box u21$

graflib:gcs02042kcs02042

11:04:0409/22/82 c

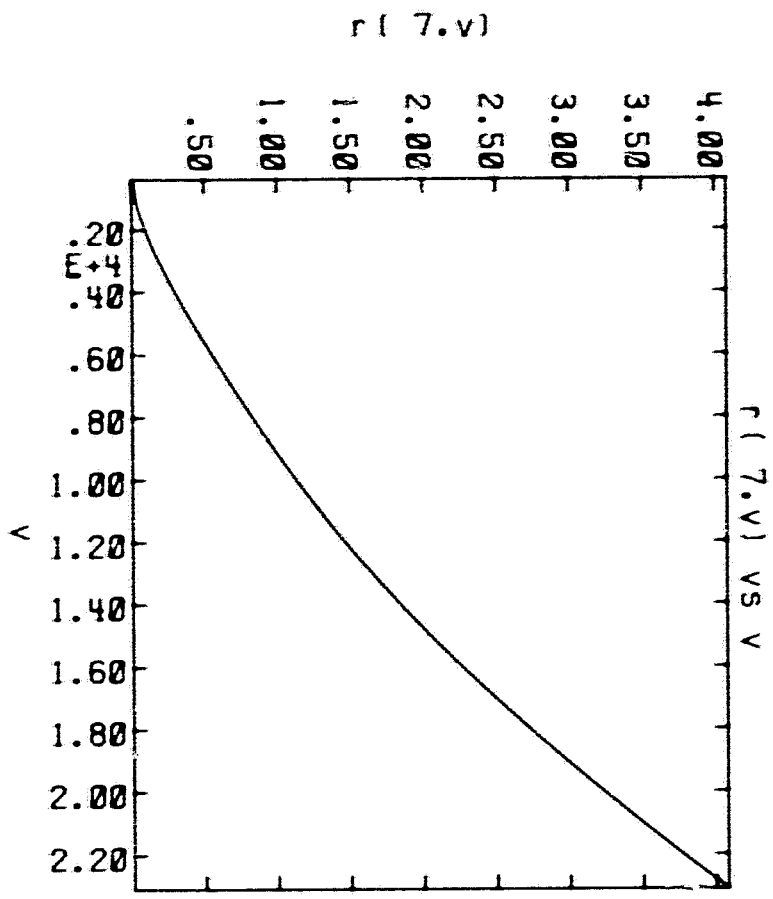
```
box u21$

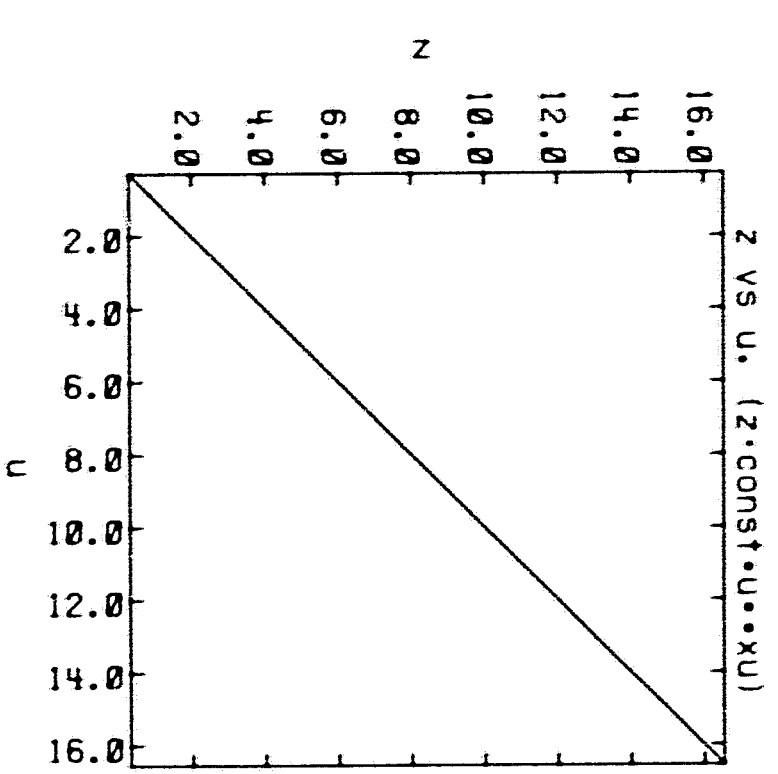
graflib:gcs02042kcs02042

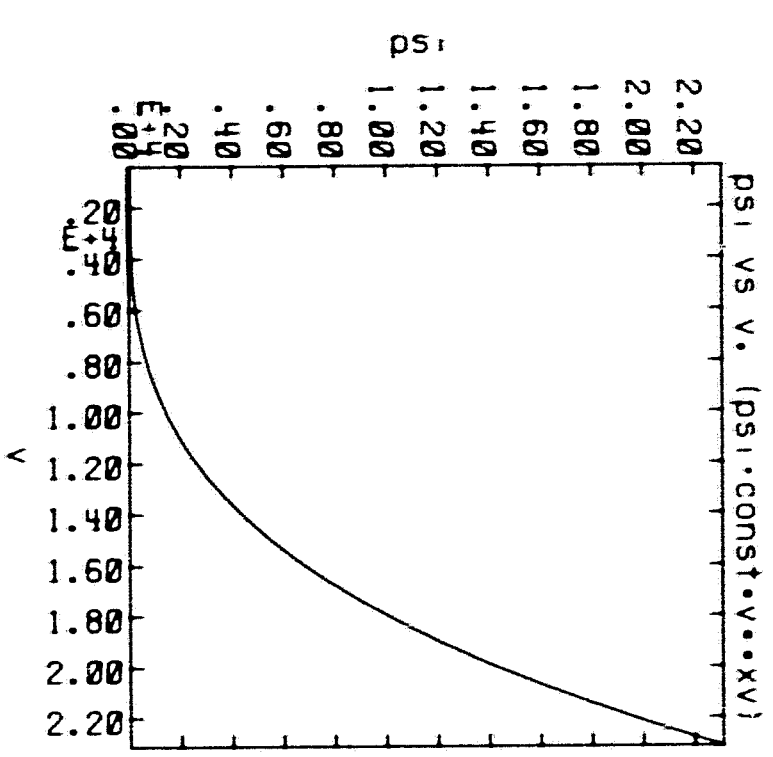
11:04:0409/22/82 c
```

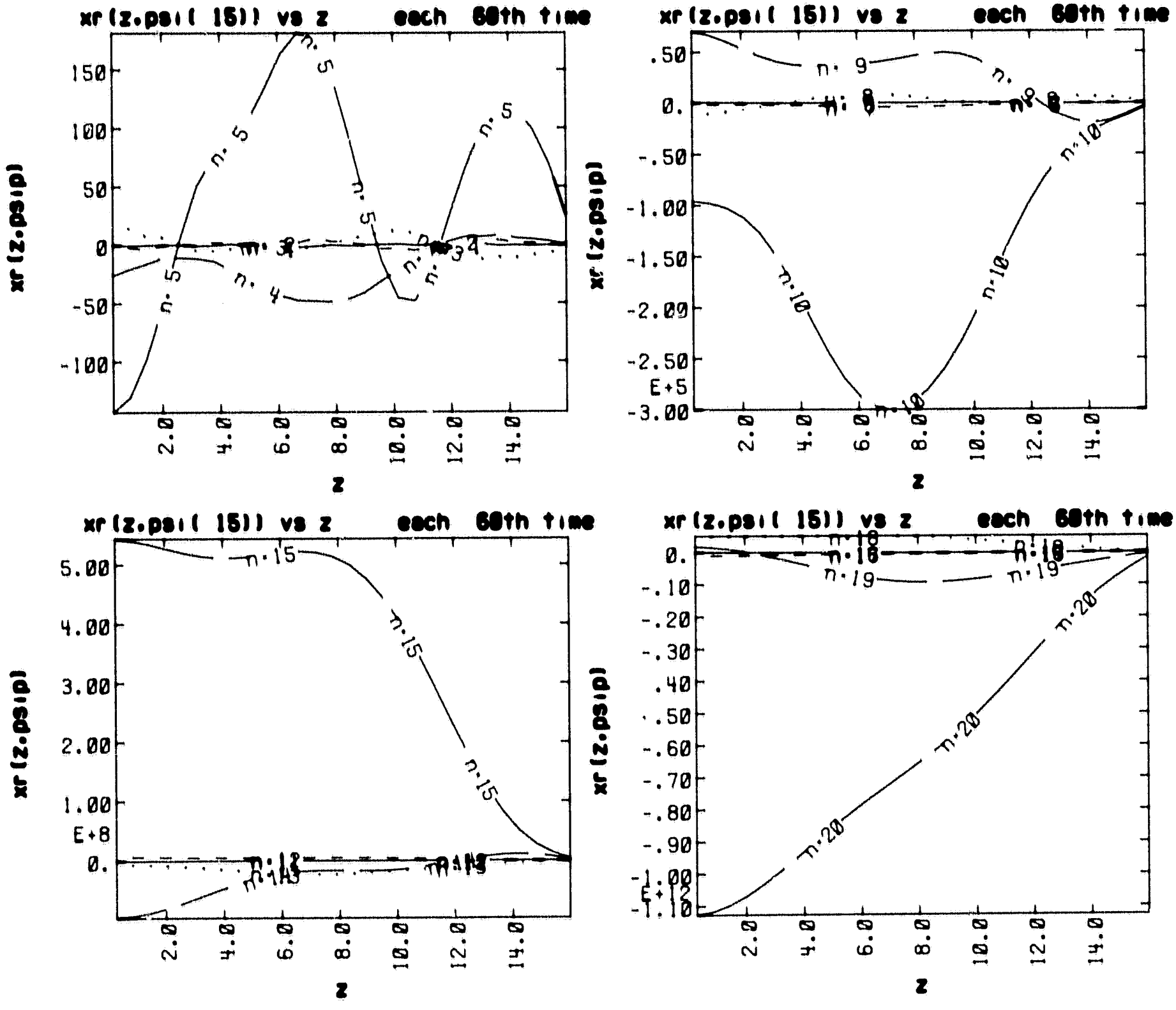
this problem run by xflcll

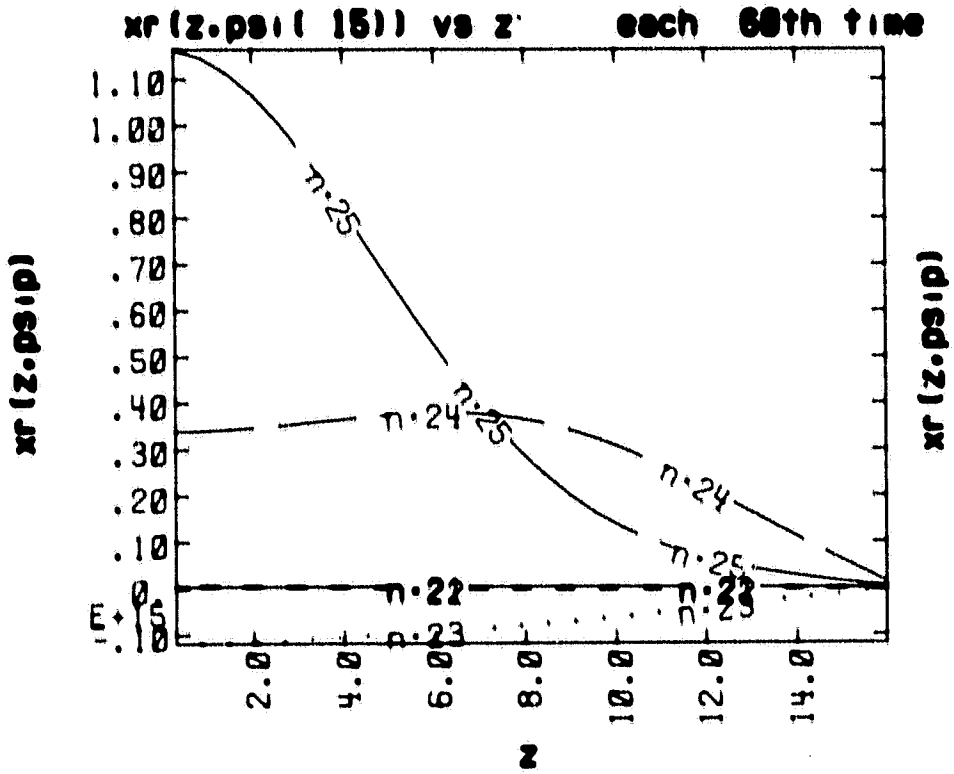
```
dt·     3.125000e-11
ix·       30
jx·       30
total time steps ·     2400
no. of iterations ·        4
bias·    0.01000
ratrod·    -2.000000e+00
drift freq. (omegst) ·  7.46038832e+08
rotation freq. (omegr) · -1.49207766e+09
e x b freq. (omegexb) · -7.46038832e+08
flr·  1.00000000e+00
sf6·  1.00000000e+00
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
```

