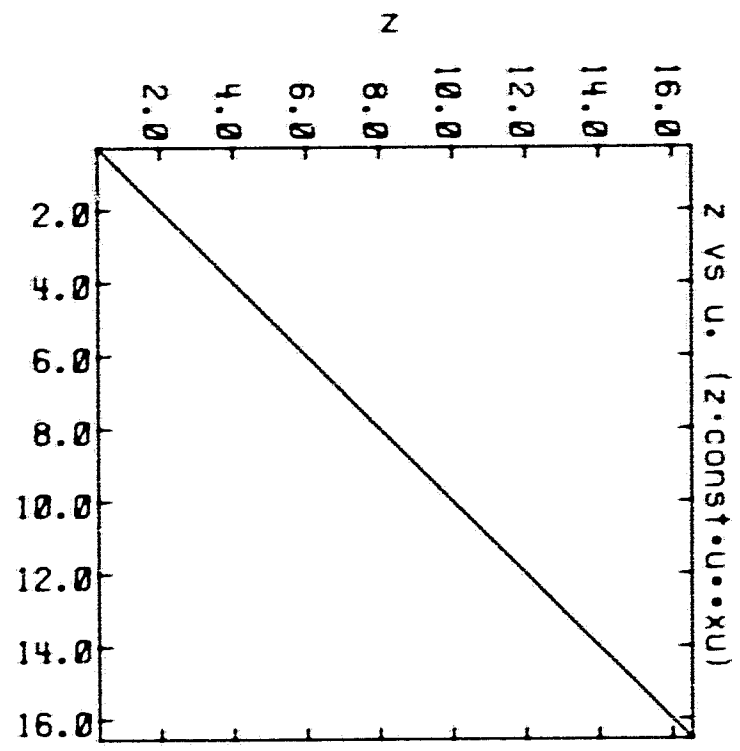
11:04:0409/22/82 c

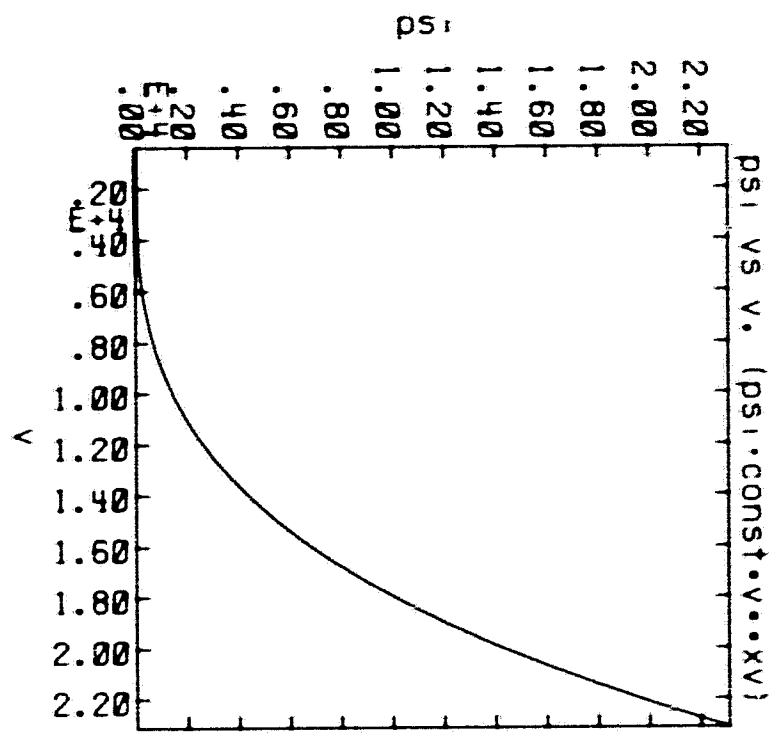
```
box u21$

graflib:gcs02042kcs02042

11:04:0409/22/82 c
```

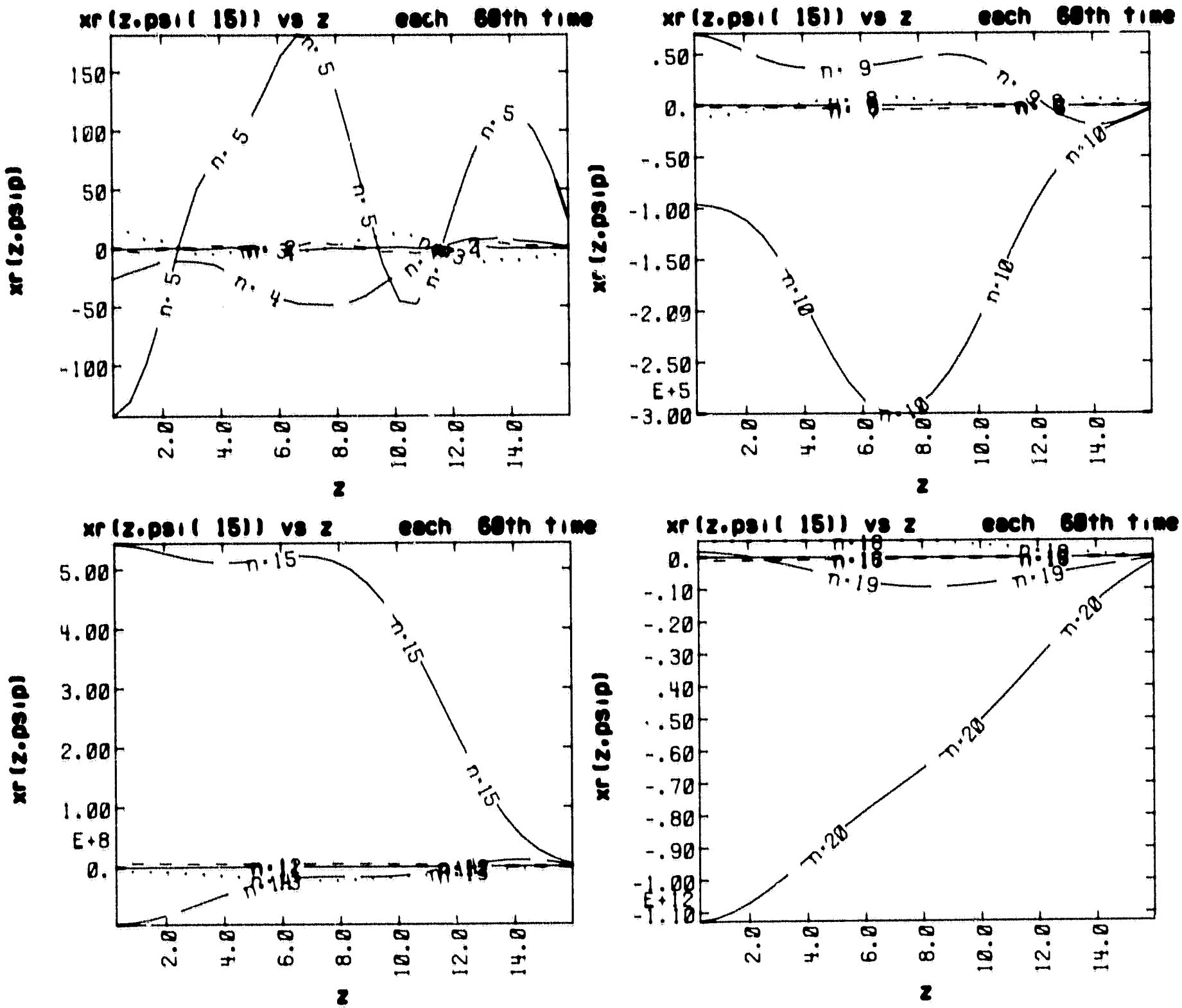
this problem run by xflc11

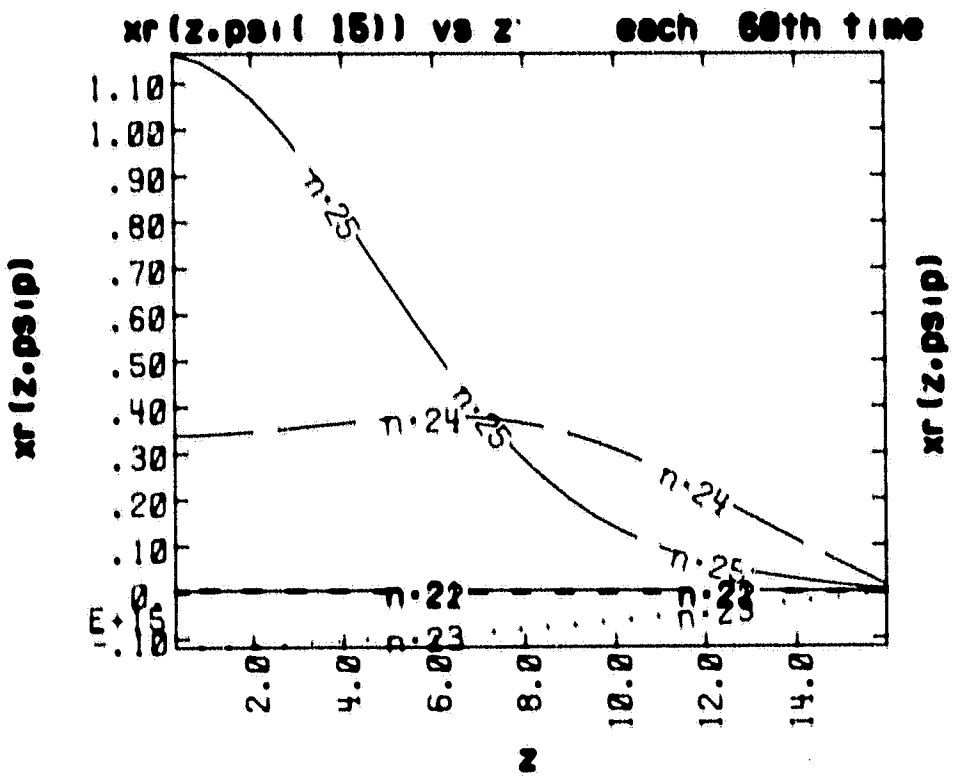
```
dt=     3.125000e-11
ix=       30
jx=       30
total time steps =     2400
no. of iterations =        4
bias=    0.01000
ratrod=    -2.000000e+00
drift freq. (omegst) =  7.46038832e+08
rotation freq. (omegr) = -1.49207766e+09
e x b freq. (omegexb) = -7.46038832e+08
flr=  1.00000000e+00
sf6=  1.00000000e+00
sf8=  1.00000000e+00
enbar=  0.
kplot=      349
kzs=        1
valfk =  2.00000000e-02
      cpu time =  8.51124930e+13
      i-o time =  1.62529000e+12
      sys time =  9.68752000e+12
    u exponent (xu) =    1.00000000e+00
    v exponent (xv)=  3.32192809e+00
      en0=  1.00000000e+14
      b0=  1.00000000e+04
```

