box u21$

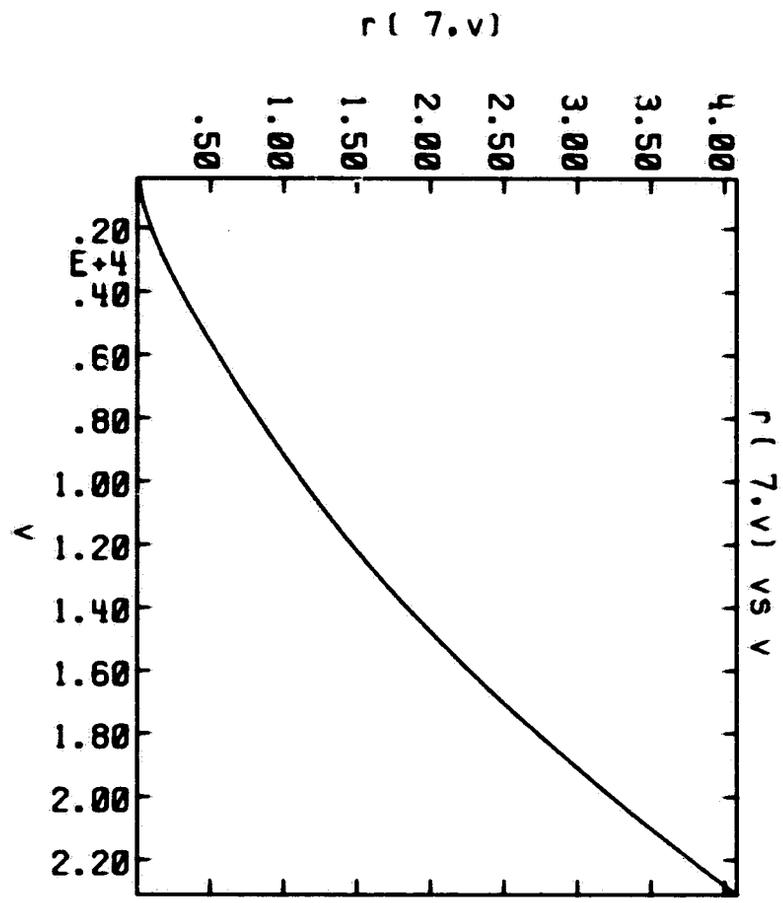
graflib:gcs02042kcs02042

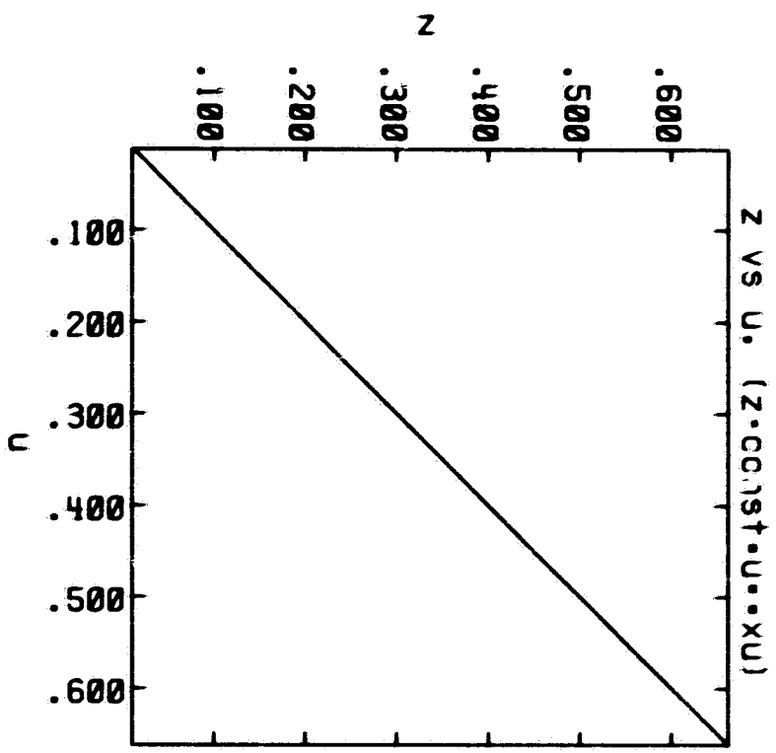