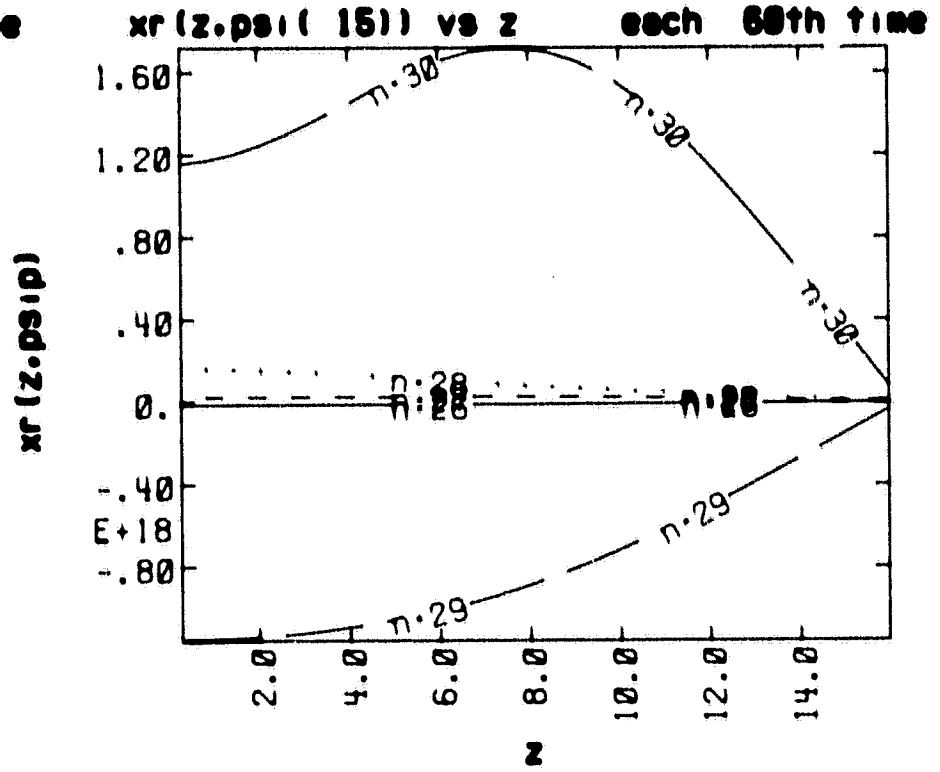

r(7,v)
.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
v
r(7,v) vs v

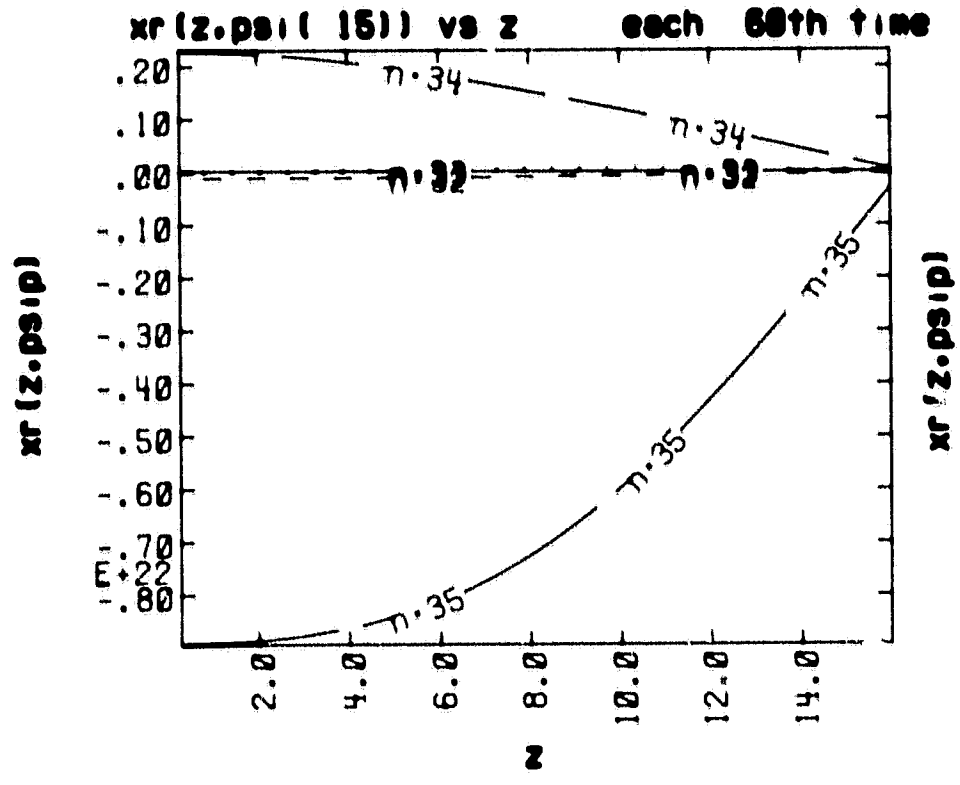

z
2.0
4.0
6.0
8.0
10.0
12.0
14.0
16.0
u
z vs u. (z·const•u••xu)

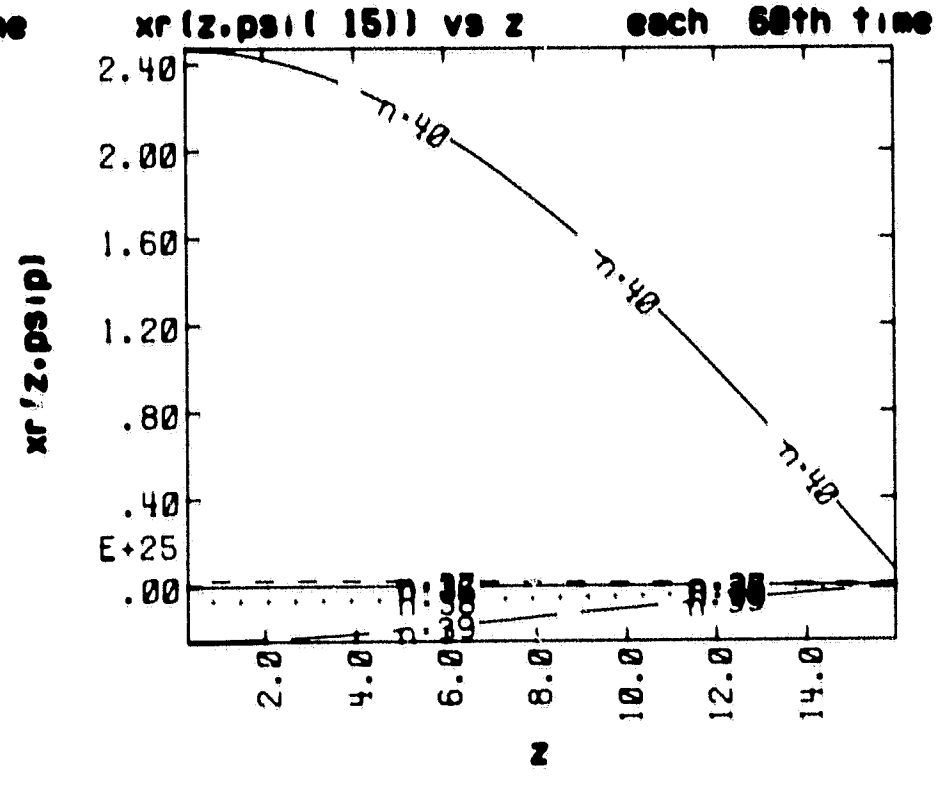

psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
v
psi vs v. (psi·const•v••xv)

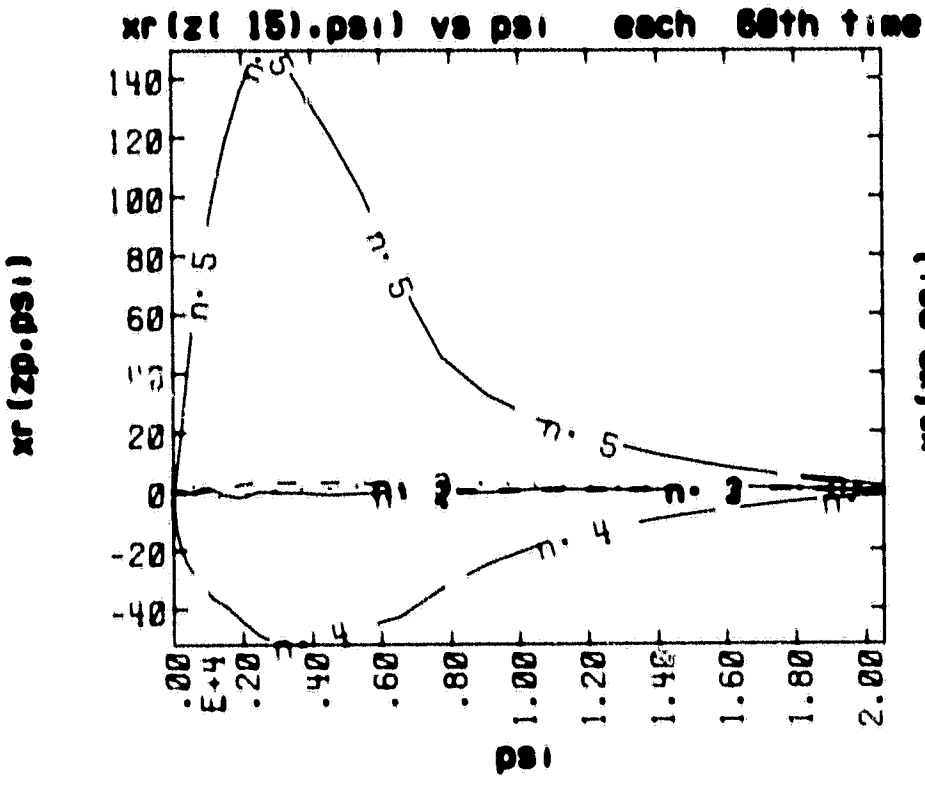

xr(z.psi(15)) vs z each 60th time
xr(z.psip)
z
n=5
n=4
n=3
n=9
n=10
n=15
n=12
n=13
n=18
n=19
n=20
E+5
E+8
E+12

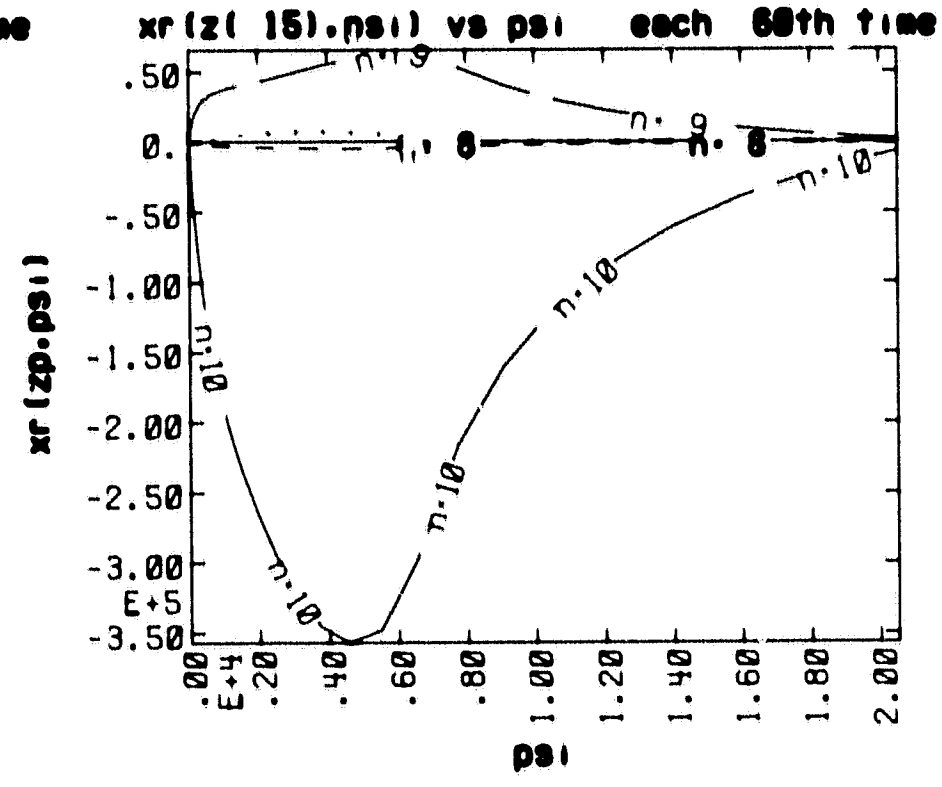

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
1.10
1.00
.90
.80
.70
.60
.50
.40
.30
.20
.10
0.
-.10
E+15
n·25
n·24
n·22
n·23
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

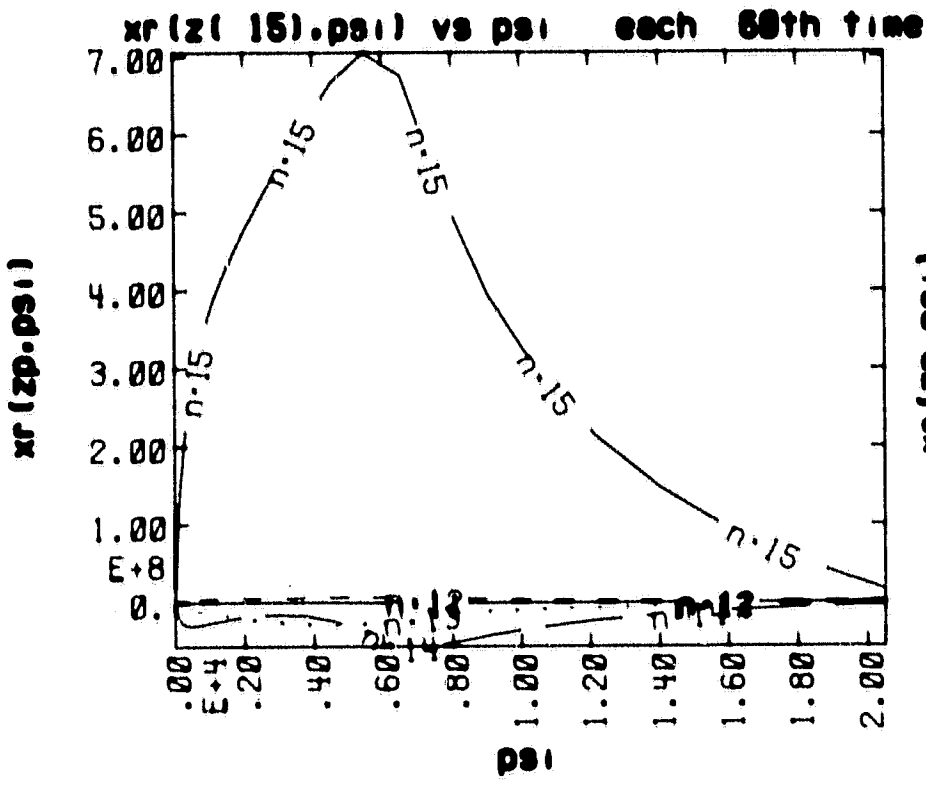

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
1.60
1.20
.80
.40
0.
-.40
E+18
-.80
n·30
n·29
n·28
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