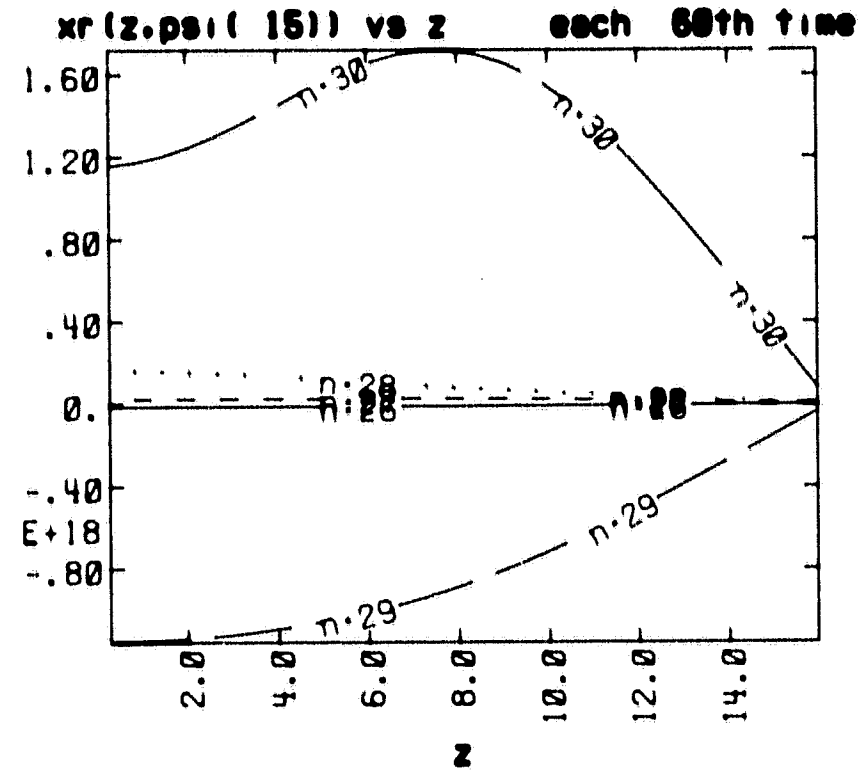

r(7,v)
.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
v
r(7,v) vs v

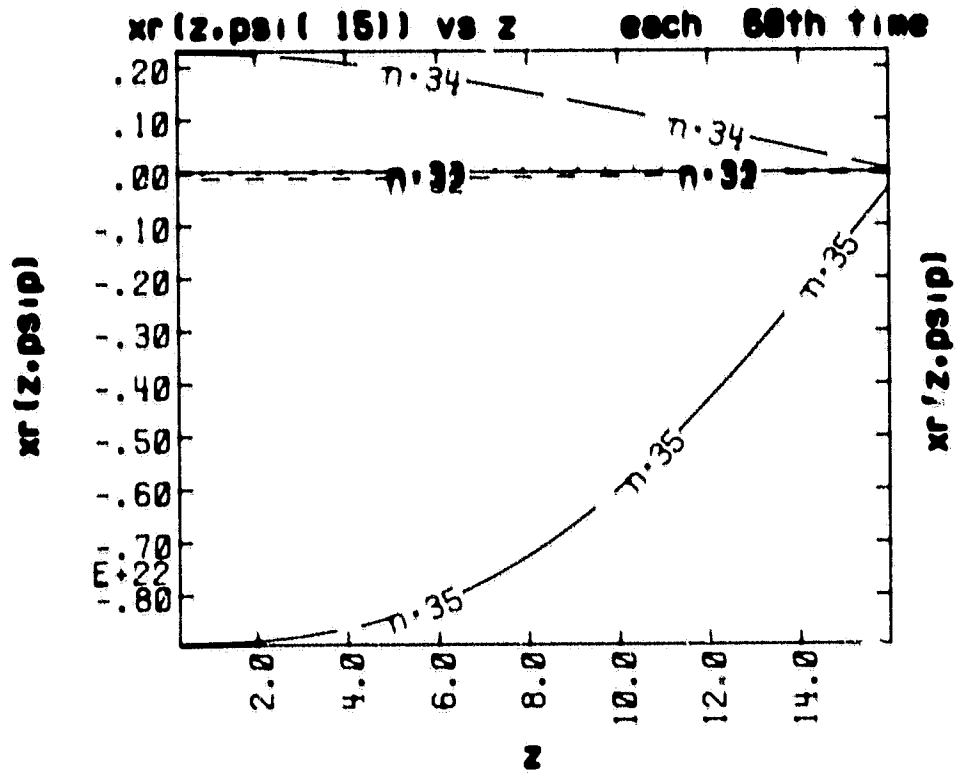

z
2.0
4.0
6.0
8.0
10.0
12.0
14.0
16.0
u
z vs u. (z.const*u**xu)

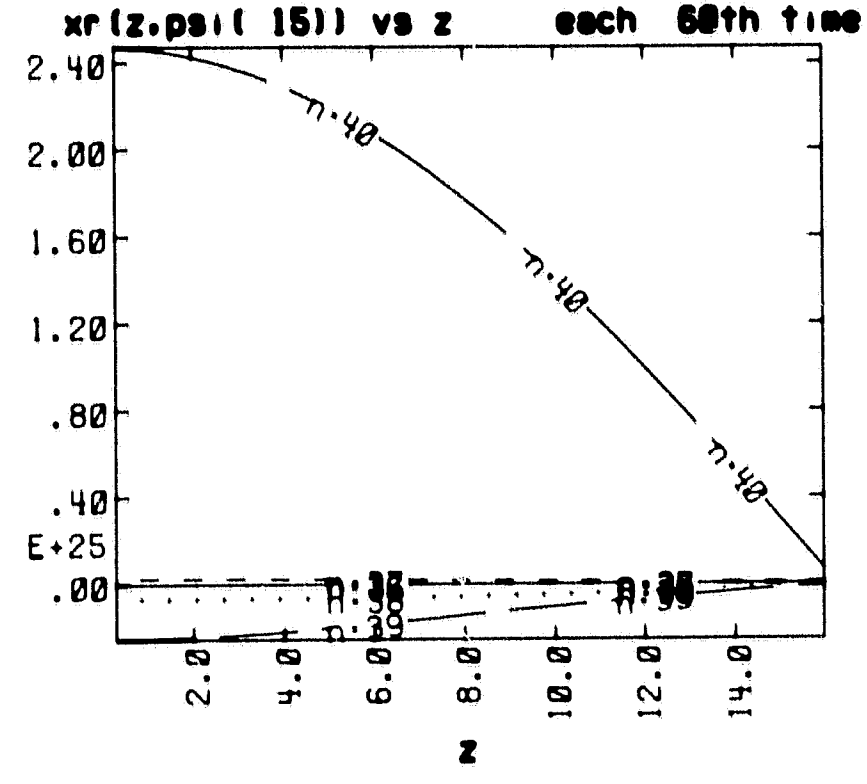

ps:
.00
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
v
ps: vs v. (ps:*const*v**xv)

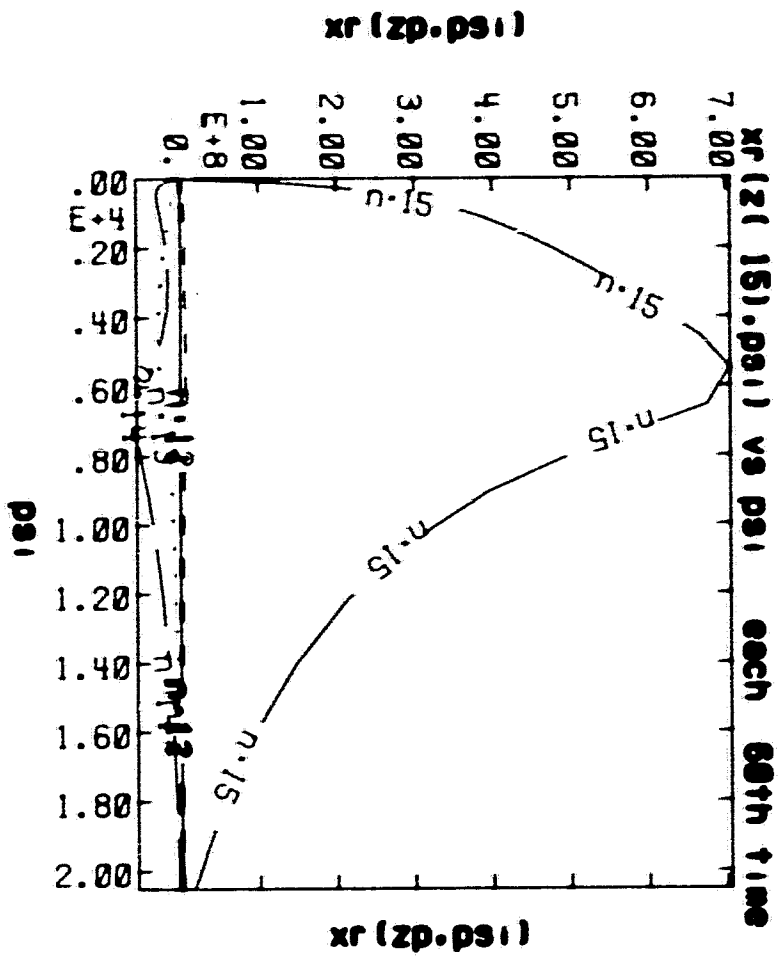

xr(z.psi(15)) vs z each 60th time
xr(z.psip)
z
n=5
n=4
n=3
n=9
n=10
n=15
n=20
E+5
E+8
E+12

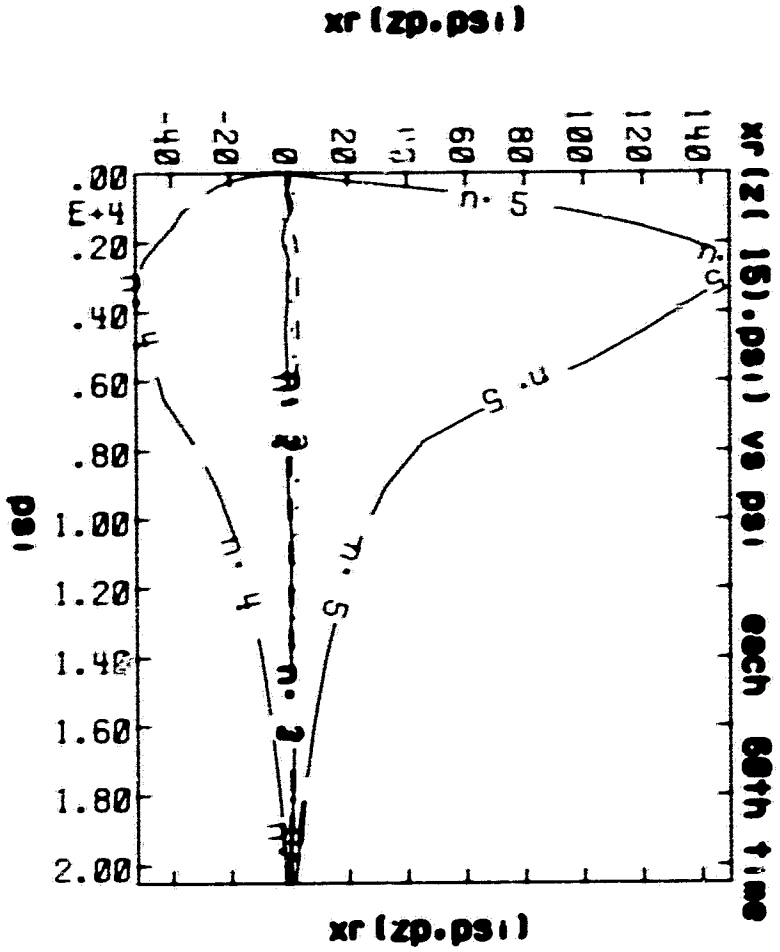

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
1.10
1.00
.90
.80
.70
.60
.50
.40
.30
.20
.10
0.
-.10
E+15
n·22
n·24
n·25
n·23
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