18:10:0210/22/82 c

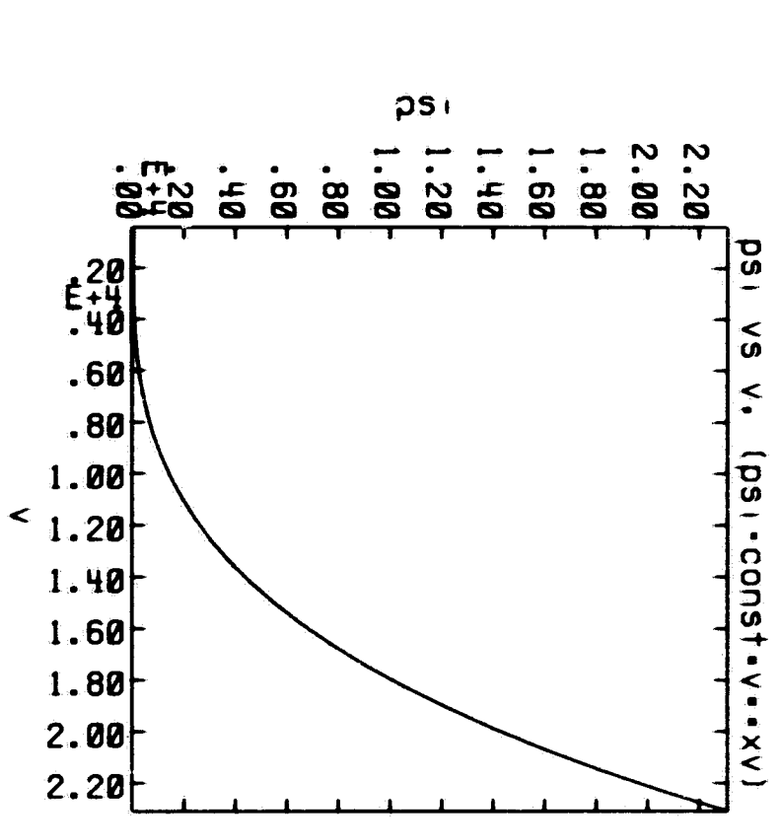
```
box u21$

graflib:gcs02042kcs02042

18:10:0210/22/82 c
```