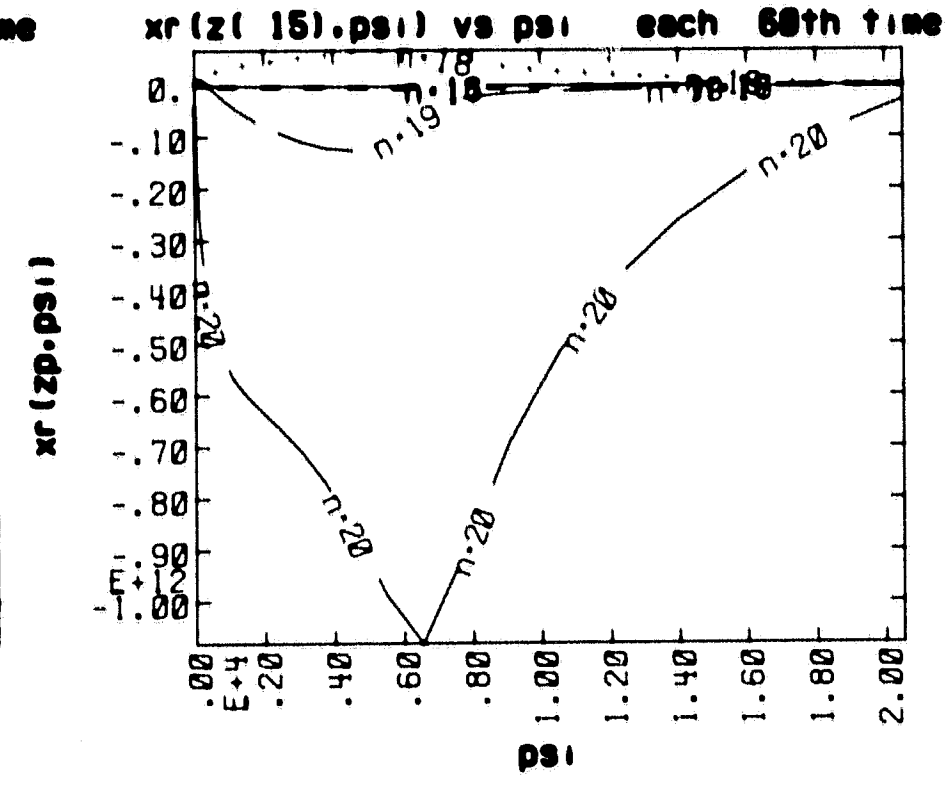

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
.20
.10
.00
-.10
-.20
-.30
-.40
-.50
-.60
-.70
-.80
E+22
n·34
n·32
n·35
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

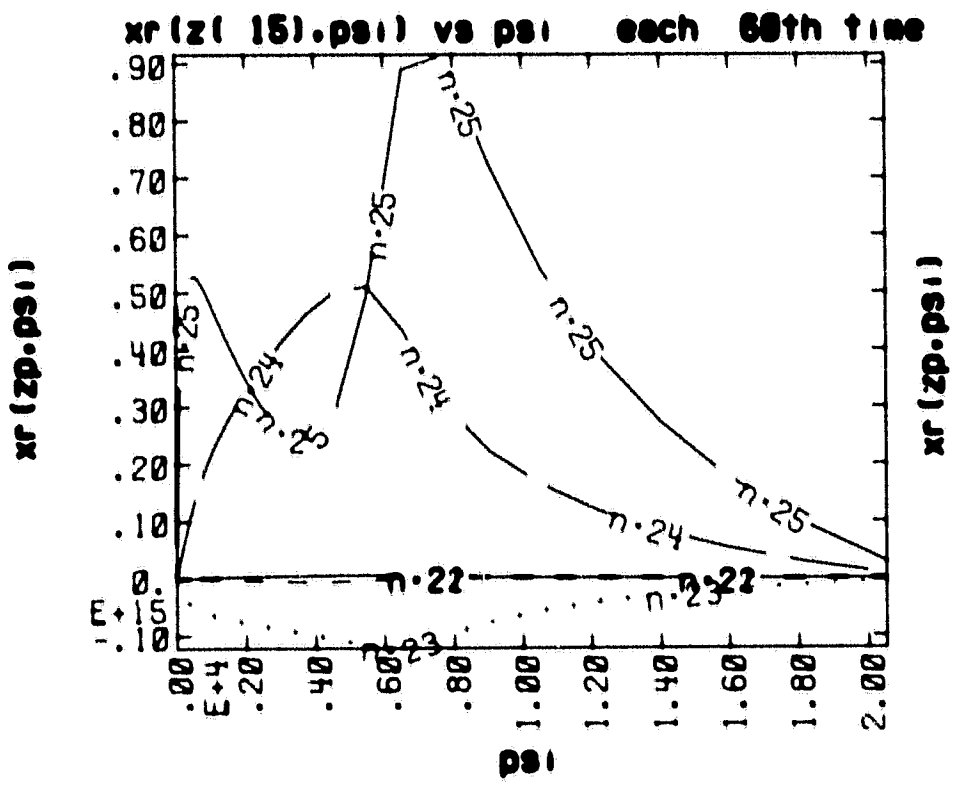

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
2.40
2.00
1.60
1.20
.80
.40
E+25
.00
n·40
n·38
n·39
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