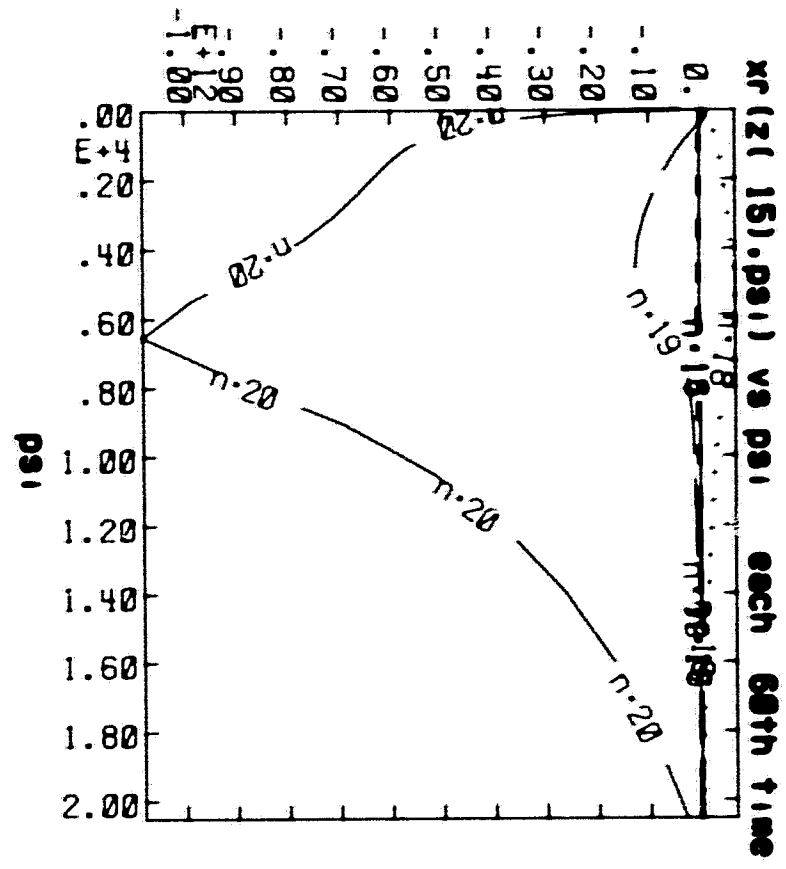

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
1.60
1.20
.80
.40
0.
-.40
E+18
-.80
n·30
n·28
n·29
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

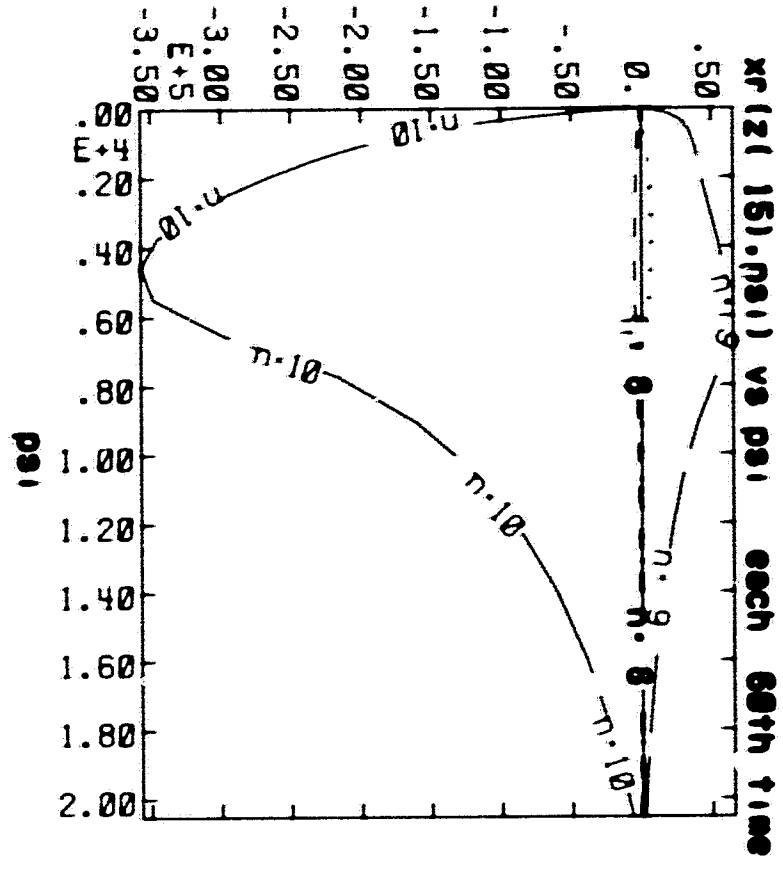

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
.20
.10
.00
-.10
-.20
-.30
-.40
-.50
-.60
-.70
E+22
-.80
n·34
n·32
n·35
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

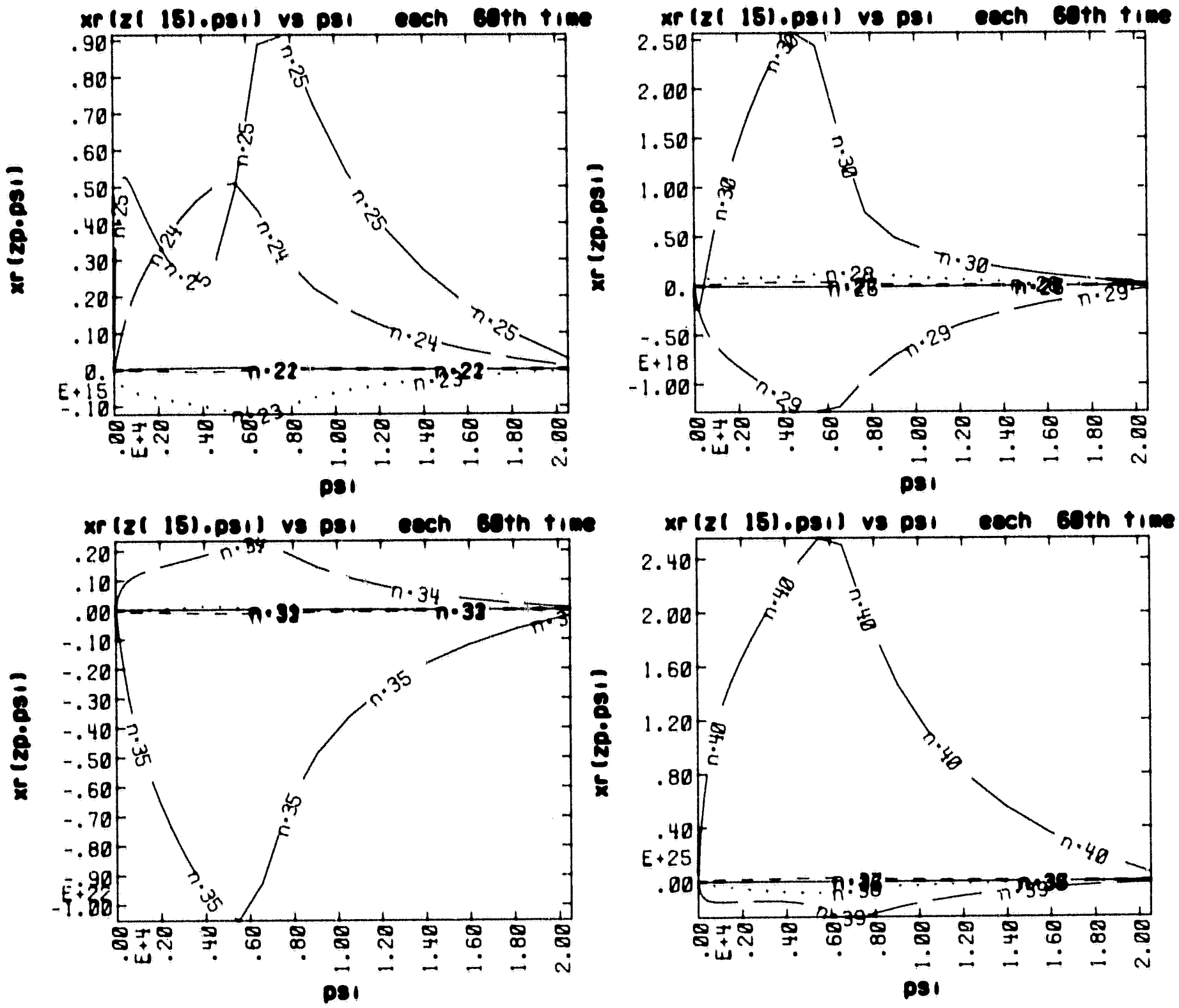

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
2.40
2.00
1.60
1.20
.80
.40
E+25
.00
n·40
n·35
n·36
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