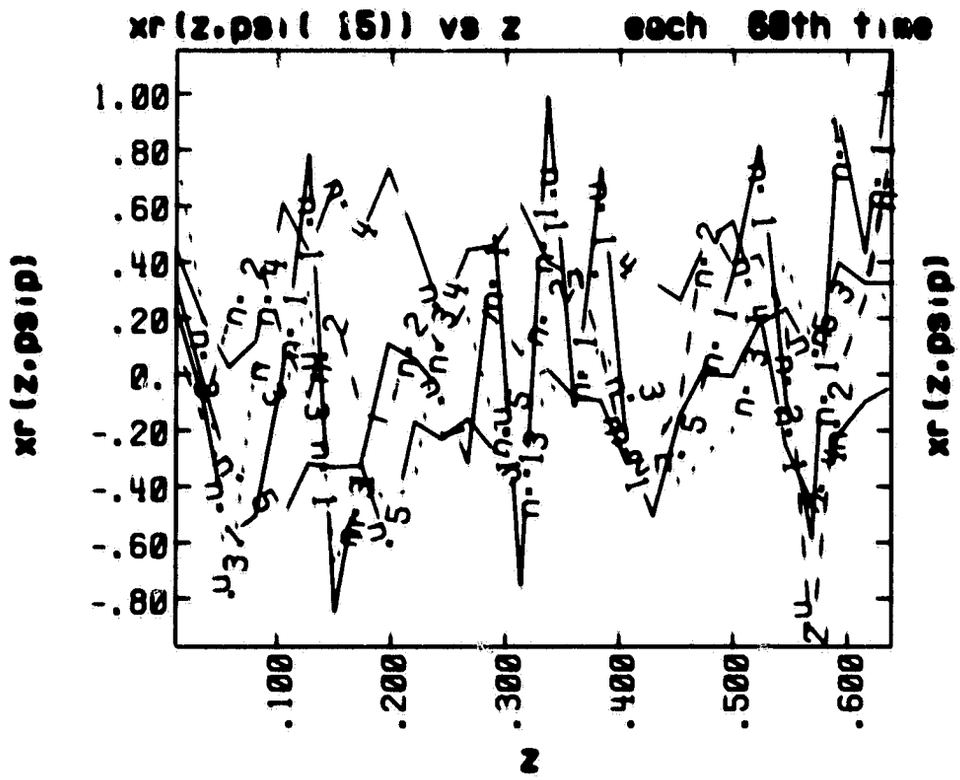
this problem run by xflr07

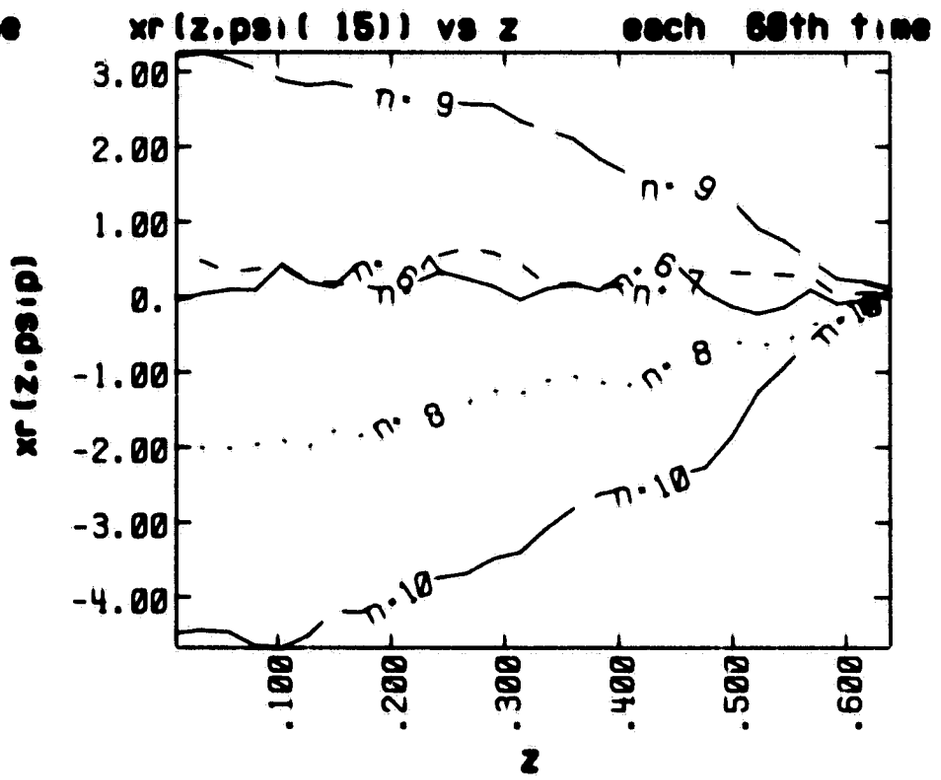
```
dt=    3.125000e-11
ix=      30
jx=      30
total time steps =    2400
no. of iterations =       4
bias=   0.01000
ratrod=    8.000000e-01
drift freq. (omegst) =  7.46038832e+08
rotation freq. (omegr) =  5.96831066e+08
e x b freq. (omegexb) =  1.34286990e+09
flr=  1.00000000e+00
sf6=  1.00000000e+00
sf8=  1.00000000e+00
enbar=  0.
kplot=     349
kzs=       1
valfk =  5.00000000e-01
  cpu time =  8.46193320e+13
  i-o time =  1.33168300e+12
  sys time =  9.19266900e+12
u exponent (xu) =   1.00000000e+00
v exponent (xv)=  3.32192809e+00
  en0=  1.00000000e+14
  bp=  1.00000000e+04
  m=  0.00000000e+00
```