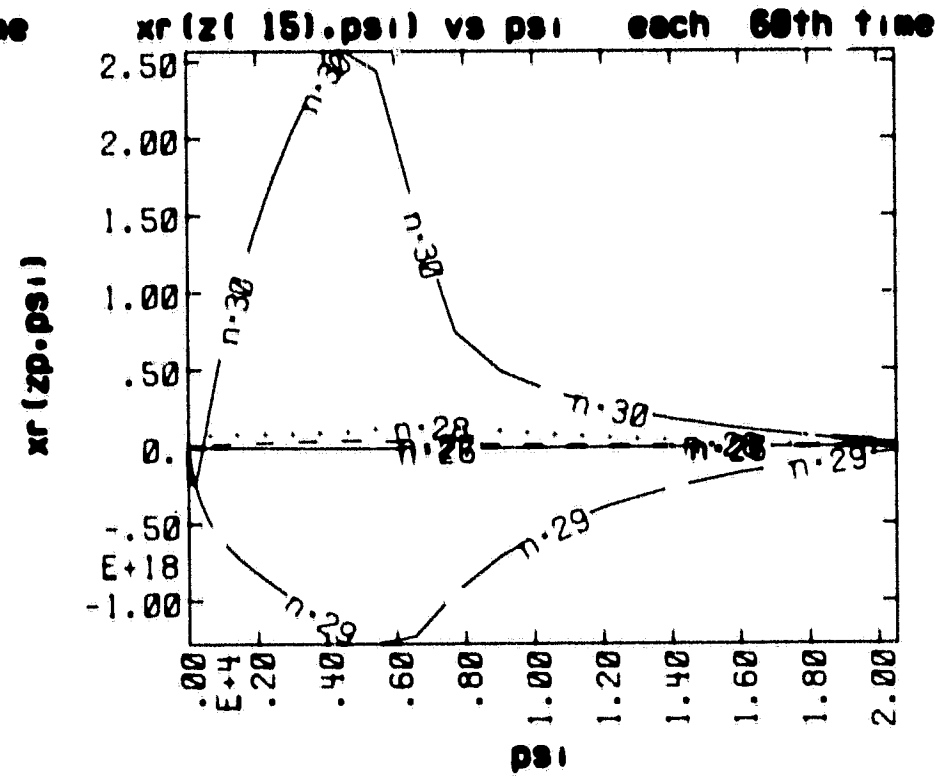

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
n·5
n·4
n·3
n·2
E+4

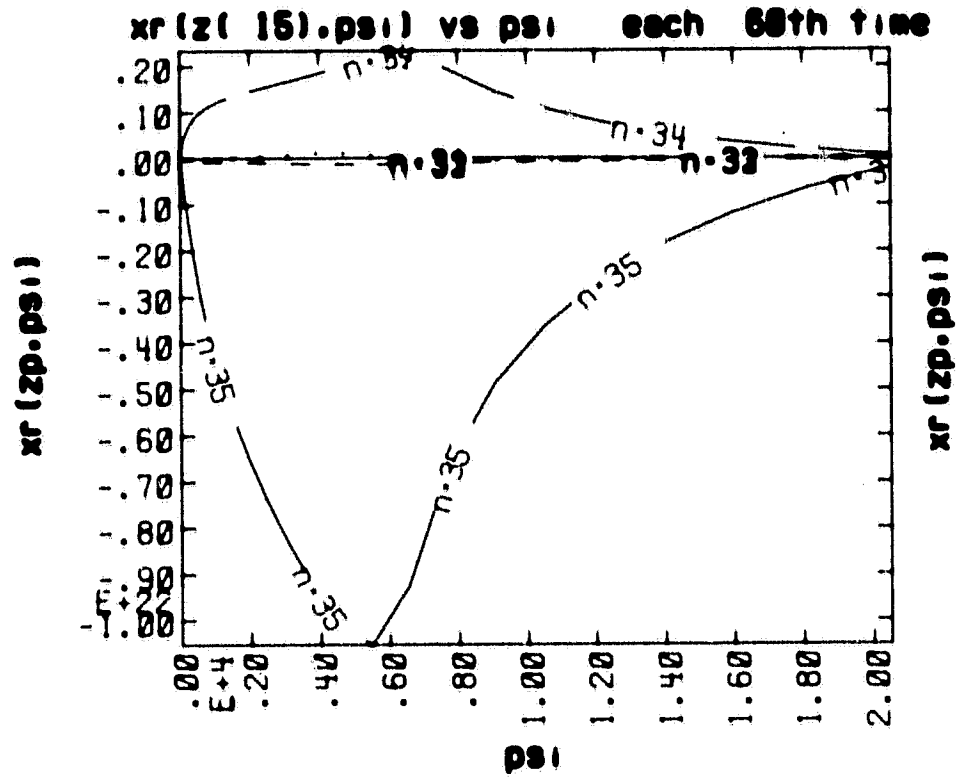

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
n·9
n·8
n·10
E+5
E+4

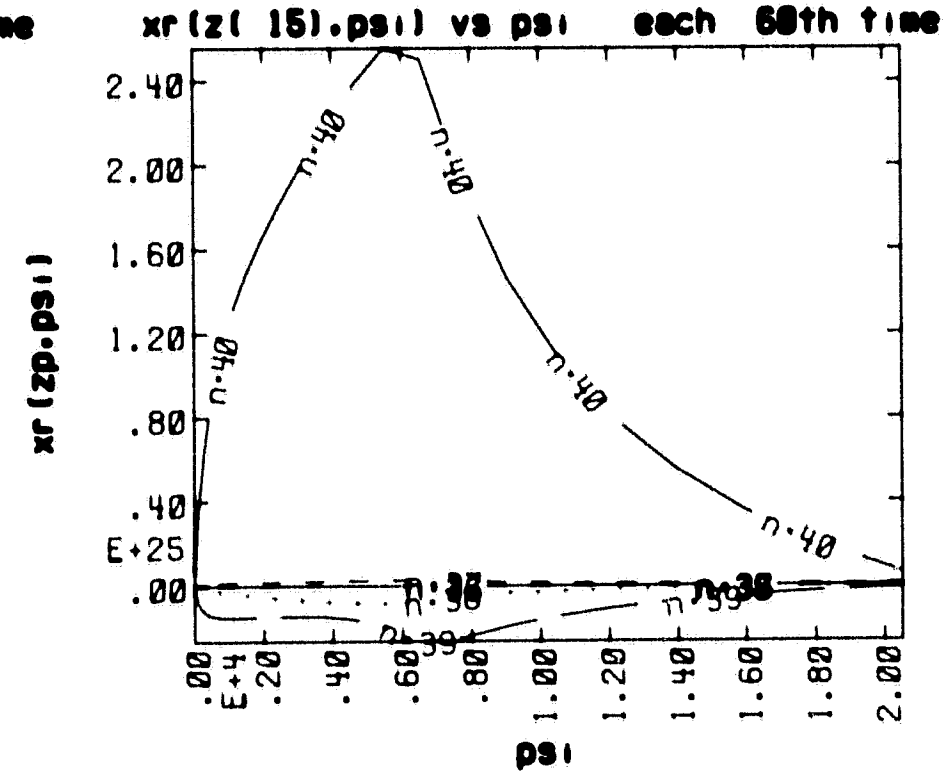

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
n·15
n·13
n·14
E+8
E+4

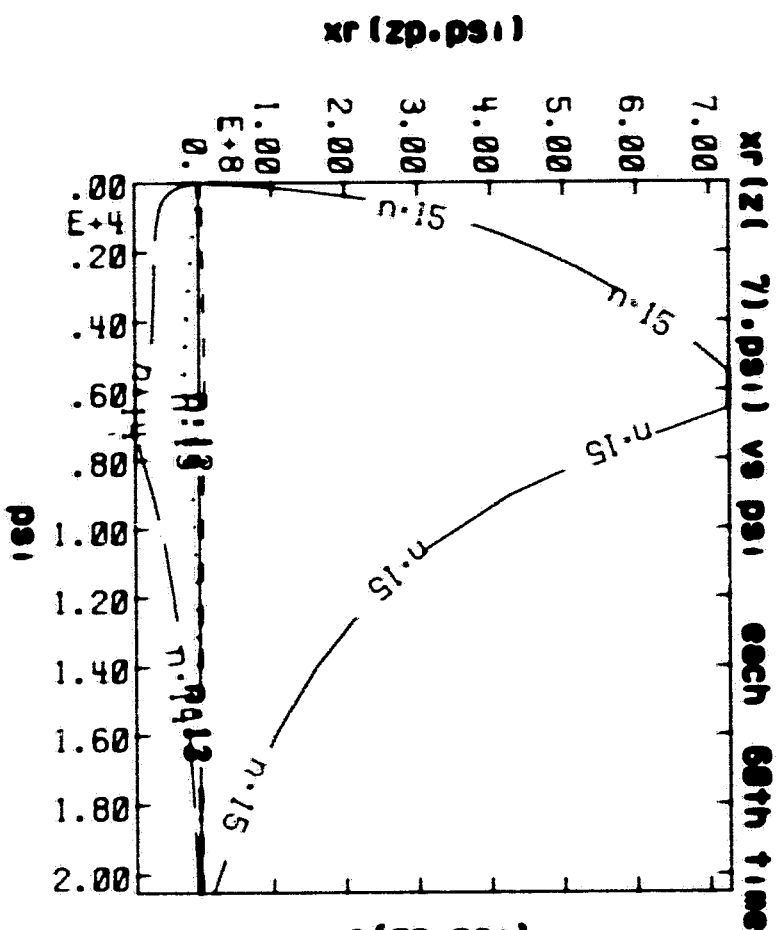

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
n·18
n·19
n·20
E+12
E+4

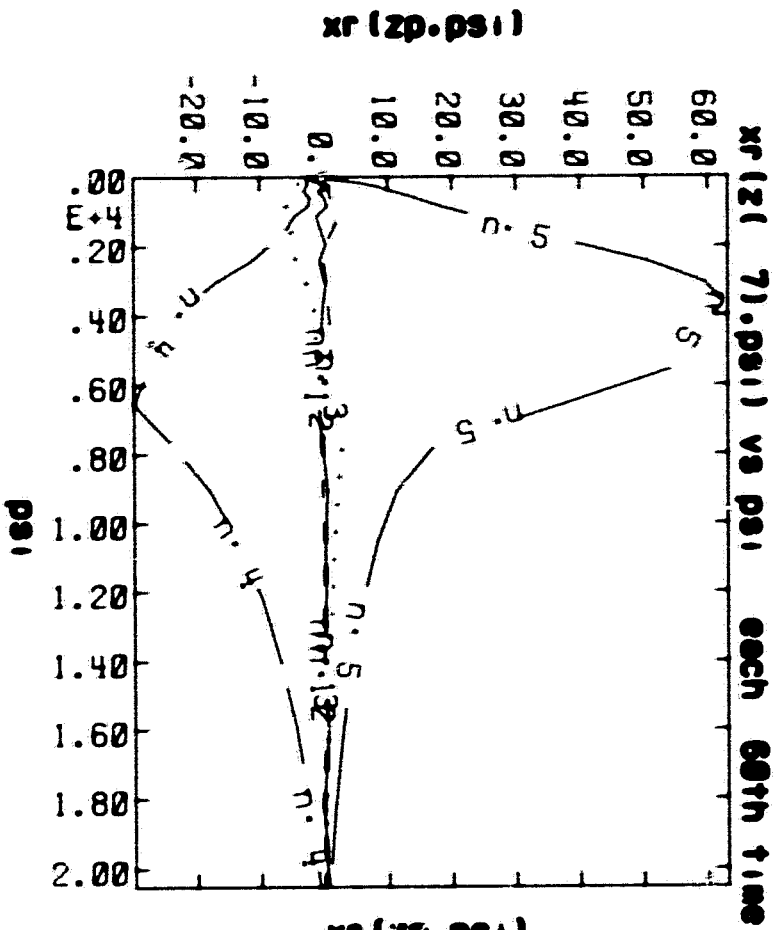

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
E+15
E+4
n·22
n·23
n·24
n·25

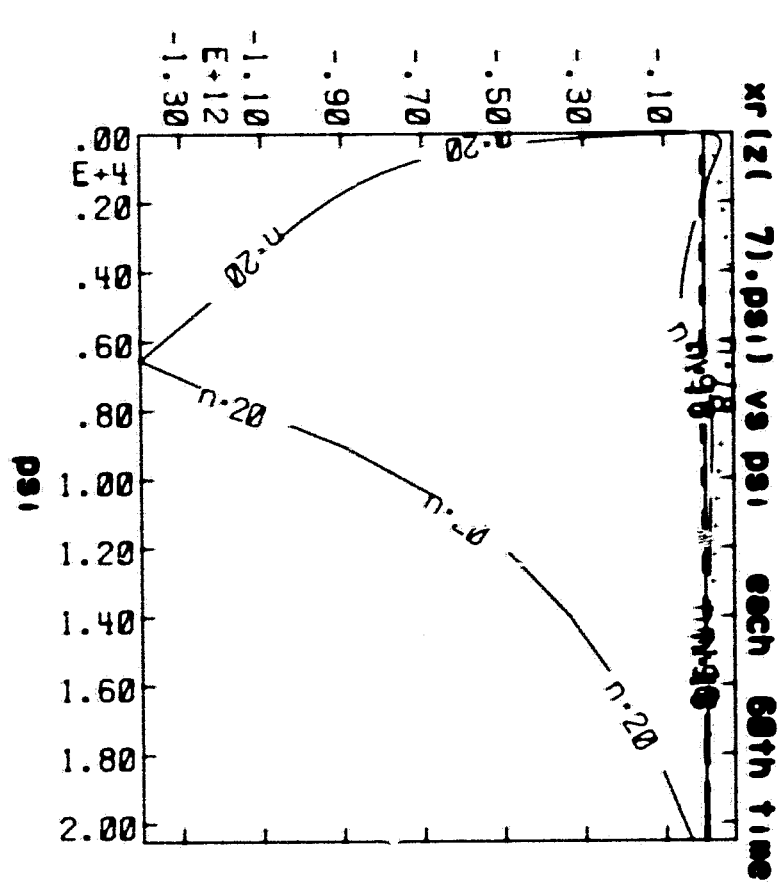

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
E+18
E+4
n·28
n·29
n·30

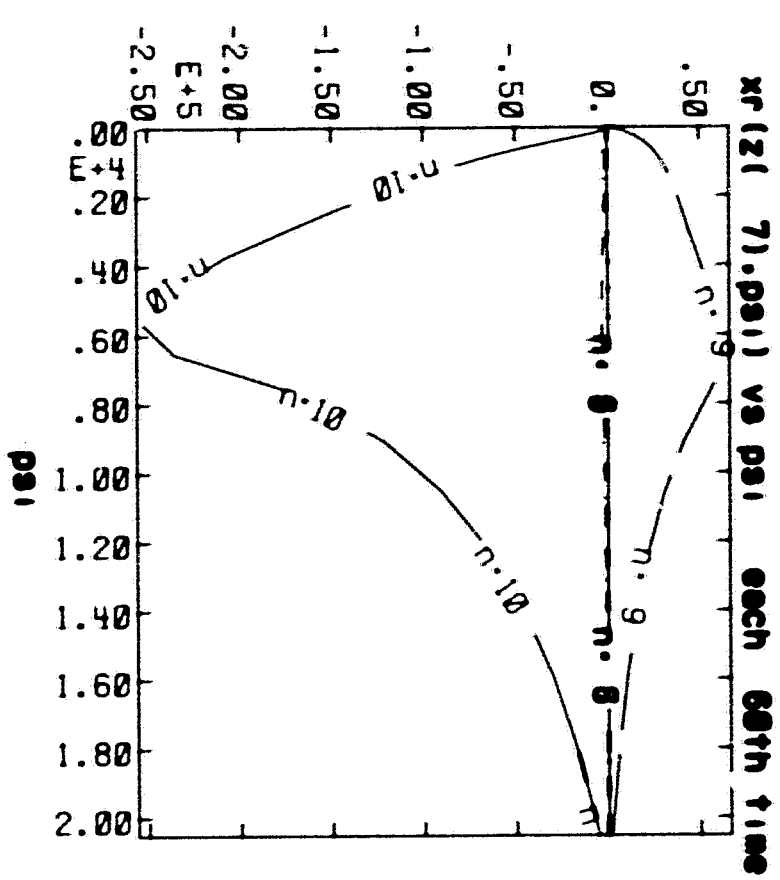

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
E+22
E+4
n·32
n·34
n·35

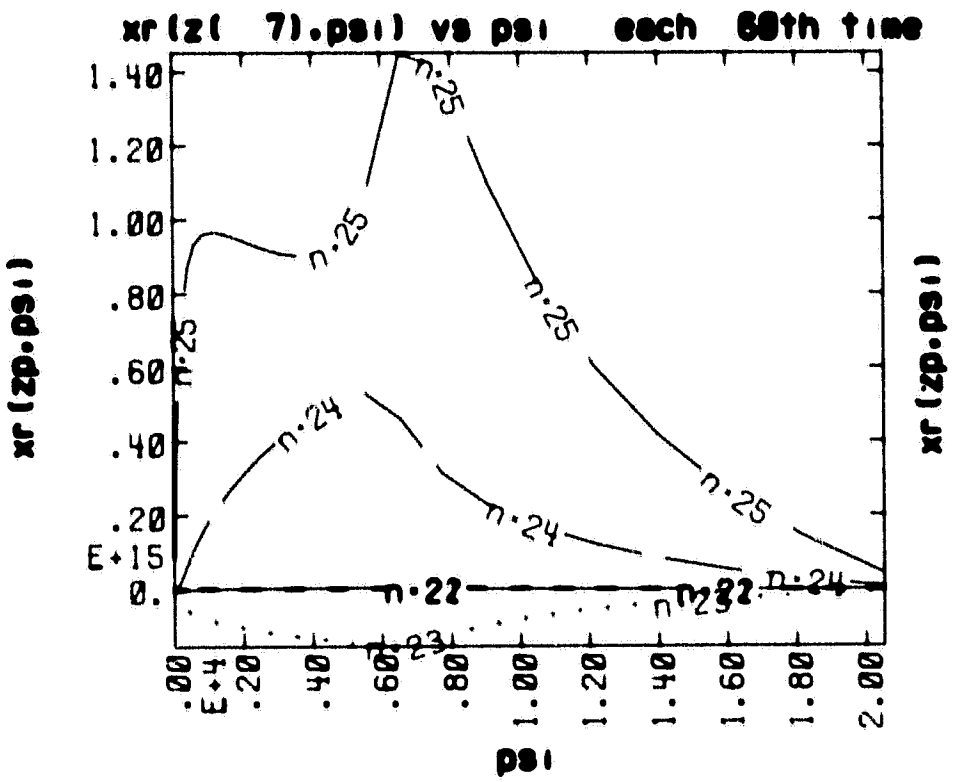

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
E+25
E+4
n·40

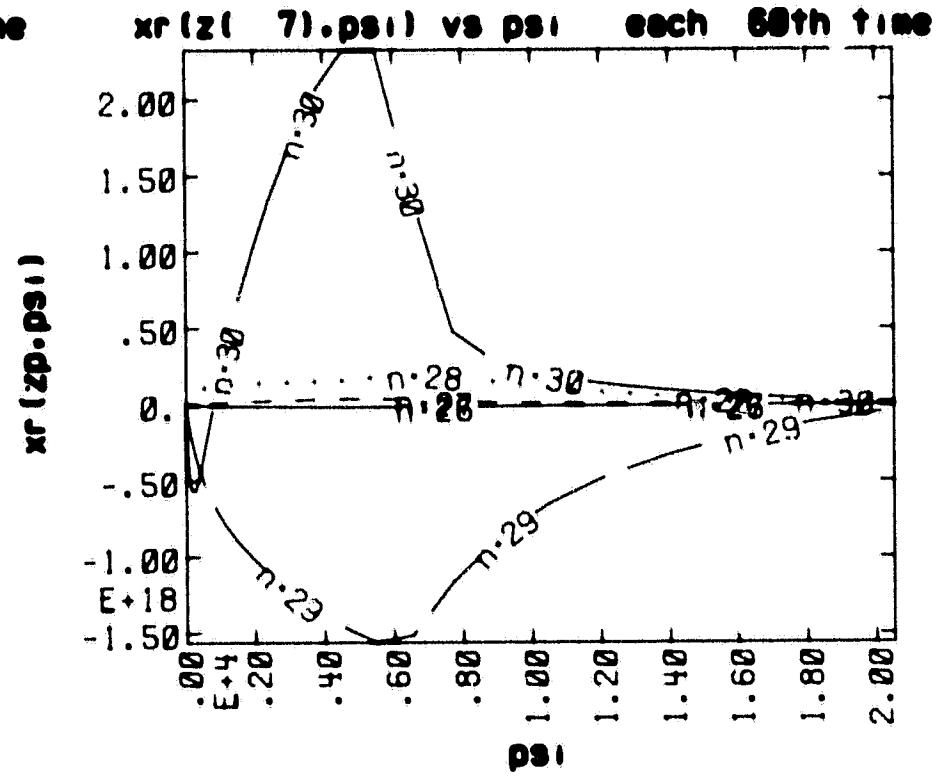

xr (zp.psi)
xr (zi 71.psi) vs psi each 60th time
psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
0.
1.00
E+8
2.00
3.00
4.00
5.00
6.00
7.00
n.15
n.15
n.15
n.15
n.15