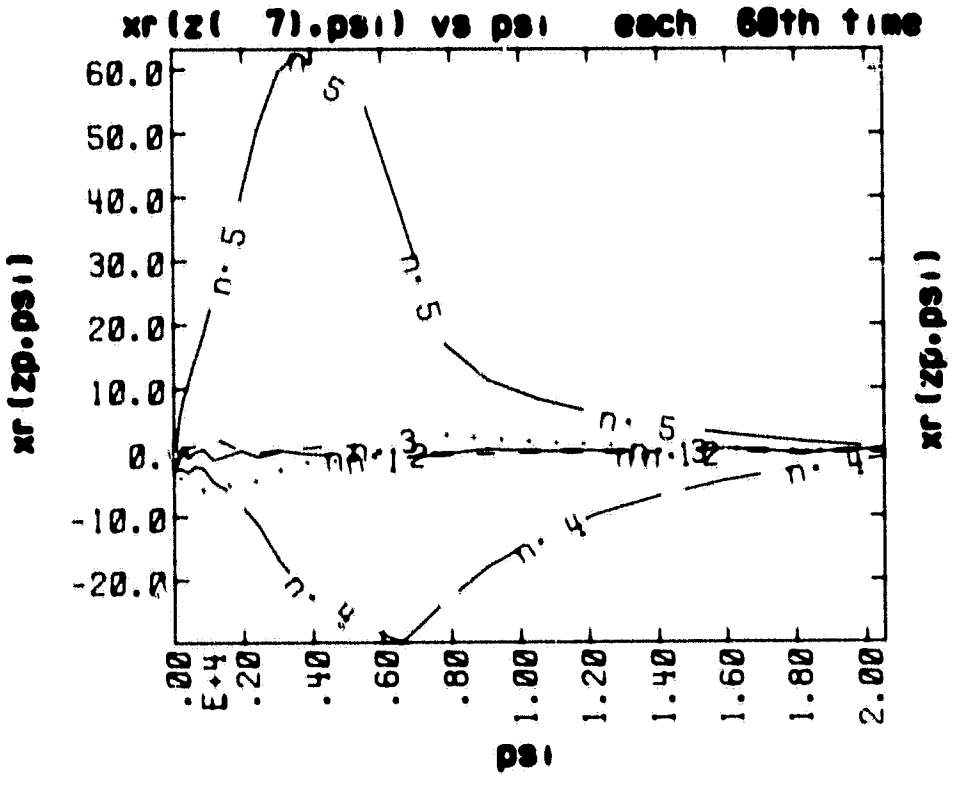

xr (zp.psi)
xr (zp.psi)
psi
xr (zp.psi) vs psi each 60th time

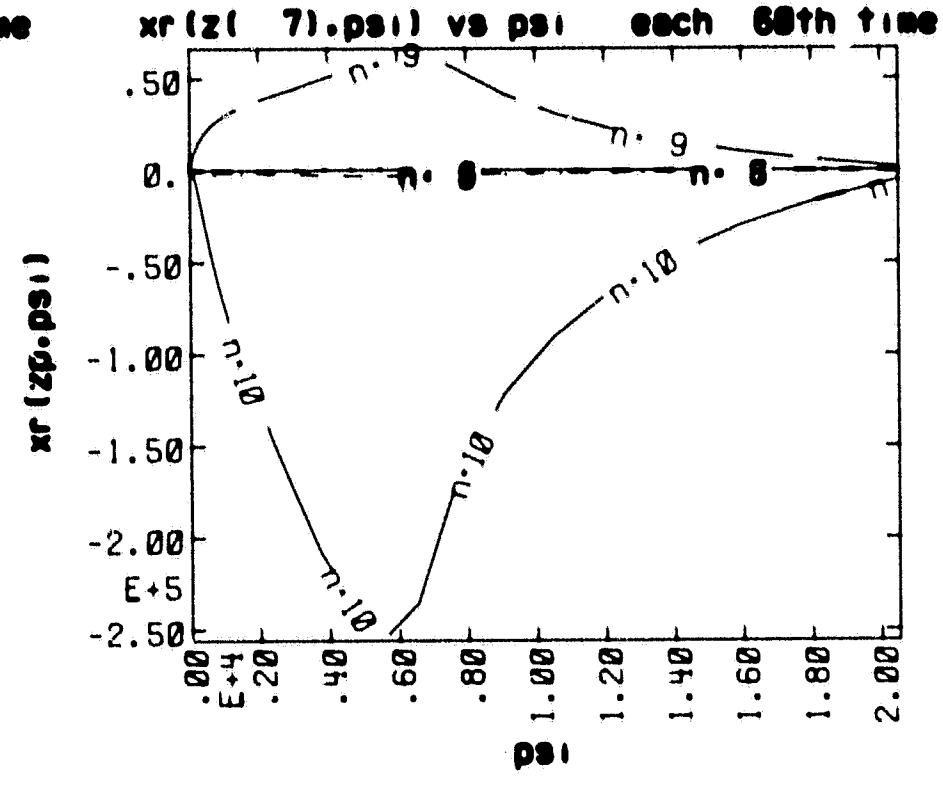

xr (zp.psi)
xr (zp.psi)
psi
xr (zp.psi) vs psi each 60th time

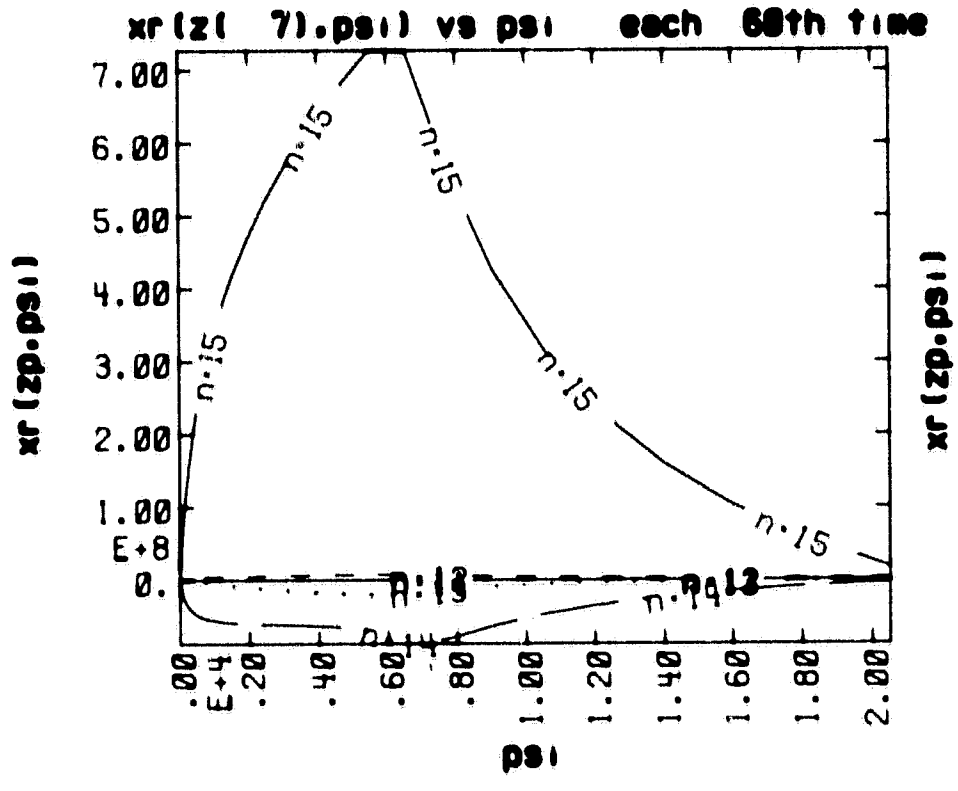

xr (zp.psi)
xr (zp.psi)
psi
xr (zp.psi) vs psi each 60th time

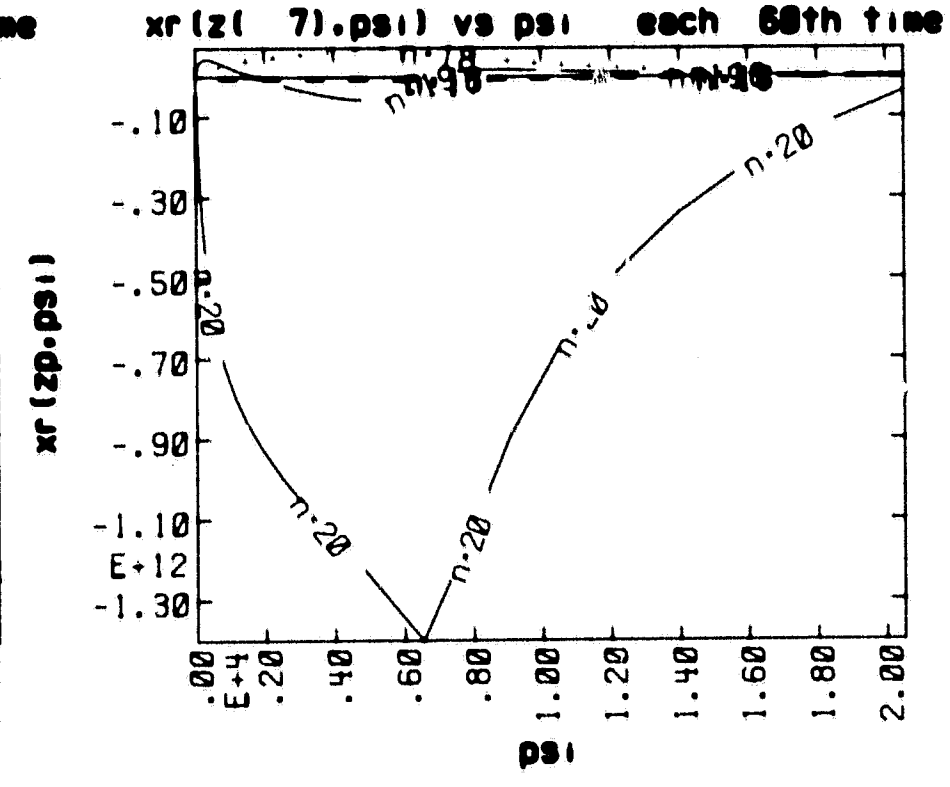

xr (zp.psi)
xr (zp.psi)
psi
xr (zp.psi) vs psi each 60th time

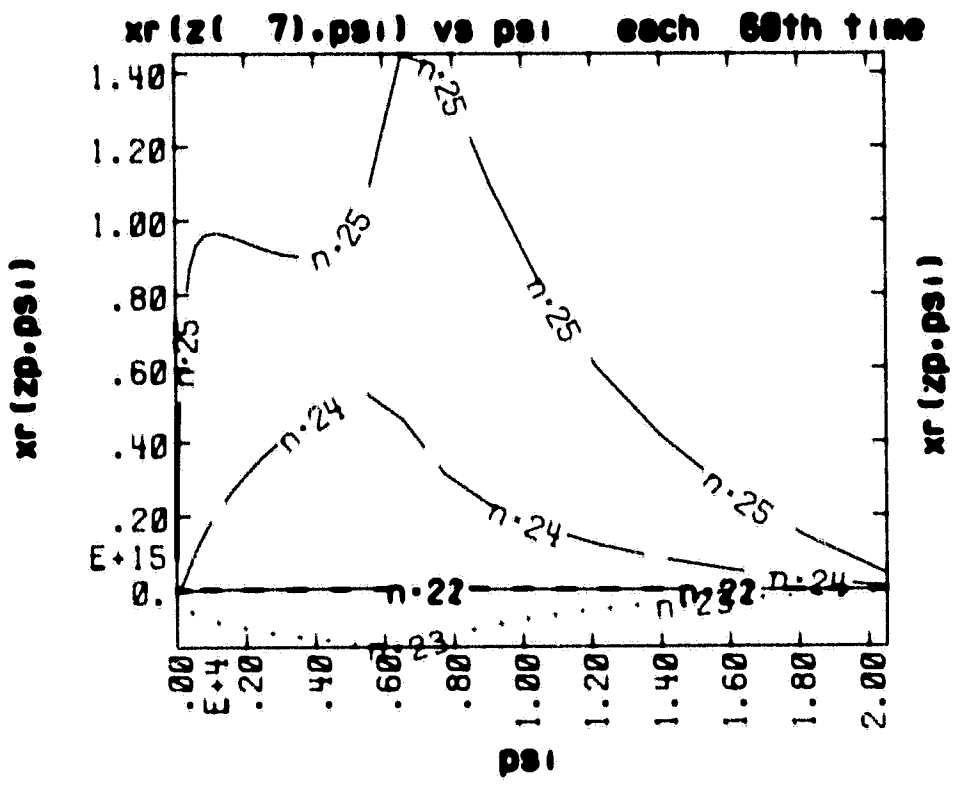

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
n·22
n·23
n·24
n·25
n·28
n·29
n·30
n·32
n·34
n·35
n·38
n·39
n·40
E+15
E+18
E+22
E+25
E+4

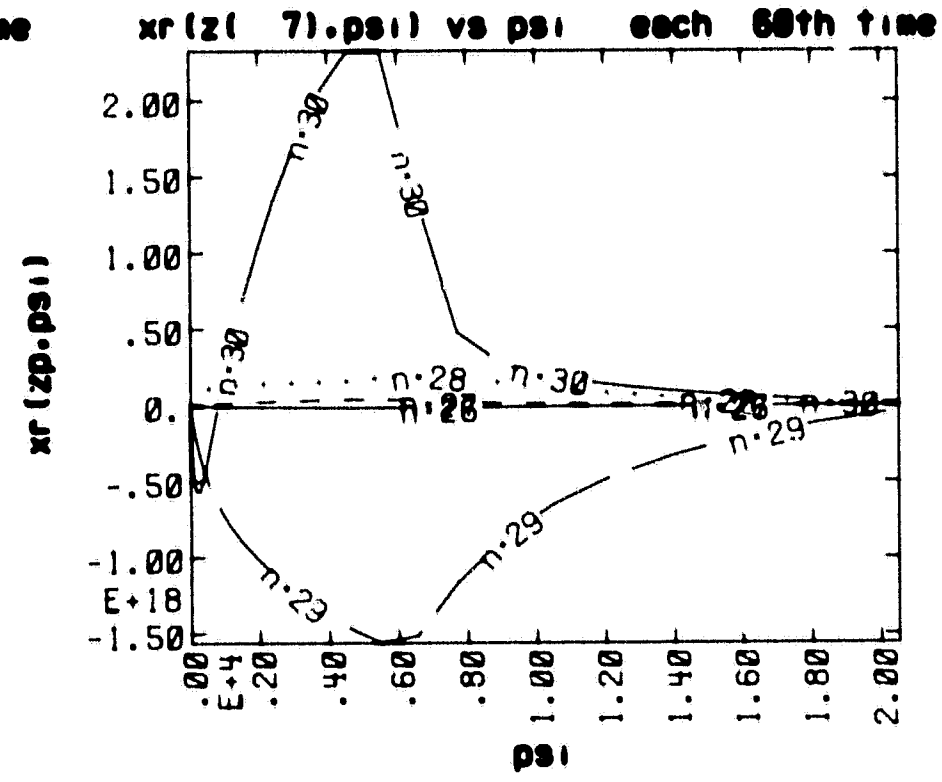

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
60.0
50.0
40.0
30.0
20.0
10.0
0.
-10.0
-20.0
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
n=5
n=4
n=3
n=12