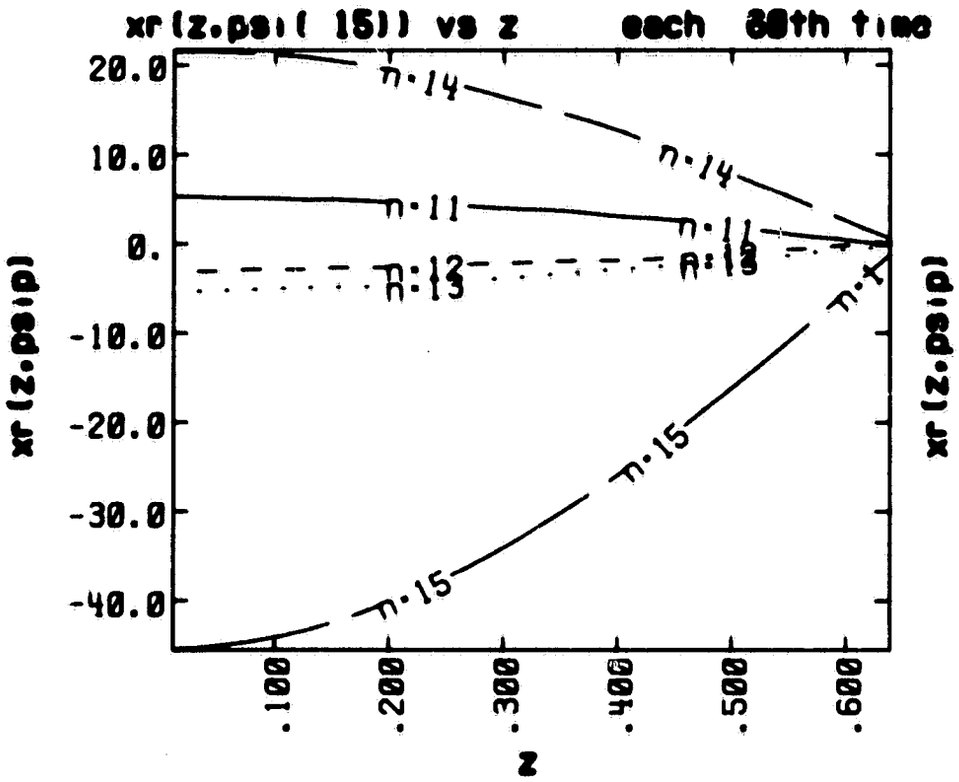

r(7,v)
.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
.20
E+4
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
v
r(7,v) vs v

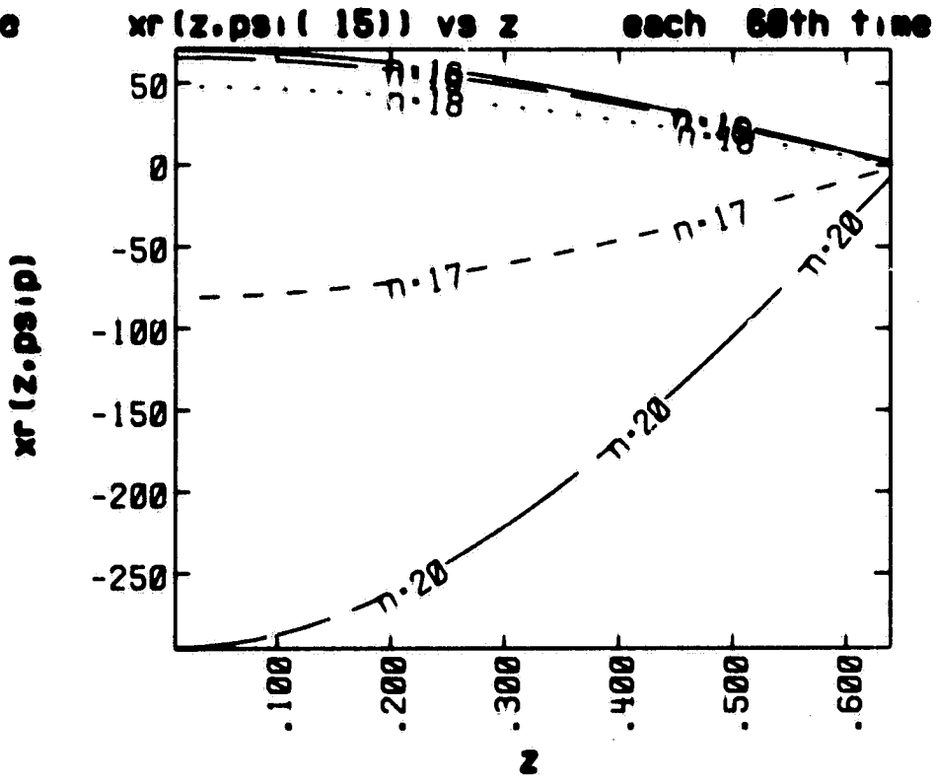

z
.100
.200
.300
.400
.500
.600
.100
.200
.300
.400
.500
.600
u
z vs u, (z=const+u+u**xu)