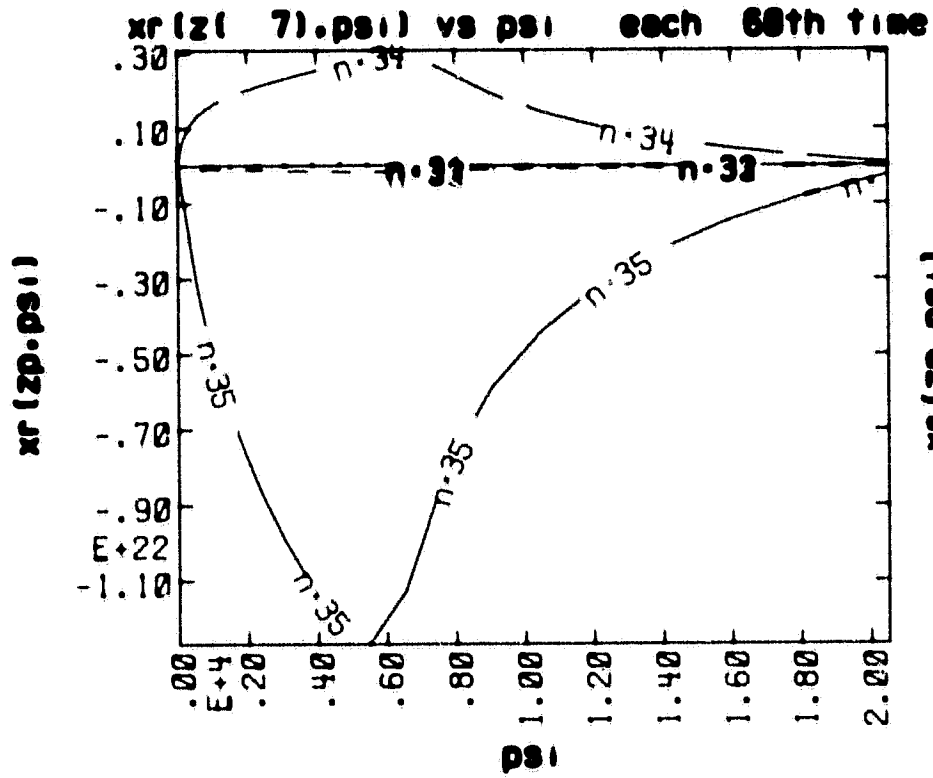

xr (zp.psi)
xr (zi 71.psi) vs psi each 60th time
psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
-20.0
-10.0
0.
10.0
20.0
30.0
40.0
50.0
60.0
n. 5
n. 5
n. 5
n. 5
n. 5

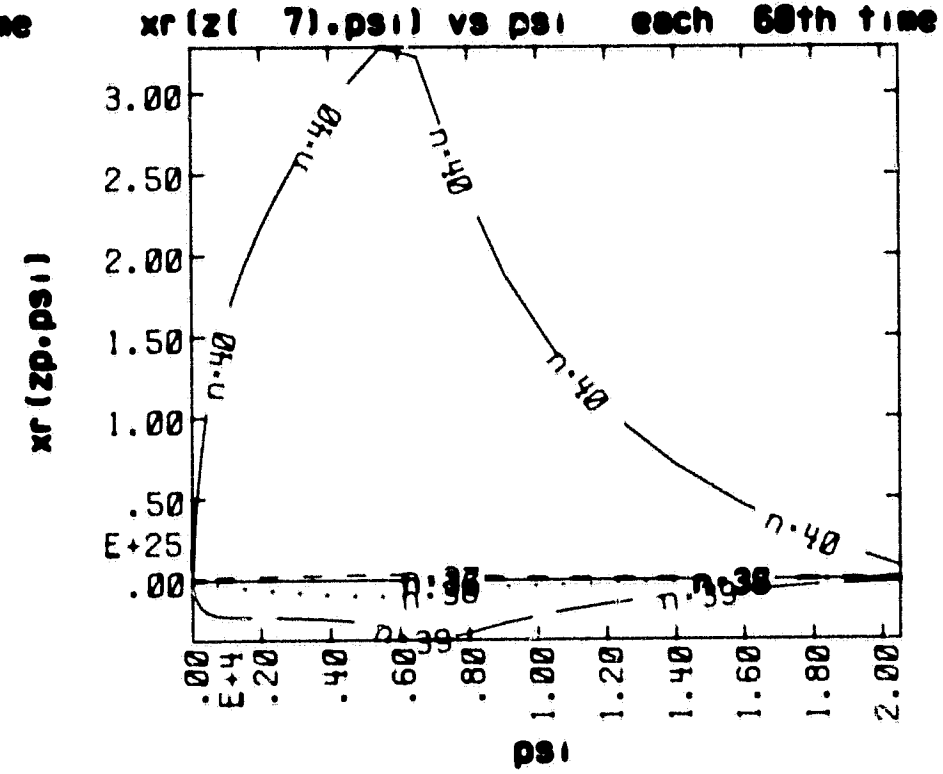

xr (zp.psi)
xr (zi 71.psi) vs psi each 60th time
psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
-1.30
-1.10
E+12
-.90
-.70
-.50
-.30
-.10
n.20
n.20
n.20
n.20

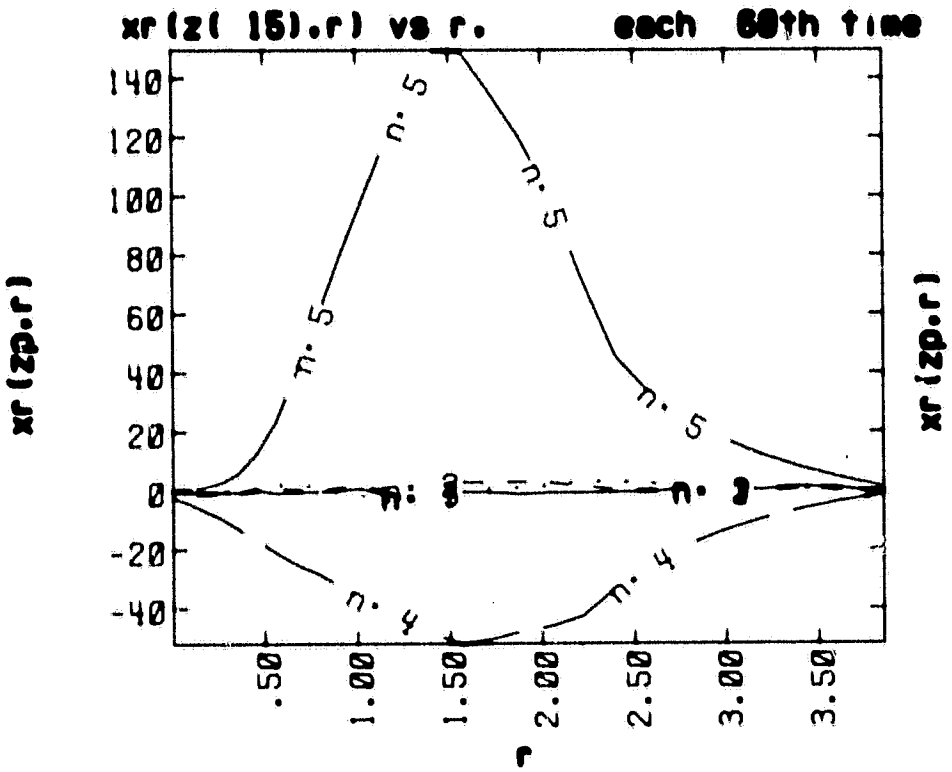

xr (zp.psi)
xr (zi 71.psi) vs psi each 60th time
psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
-2.50
E+5
-2.00
-1.50
-1.00
-.50
.50
n.10
n.10
n.10
n. 9
n. 9

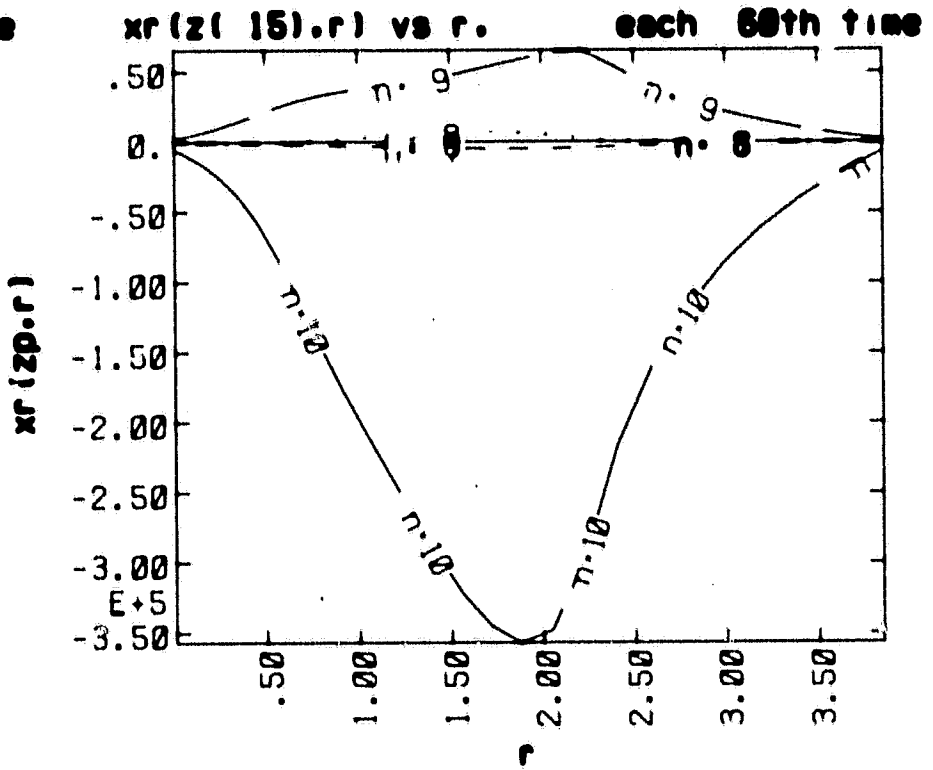

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
E+15
E+4
n·22
n·23
n·24
n·25

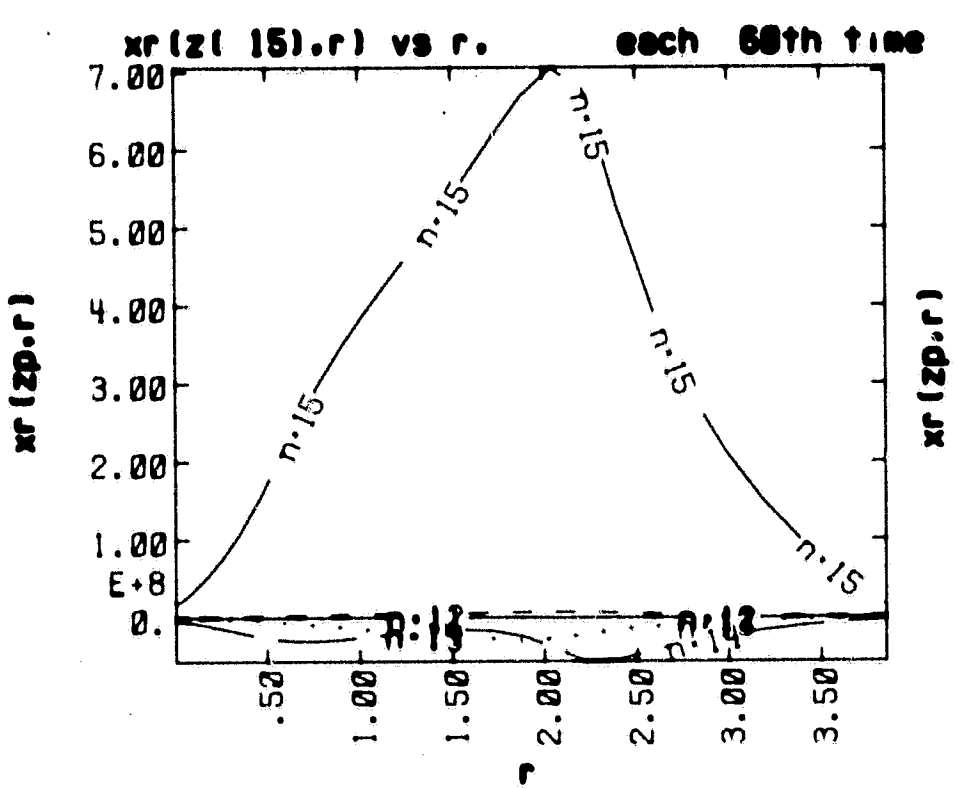

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
E+18
E+4
n·23
n·28
n·29
n·30