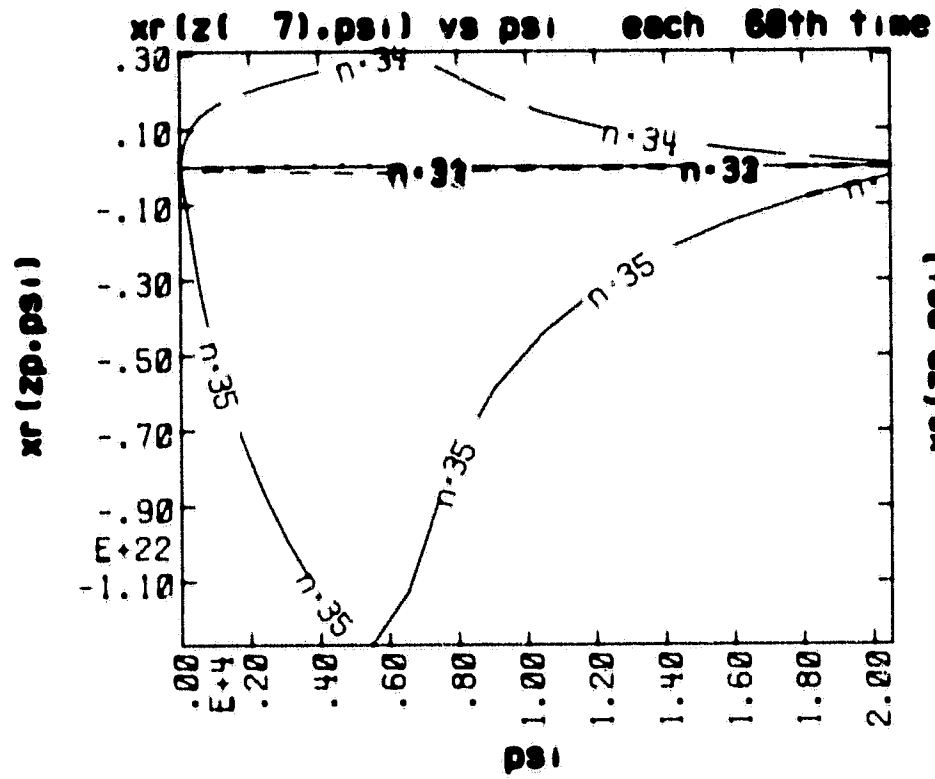

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
.50
0.
-.50
-1.00
-1.50
-2.00
E+5
-2.50
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
n=9
n=10
n=8

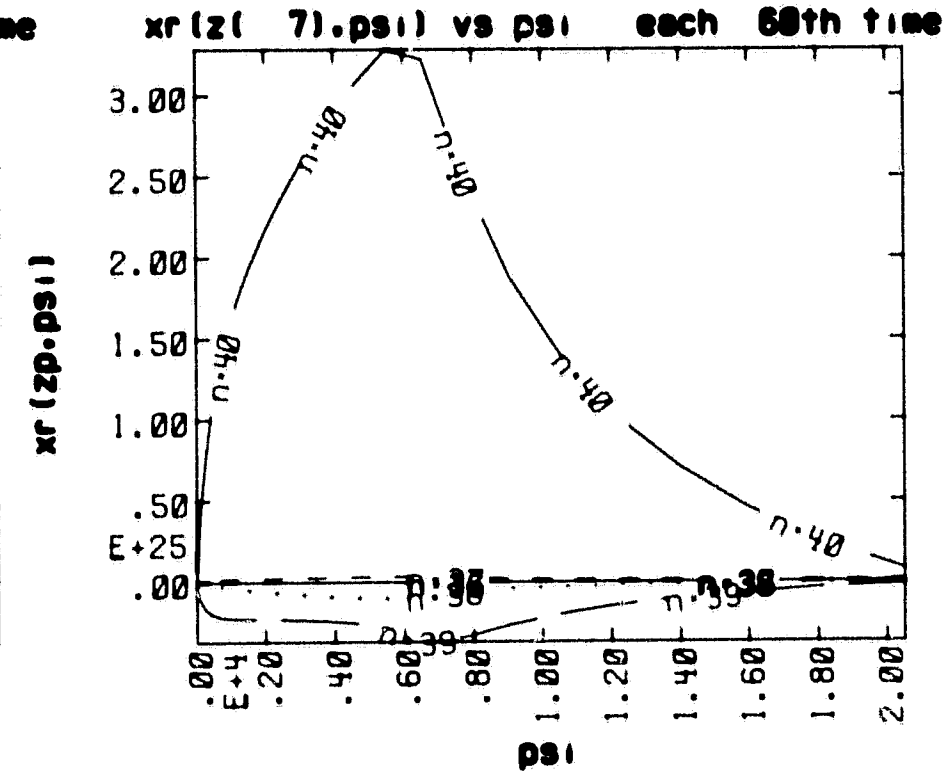

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
7.00
6.00
5.00
4.00
3.00
2.00
1.00
E+8
0.
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
n=15
n=13
n=14

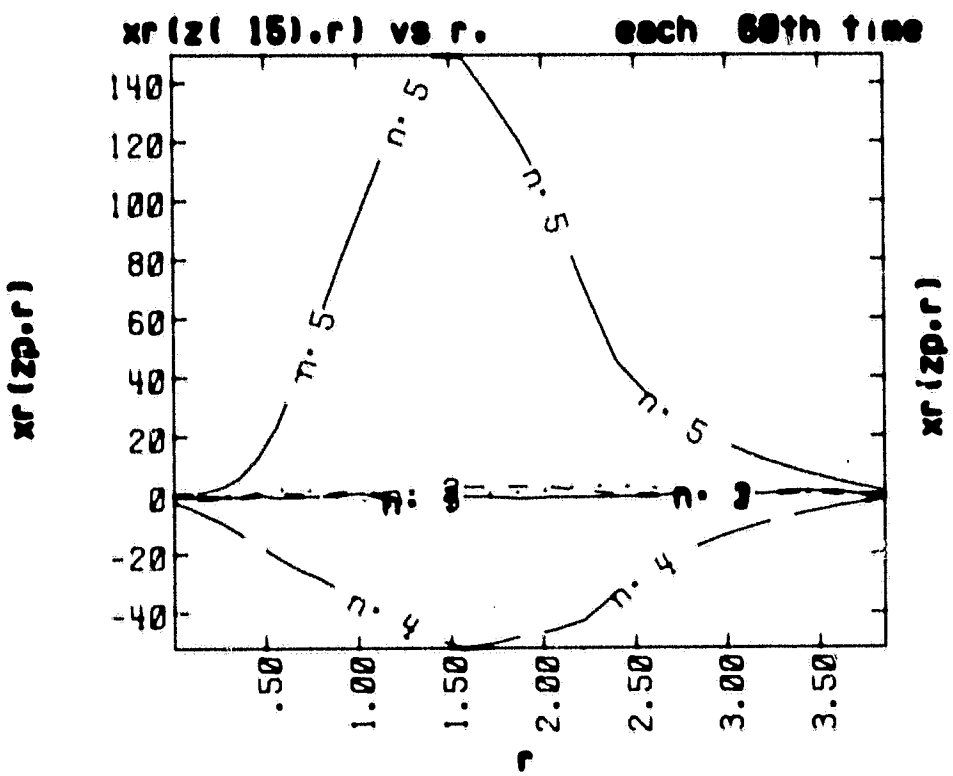

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
-.10
-.30
-.50
-.70
-.90
-1.10
E+12
-1.30
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
n=20

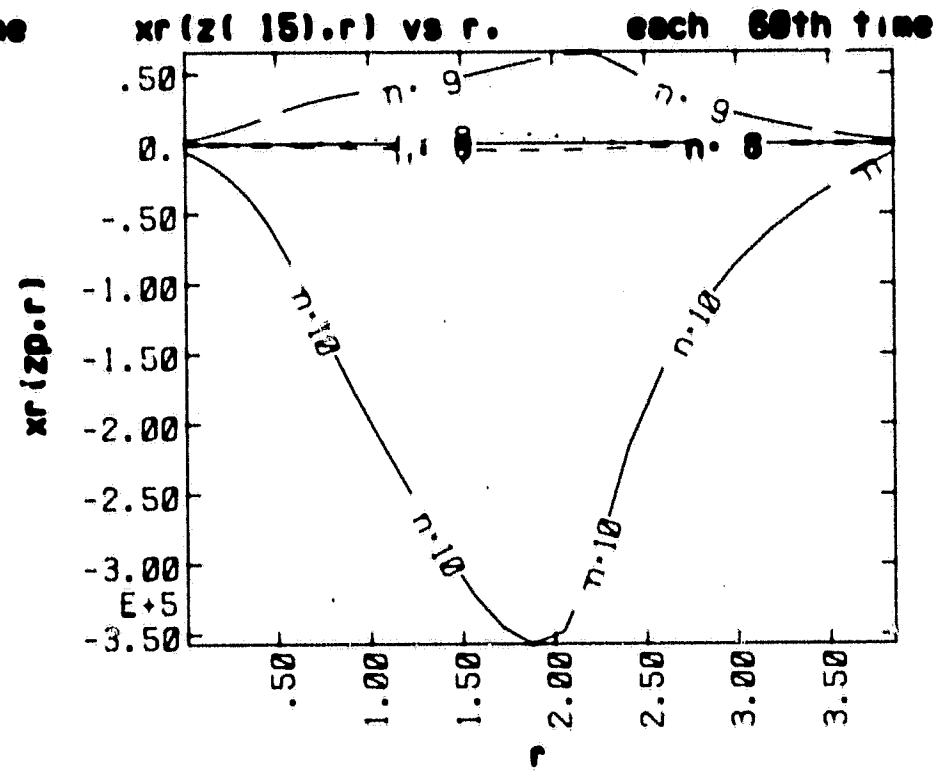

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
n·25
n·24
n·22
n·23
E+15
E+4

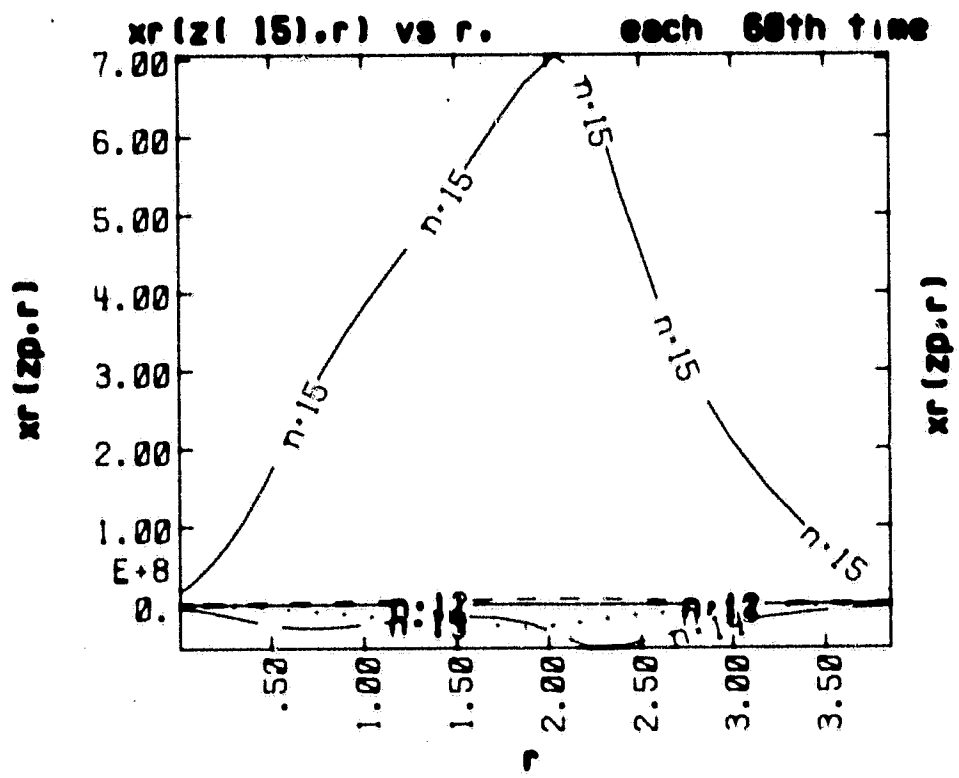

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
n·30
n·28
n·29
n·23
E+18
E+4