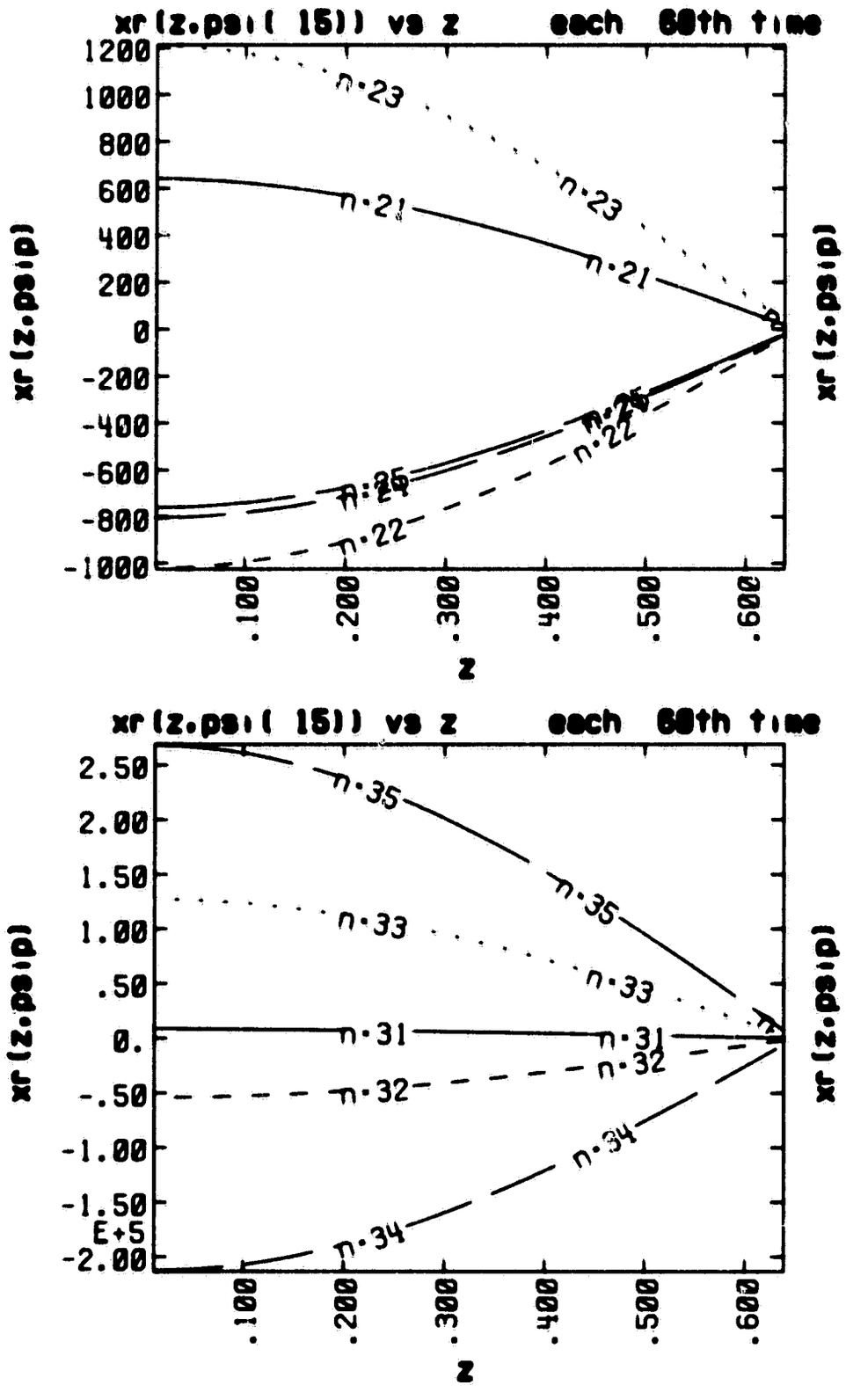

psi
.00
.20
E+4
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
.00
.20
E+4
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
v
psi vs v, (psi=const+v**xv)