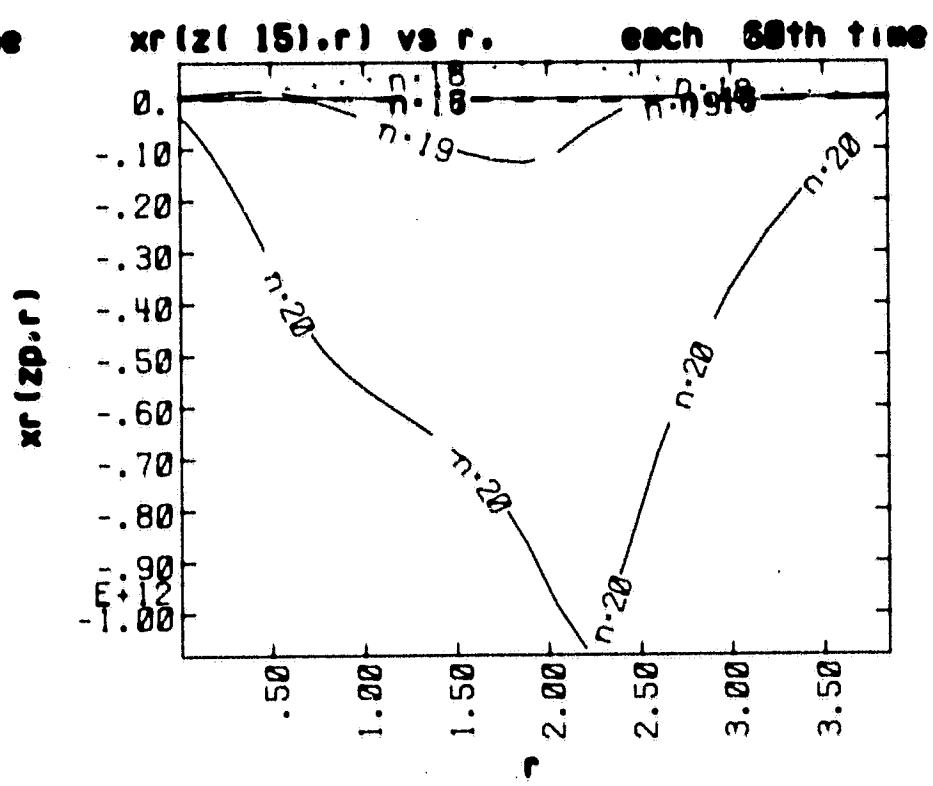

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
E+22
E+4
n·32
n·34
n·35

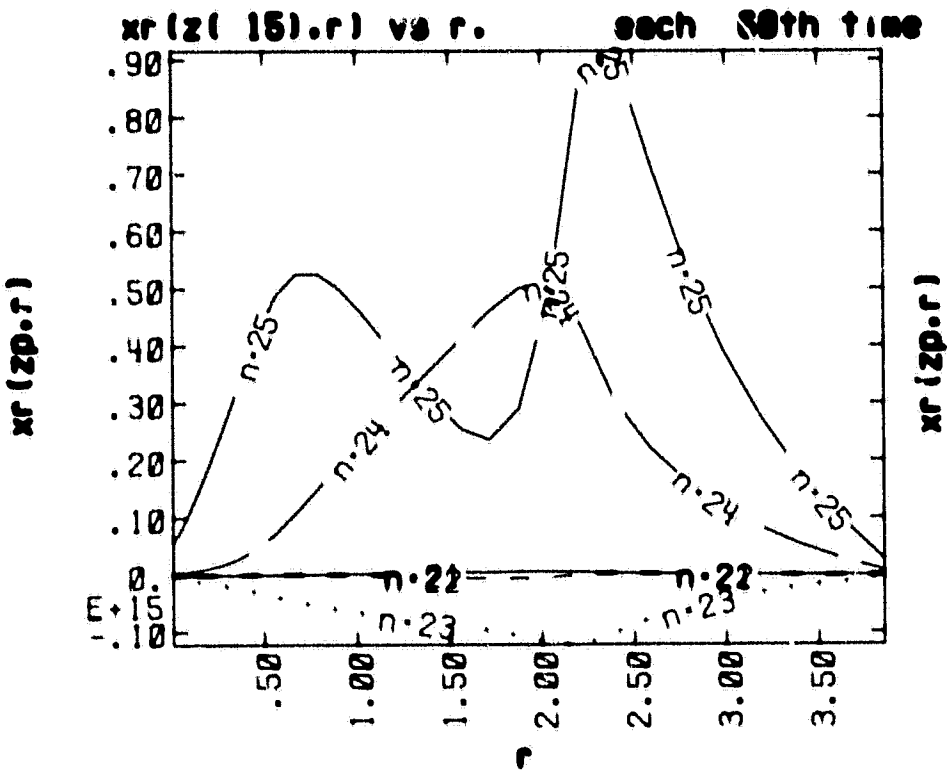

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
E+25
E+4
n·37
n·38
n·39
n·40

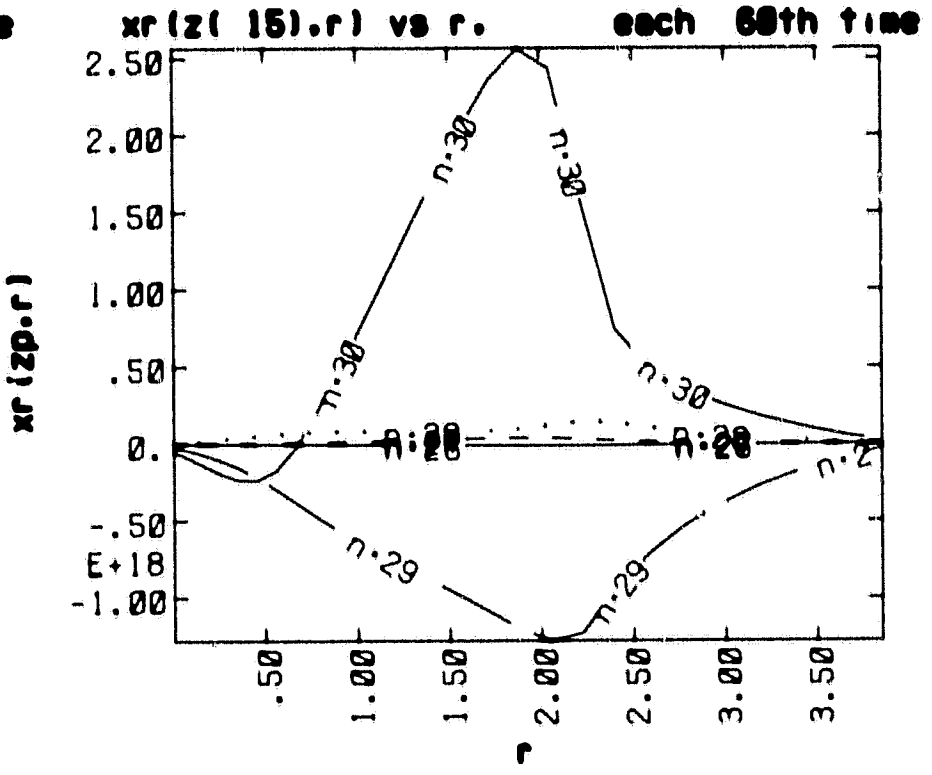

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n. 5
n. 4
n. 3
.50
1.00
1.50
2.00
2.50
3.00
3.50
140
120
100
80
60
40
20
0
-20
-40

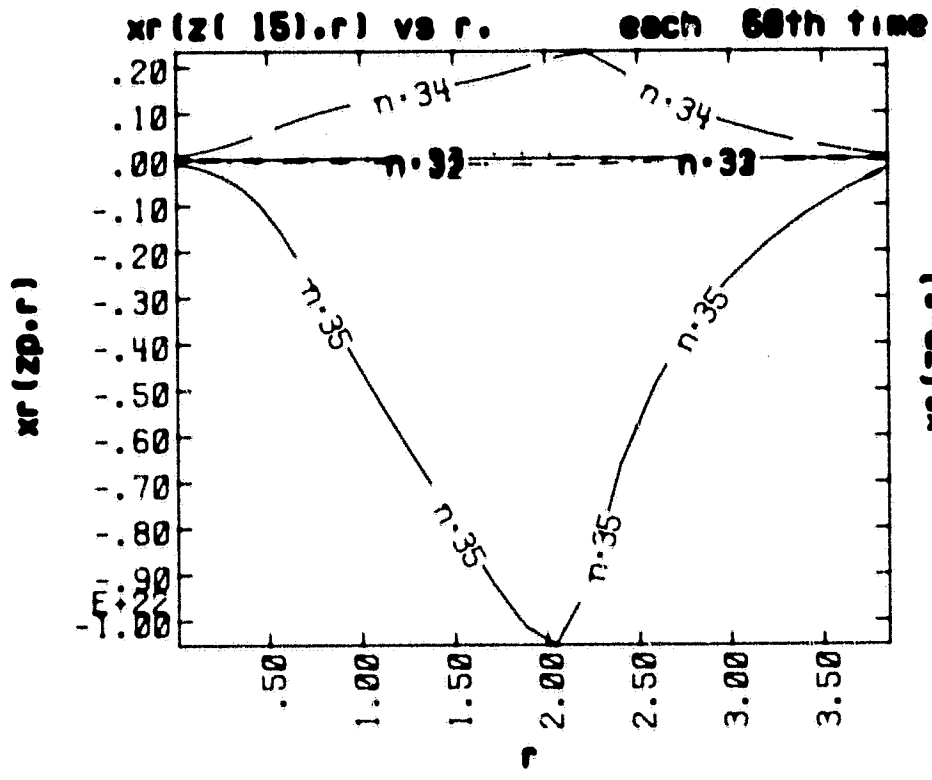

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n. 9
n. 8
n.10
.50
1.00
1.50
2.00
2.50
3.00
3.50
0.
-.50
-1.00
-1.50
-2.00
-2.50
-3.00
E+5
-3.50

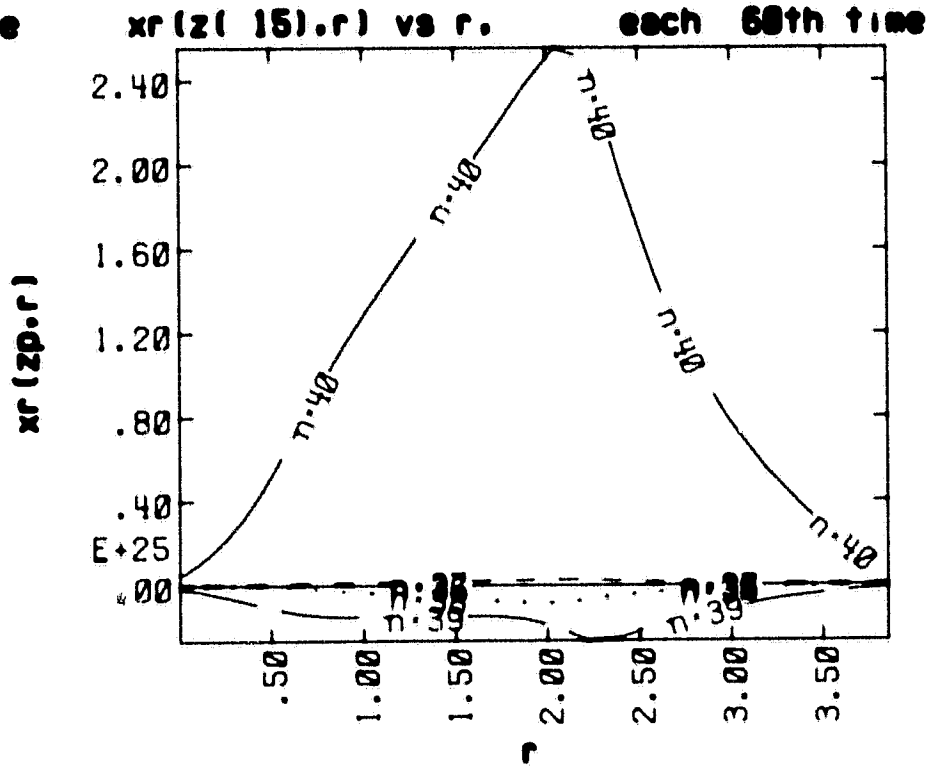

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n.15
n.14
n.13
.50
1.00
1.50
2.00
2.50
3.00
3.50
7.00
6.00
5.00
4.00
3.00
2.00
1.00
E+8
0.