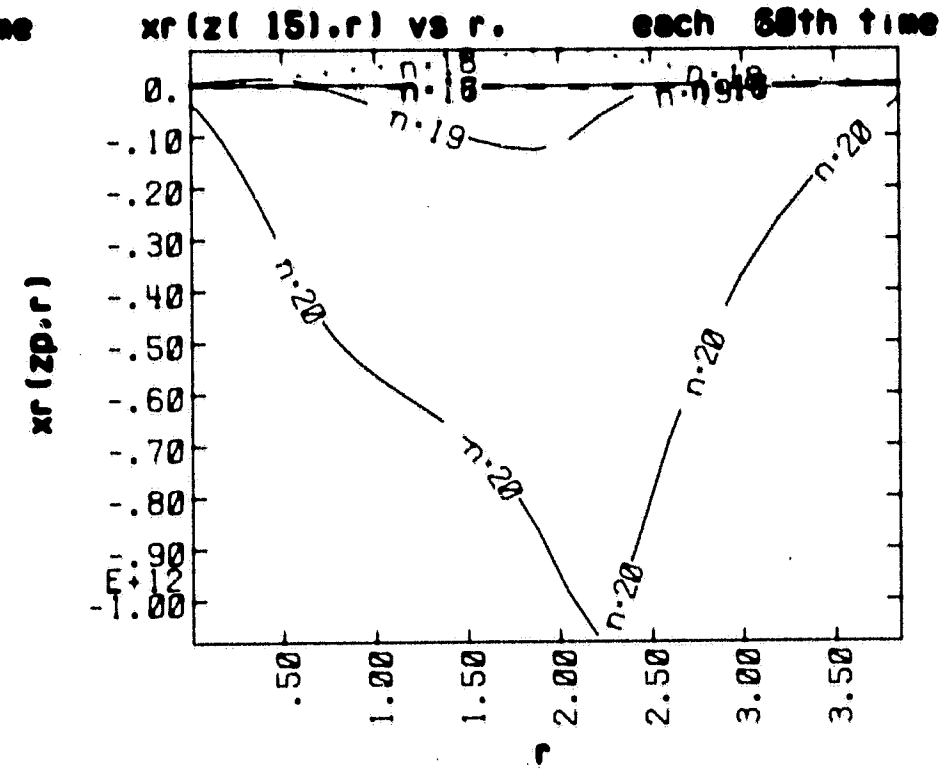

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
n·34
n·33
n·35
E+22
E+4

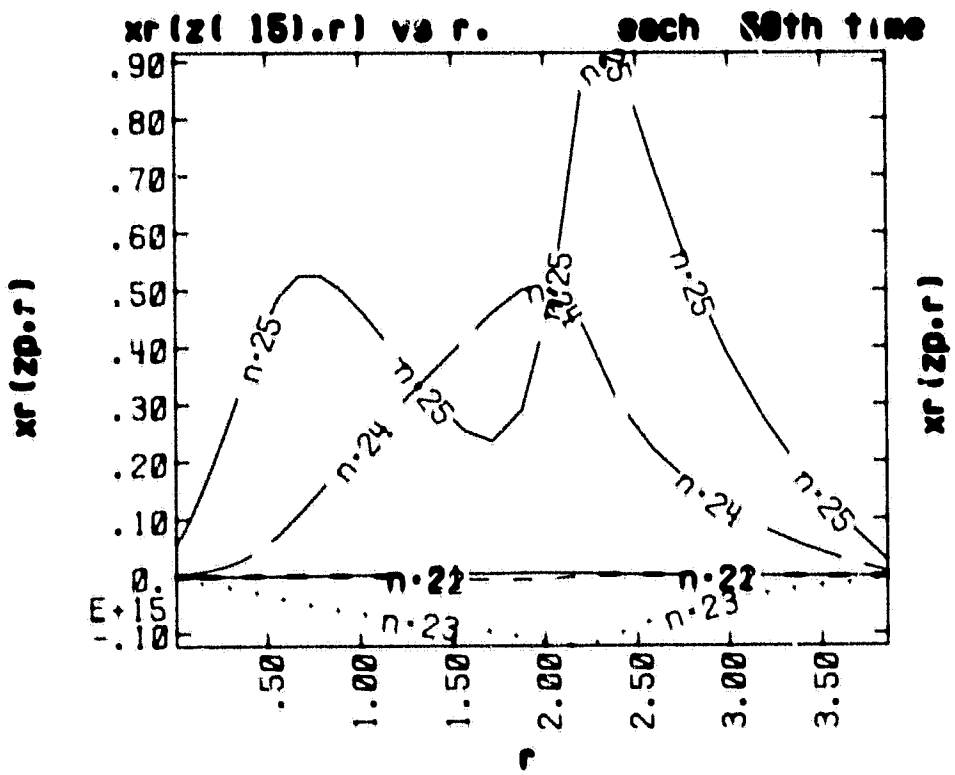

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
n·40
n·39
E+25
E+4

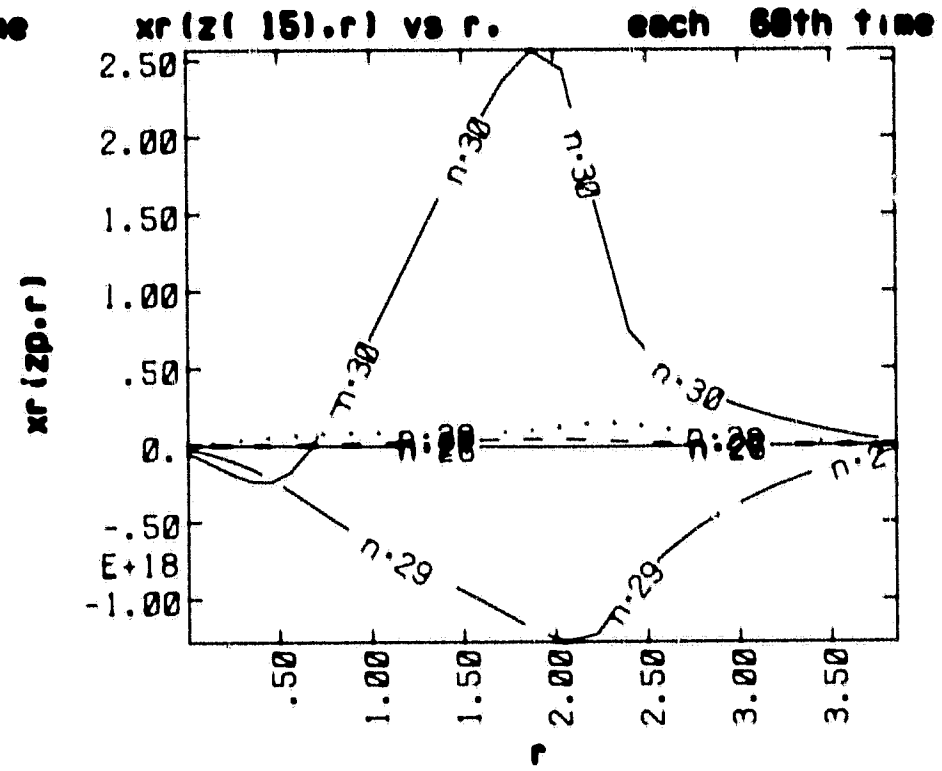

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n: 5
n: 4
n: 3

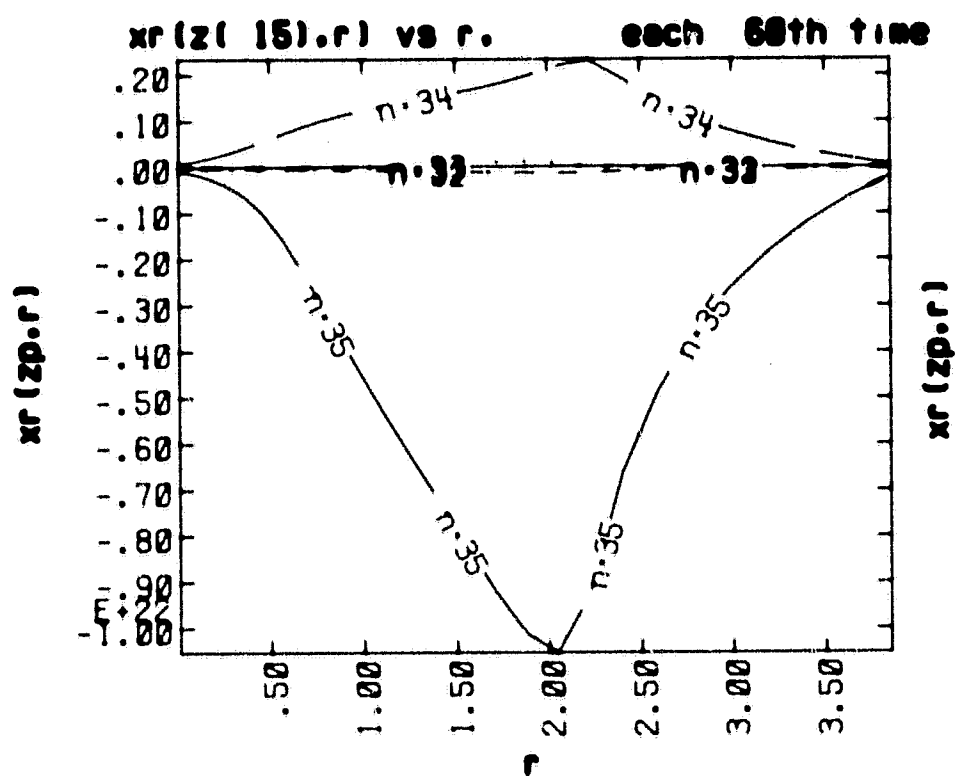

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n: 9
n: 10
n: 8

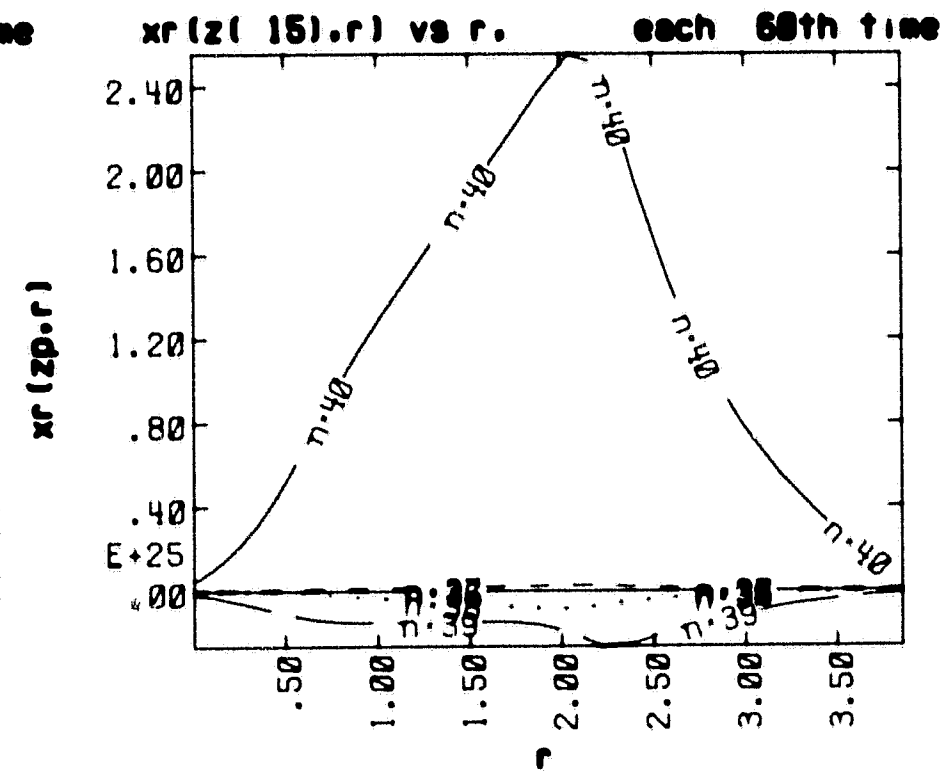

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n:15
n:14
n:12

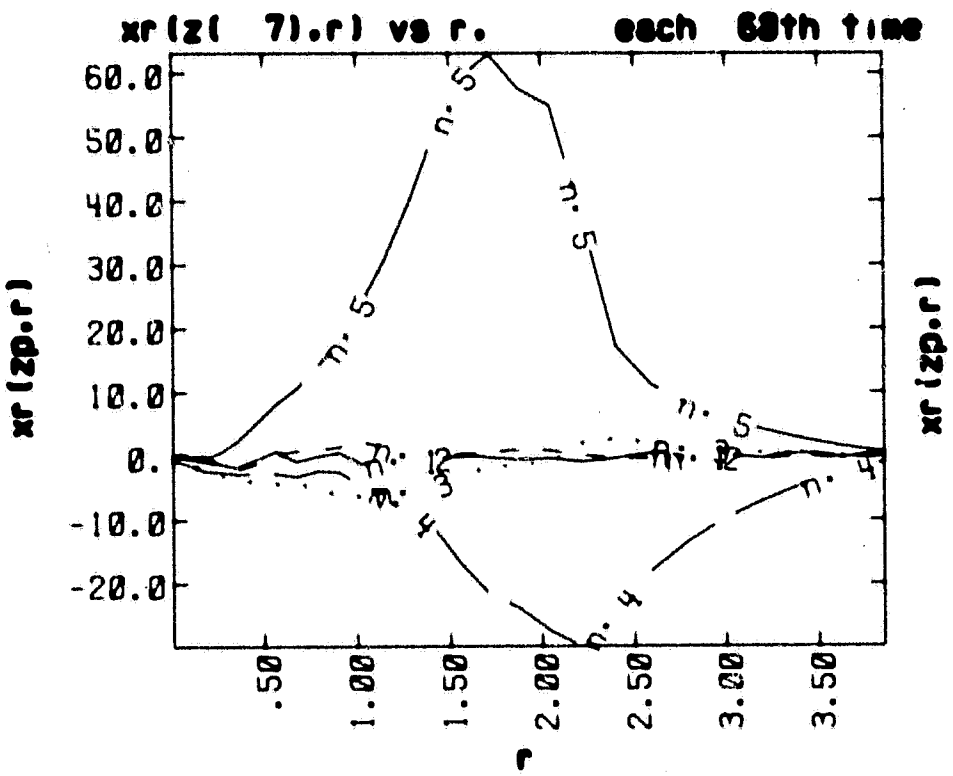

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n:20
n:19
n:18

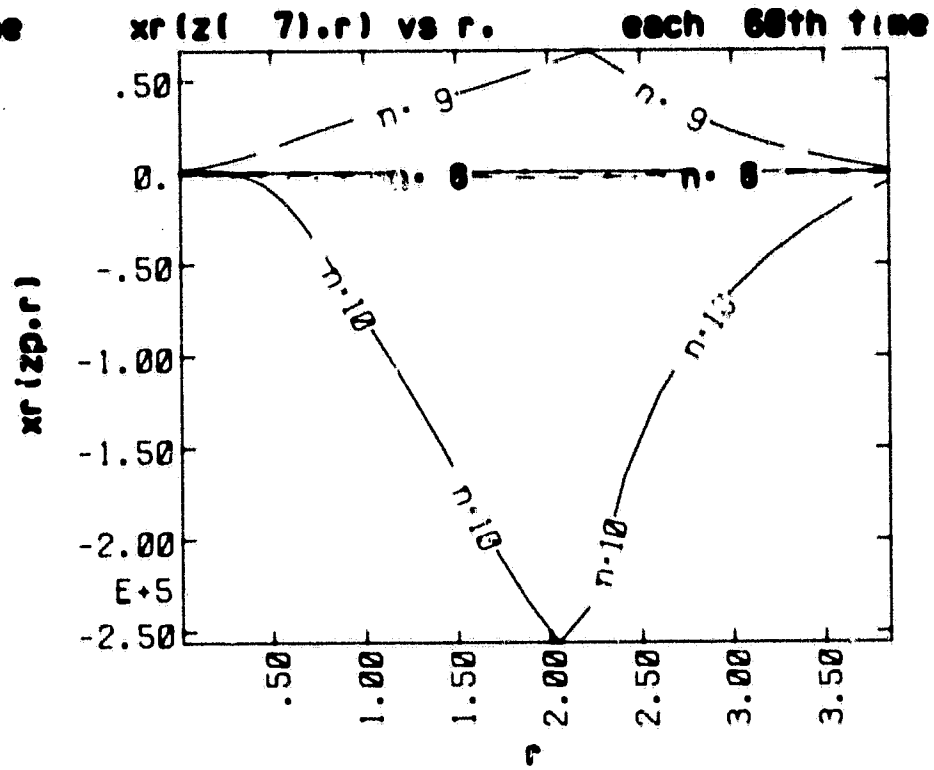

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n·25
n·24
n·23
n·22
E+15

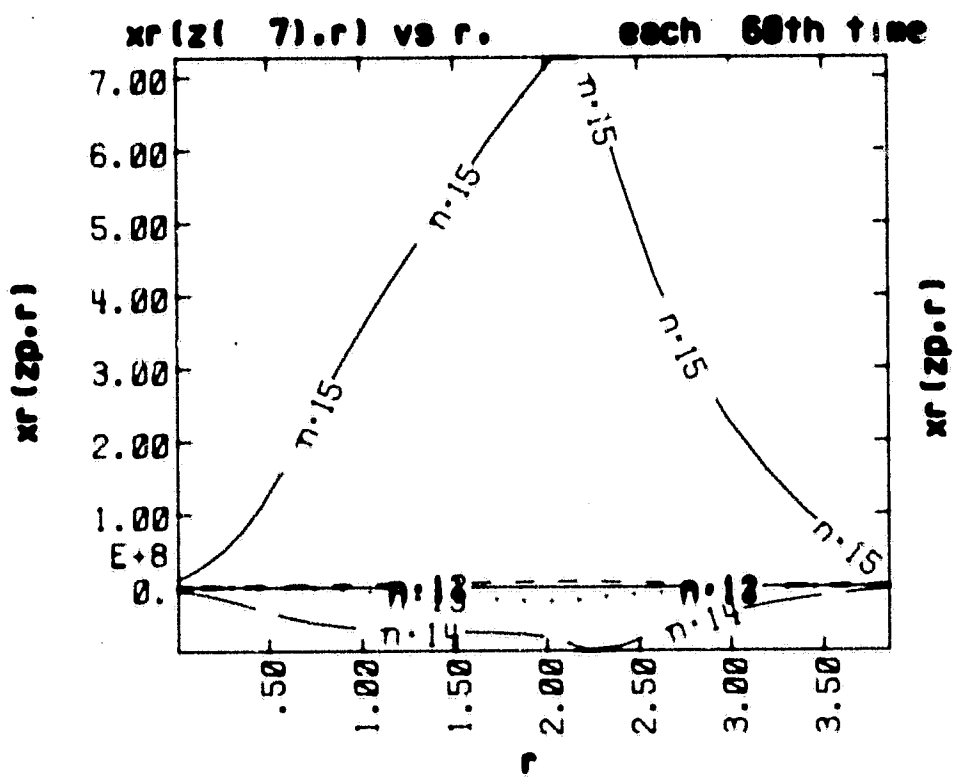

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n·30
n·29
n·28
E+18

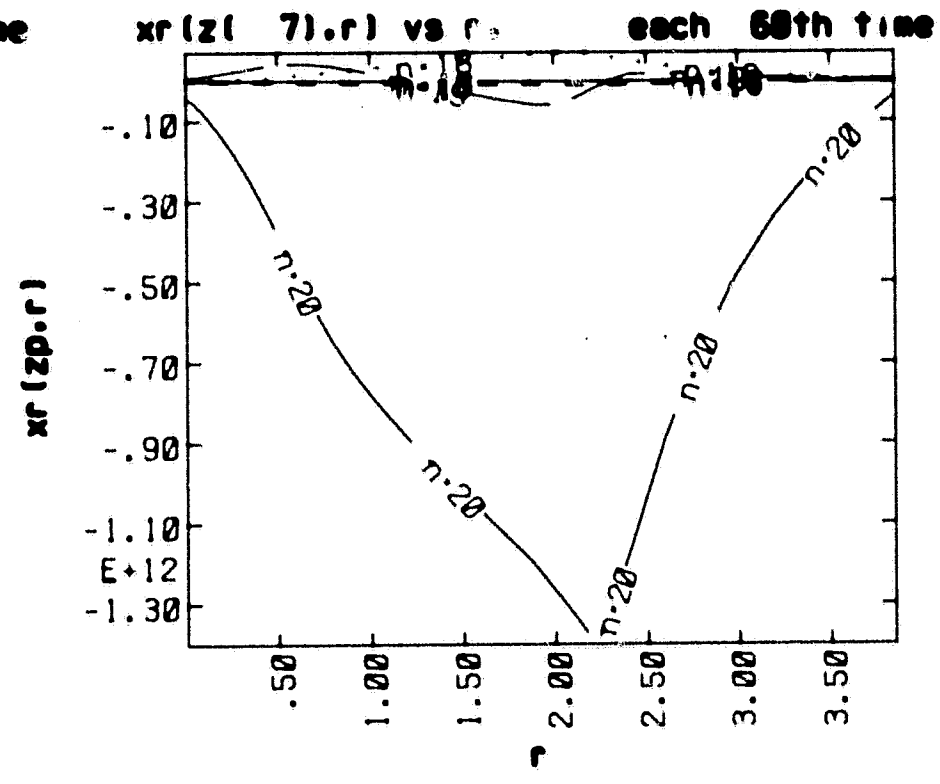

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n·34
n·35
n·32
E+22

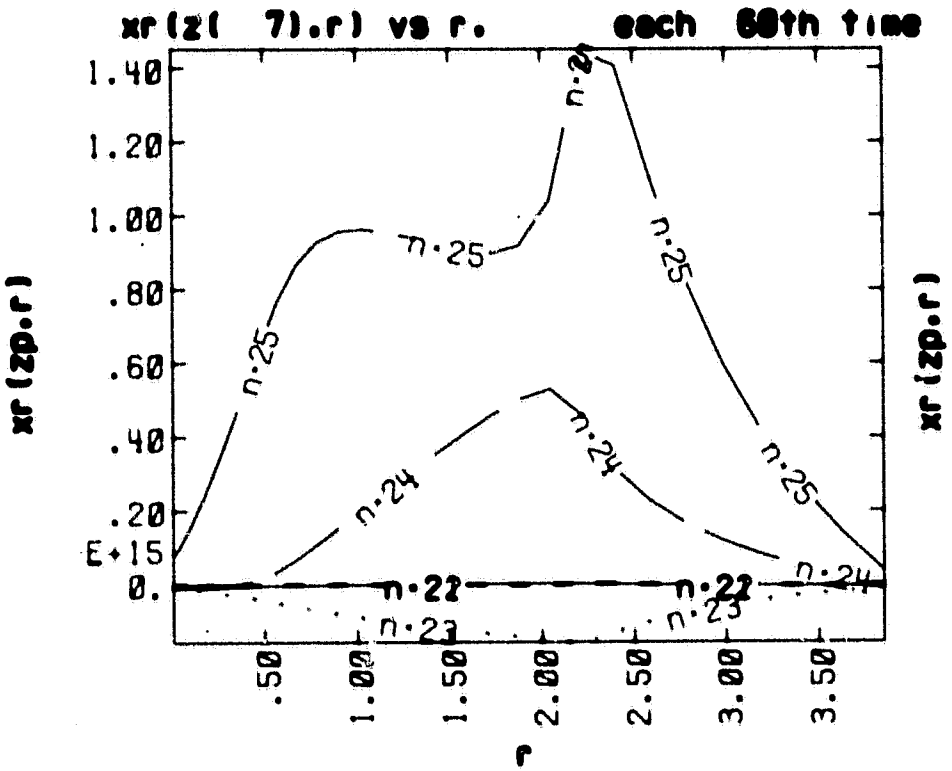

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n·40
n·39
E+25

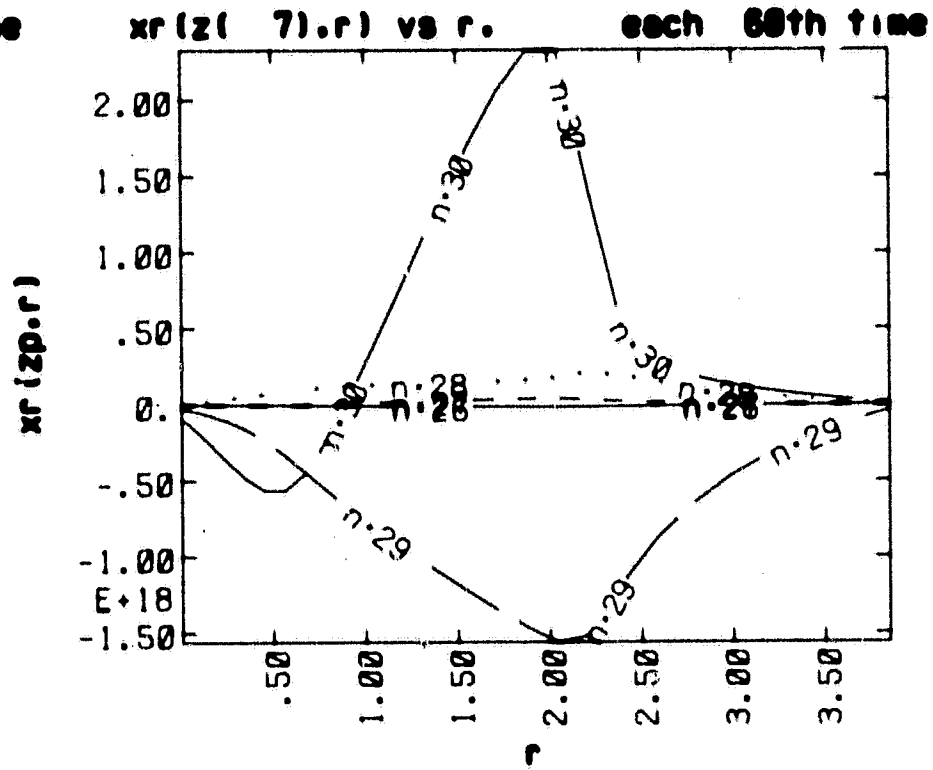

xr(zp,r)
r
.50
1.00
1.50
2.00
2.50
3.00
3.50
60.0
50.0
40.0
30.0
20.0
10.0
0.
-10.0
-20.0