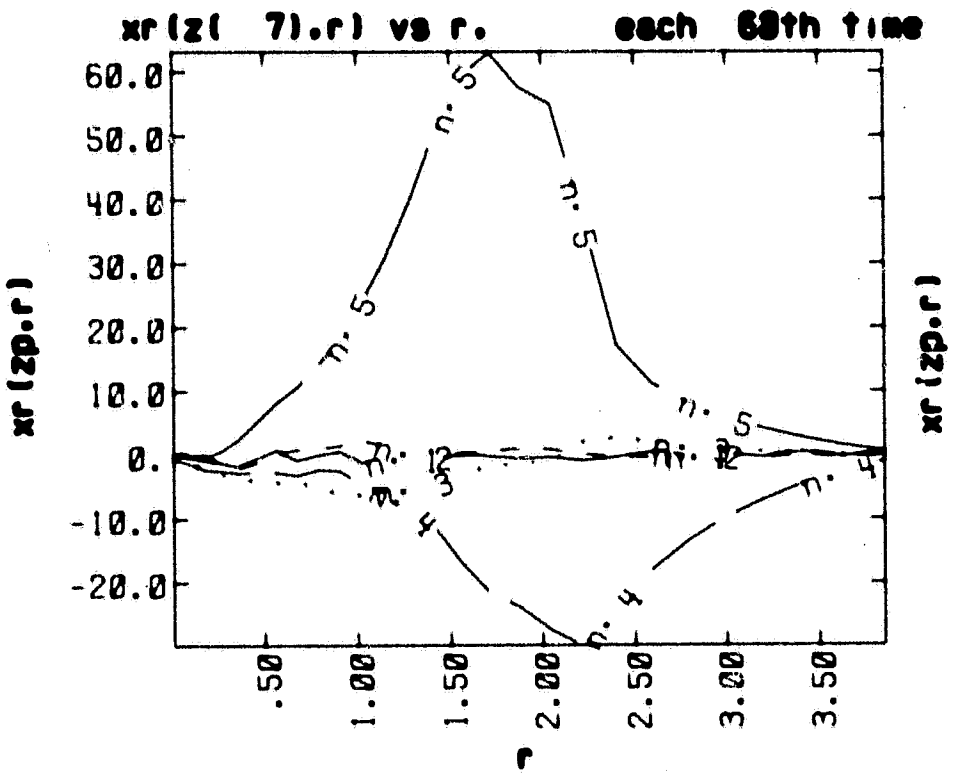

xr(z(15).r) vs r. each 60th time
xr(zp.r)
r
n.20
n.19
n.18
.50
1.00
1.50
2.00
2.50
3.00
3.50
0.
-.10
-.20
-.30
-.40
-.50
-.60
-.70
-.80
-.90
E+12
-1.00

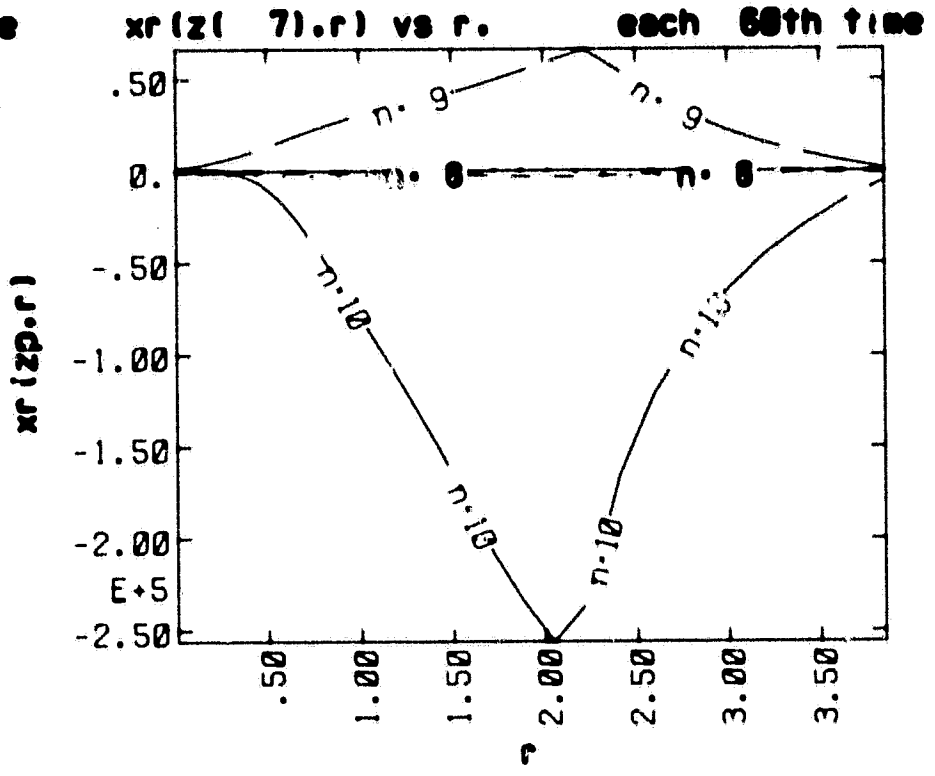

xr(z(15).r) vs r. each 50th time
xr(zp.r)
E+15
r
.50
1.00
1.50
2.00
2.50
3.00
3.50
n·21
n·22
n·23
n·24
n·25

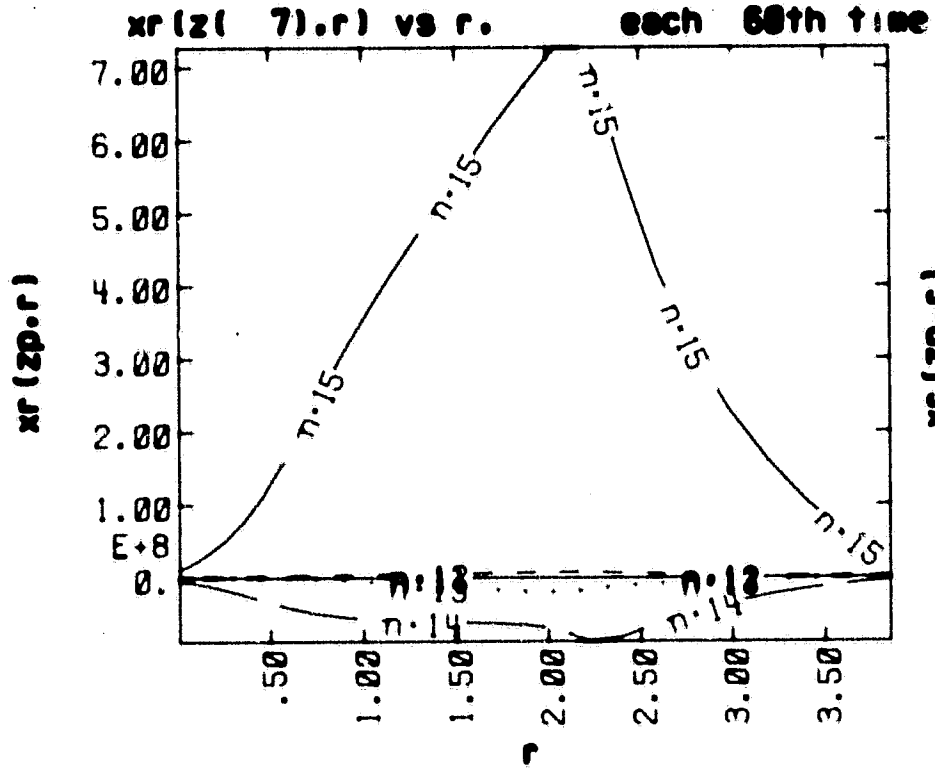

xr(z(15).r) vs r. each 60th time
xr(zp.r)
E+18
r
n·29
n·30

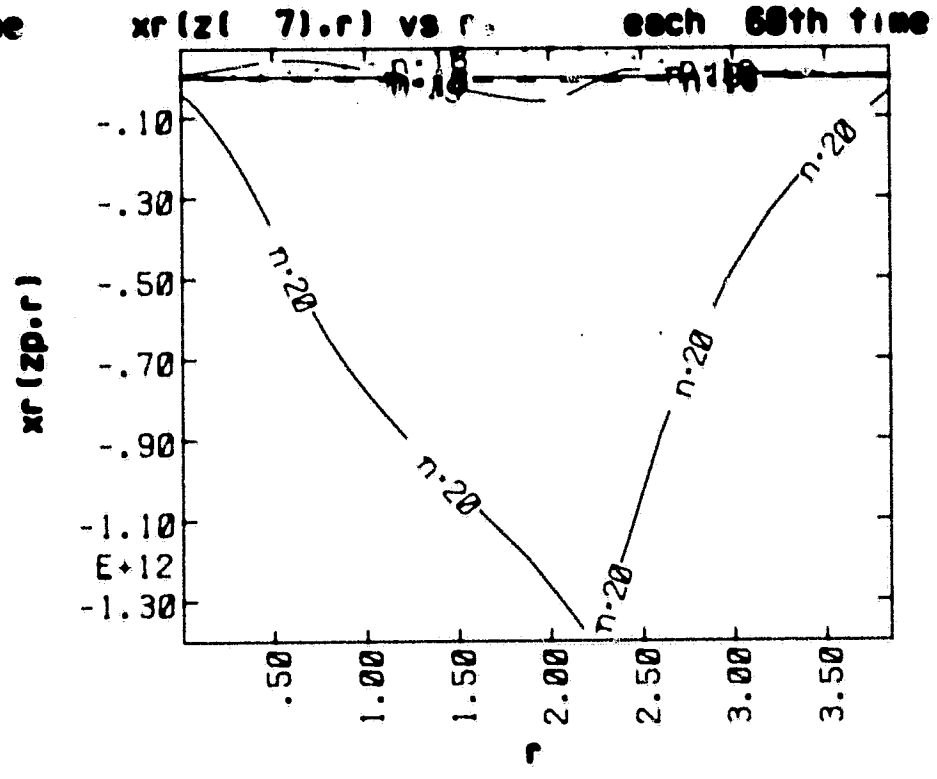

xr(z(15).r) vs r. each 60th time
xr(zp.r)
E+22
r
n·32
n·34
n·35

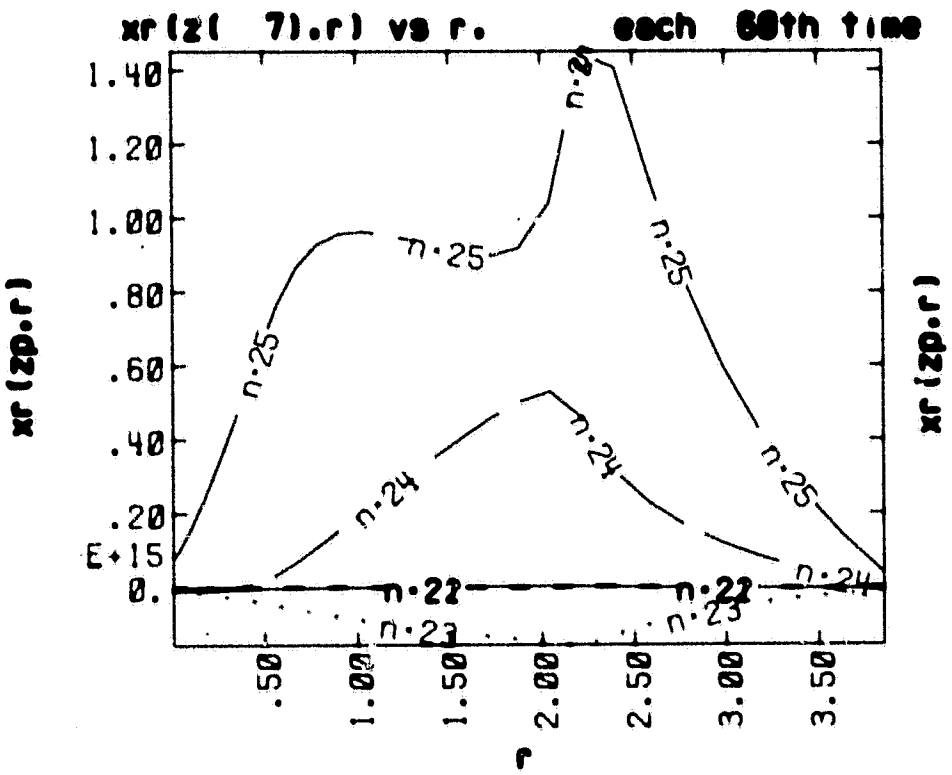

xr(z(15).r) vs r. each 60th time
xr(zp.r)
E+25
r
n·38
n·39
n·40

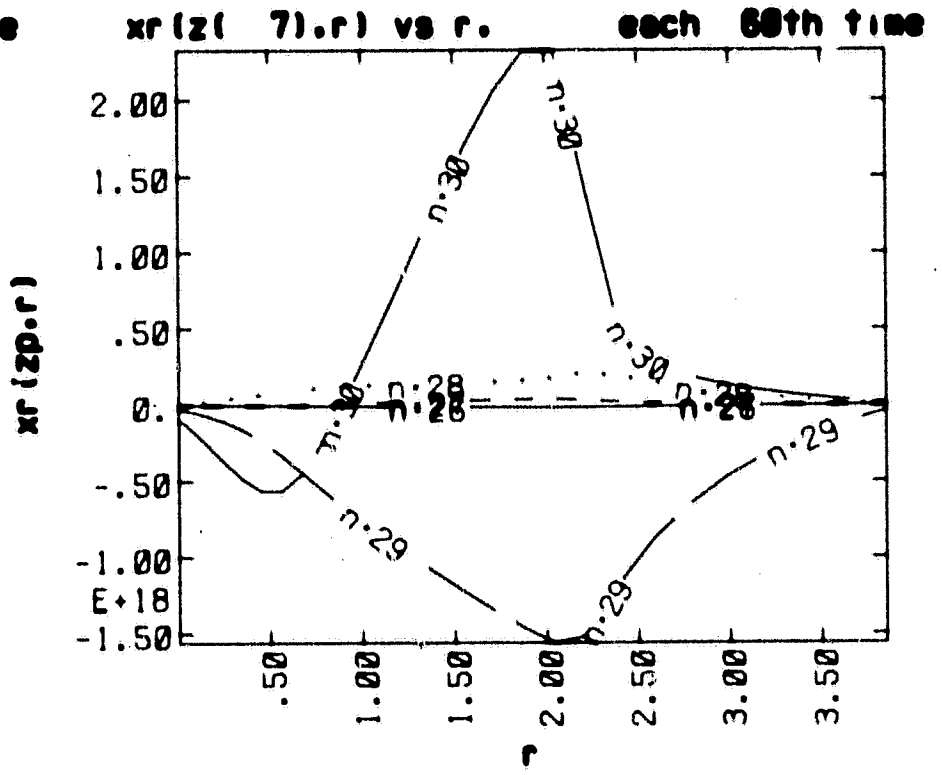

xr(z(7).r) vs r. each 60th time
xr(zp.r)
r
60.0
50.0
40.0
30.0
20.0
10.0
0.
-10.0
-20.0
.50
1.00
1.50
2.00
2.50
3.00
3.50
n. 5
n. 12
n. 4

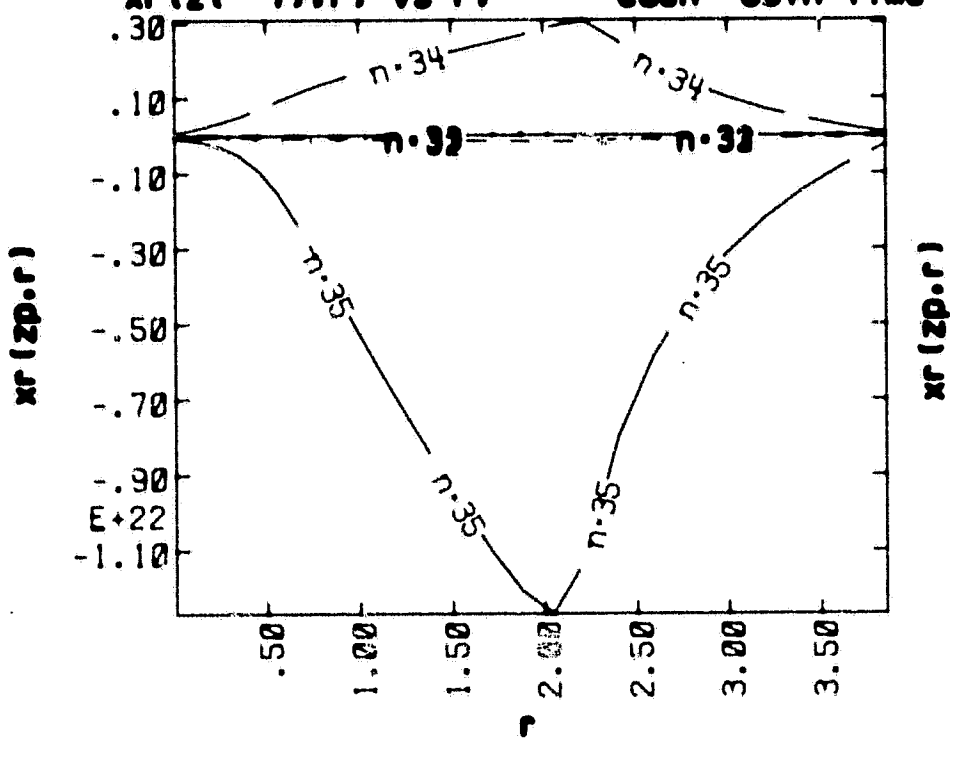

xr(z(7).r) vs r. each 60th time
xr(zp.r)
r
.50
0.
-.50
-1.00
-1.50
-2.00
E+5
-2.50
.50
1.00
1.50
2.00
2.50
3.00
3.50
n. 9
n. 8
n.10
n.13

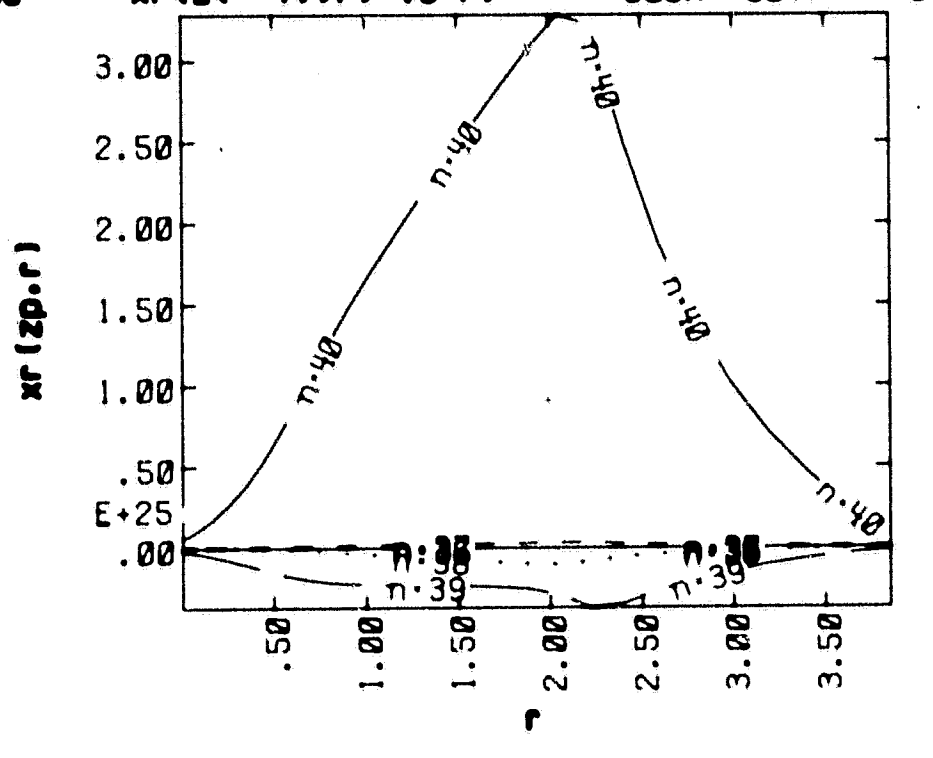

xr(z(7).r) vs r. each 60th time
xr(zp.r)
r
7.00
6.00
5.00
4.00
3.00
2.00
1.00
E+8
0.
.50
1.00
1.50
2.00
2.50
3.00
3.50
n.15
n.13
n.14

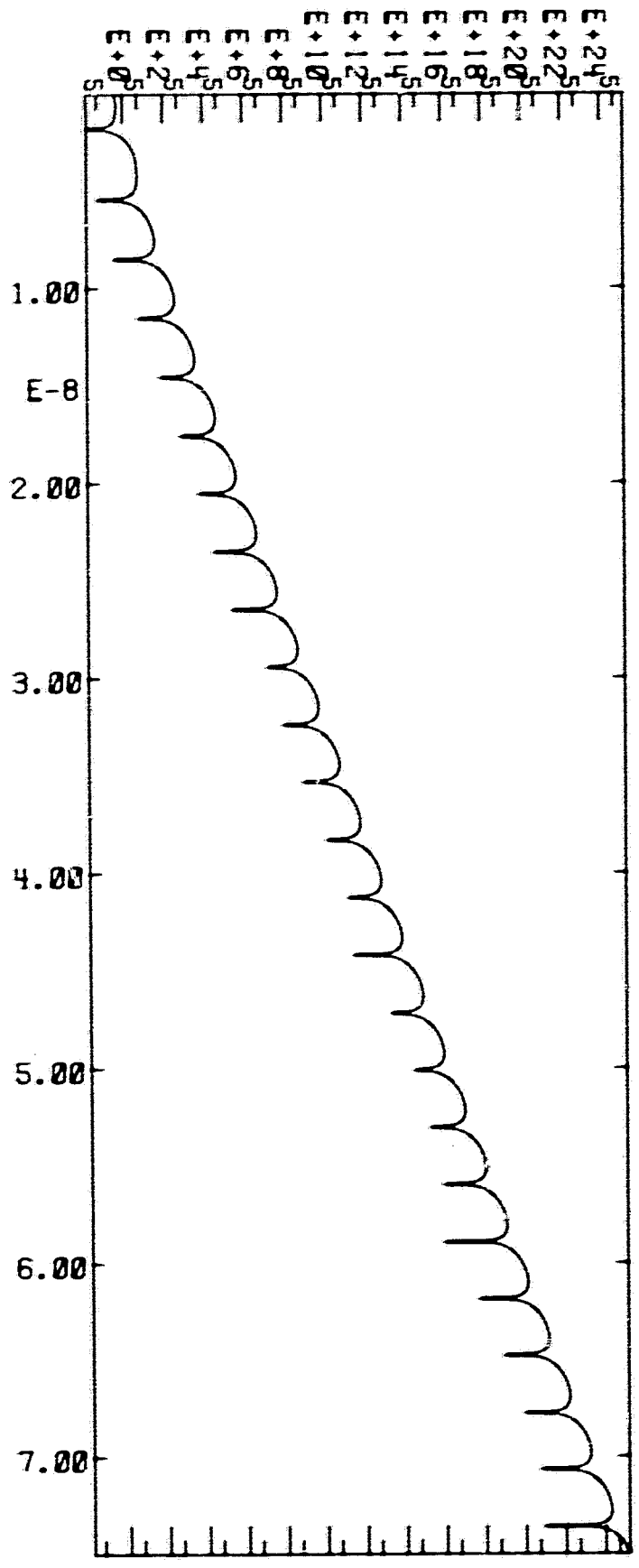

xr(z(7).r) vs r. each 60th time
xr(zp.r)
r
-.10
-.30
-.50
-.70
-.90
-1.10
E+12
-1.30
.50
1.00
1.50
2.00
2.50
3.00
3.50
n.20

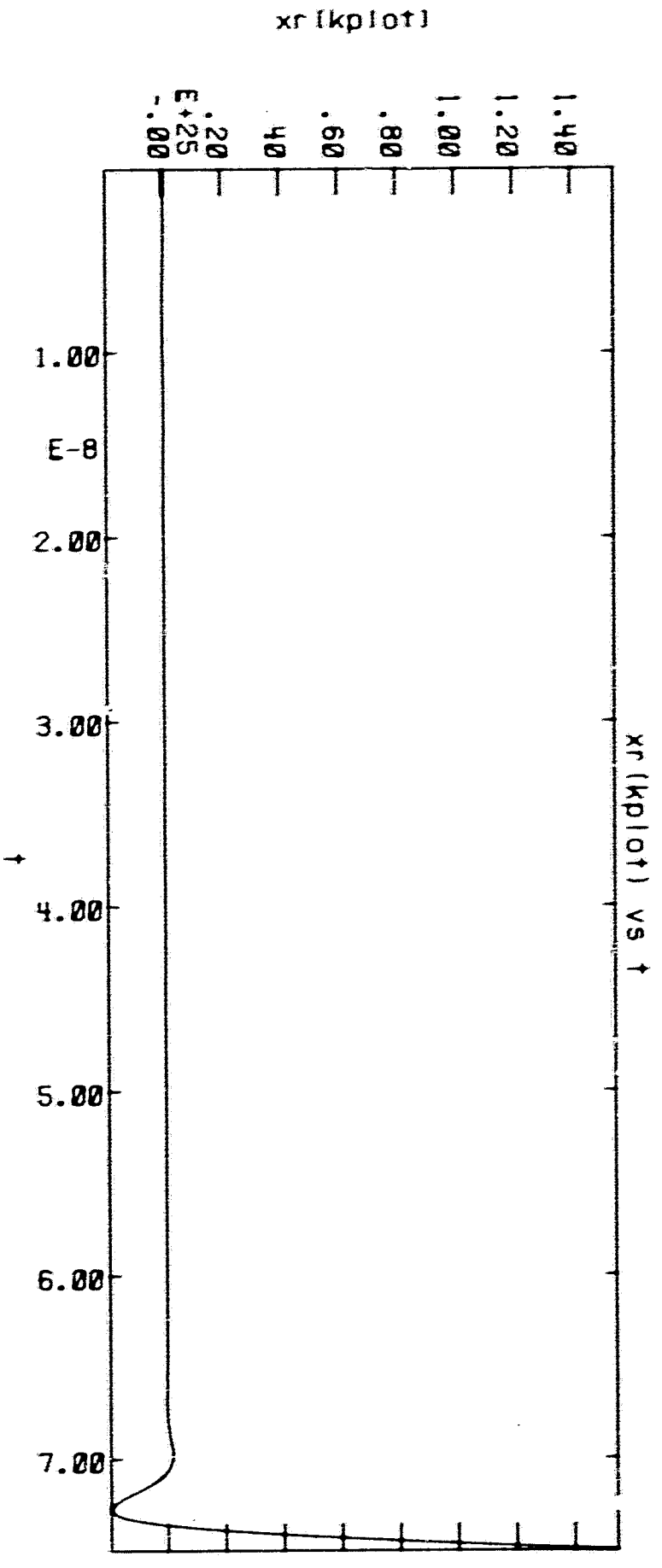

xr(z(7),r) vs r. each 60th time
xr(zp,r)
1.40
1.20
1.00
.80
.60
.40
.20
E+15
0.
n·25
n·24
n·22
n·23
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


xr(z(7),r) vs r. each 60th time
xr(zp,r)
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(z(7),r) vs r. each 60th time
xr(zp,r)
.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(z(7),r) vs r. each 60th time
xr(zp,r)
3.00
2.50
2.00
1.50
1.00
.50
E+25
.00
n·40
n·38
n·39
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


5
E+05
E+25
E+45
E+65
E+85
E+105
E+125
E+145
E+165
E+185
E+205
E+225
E+245
1.00
E-8
2.00
3.00
4.00
5.00
6.00
7.00


xr [kplot]
-.00
E+25
.20
.40
.60
.80
1.00
1.20
1.40
1.00
E-8
2.00
3.00
4.00
5.00
6.00
7.00
xr (kplot) vs t
t

```
box u21$

graflib:gcs02042kcs02042
16 frames

11:04:0409/22/82 c
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