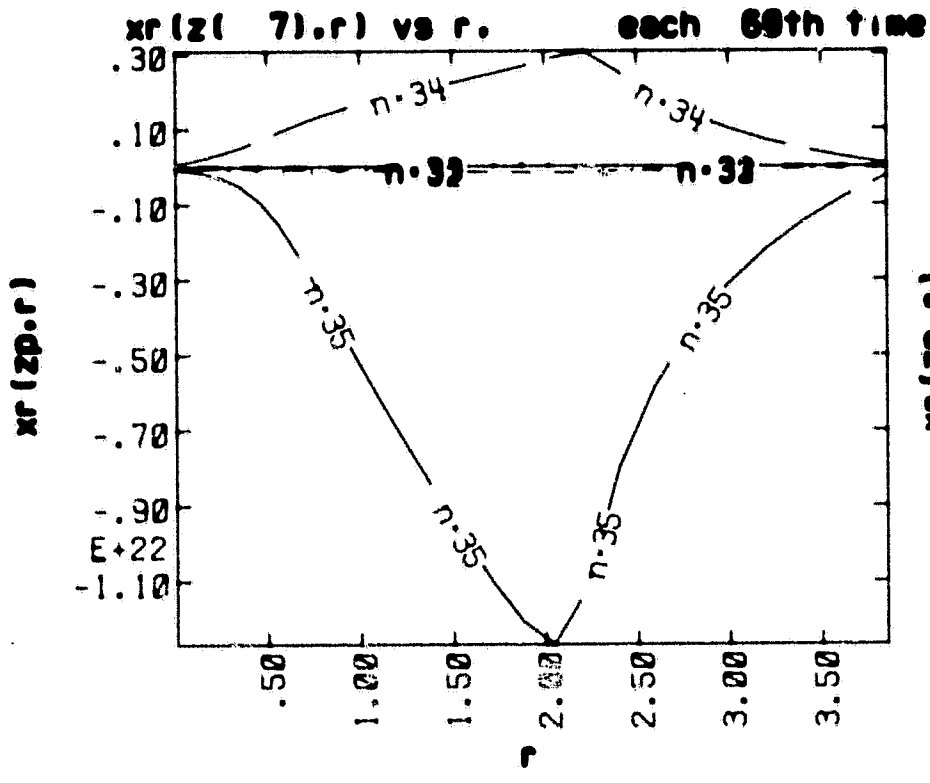

xr(zp,r)
r
.50
1.00
1.50
2.00
2.50
3.00
3.50
.50
0.
-.50
-1.00
-1.50
-2.00
E+5
-2.50

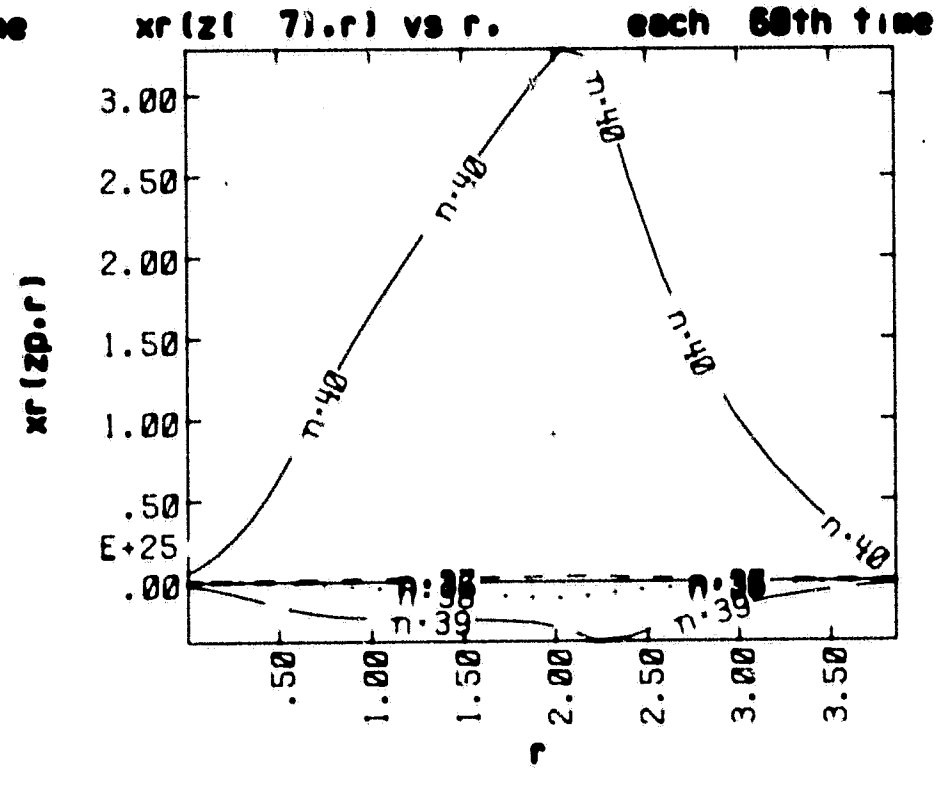

xr(zp,r)
r
.50
1.00
1.50
2.00
2.50
3.00
3.50
7.00
6.00
5.00
4.00
3.00
2.00
1.00
E+8
0.

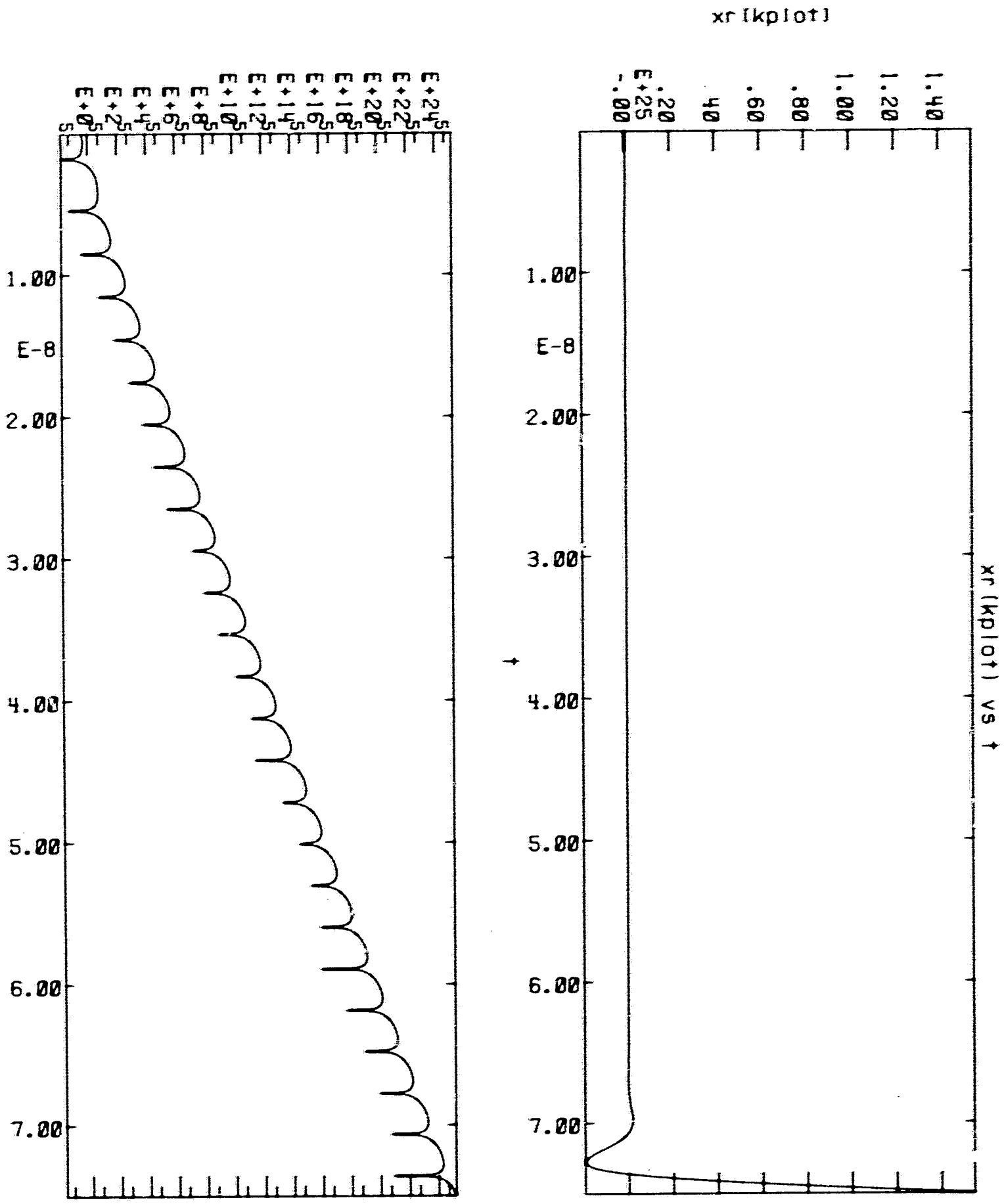

xr(zp,r)
r
.50
1.00
1.50
2.00
2.50
3.00
3.50
-.10
-.30
-.50
-.70
-.90
-1.10
E+12
-1.30


xr(zp,r)
xr(z(7),r) vs r. each 60th time
1.40
1.20
1.00
.80
.60
.40
.20
E+15
0.
n·25
n·24
n·22
n·23
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


xr(zp,r)
xr(z(7),r) vs r. each 60th time
2.00
1.50
1.00
.50
0.
-.50
-1.00
E+18
-1.50
n·30
n·28
n·29
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


xr(zp,r)
xr(z(7),r) vs r. each 60th time
.30
.10
-.10
-.30
-.50
-.70
-.90
E+22
-1.10
n·34
n·32
n·35
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


xr(zp,r)
xr(z(7),r) vs r. each 60th time
3.00
2.50
2.00
1.50
1.00
.50
E+25
.00
n·40
n·39
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


xr [kplot]
E+0
E+25
E+45
E+65
E+85
E+10
E+12
E+14
E+16
E+18
E+20
E+22
E+24
1.00
E-8
2.00
3.00
4.00
5.00
6.00
7.00
.00
.20
.40
.60
.80
1.00
1.20
1.40
xr (kplot) vs +

box u21$

graflib:gcs02042kcs02042
16 frames

11:04:0409/22/82 c