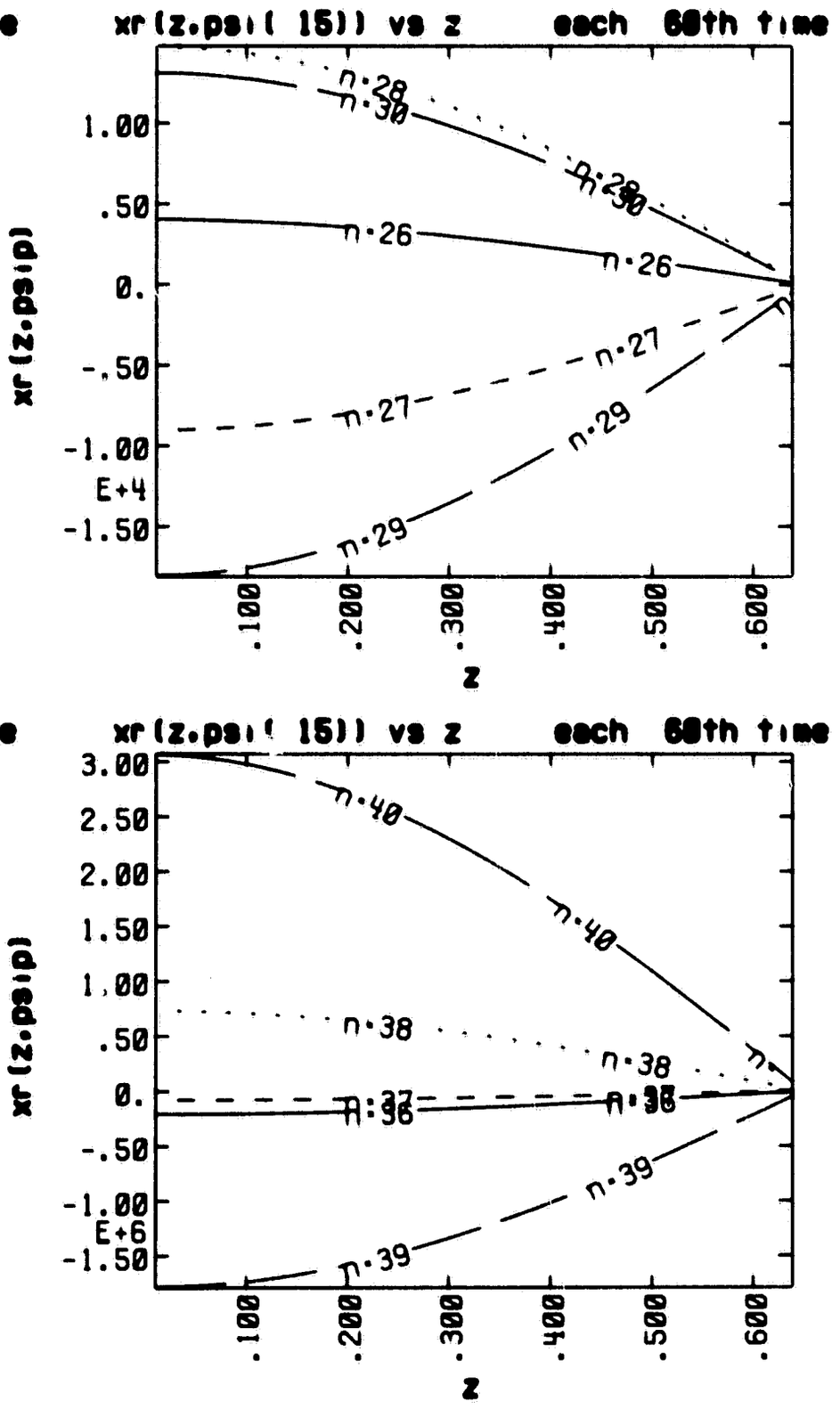

xr(z,psi(15)) vs z each 60th time
xr(z,psi(p))
z
1.00
.80
.60
.40
.20
0.
-.20
-.40
-.60
-.80
.100
.200
.300
.400
.500
.600


xr(z,psi(15)) vs z each 60th time
xr(z,psi(p))
z
3.00
2.00
1.00
0.
-1.00
-2.00
-3.00
-4.00
n· 9
n· 8
n·10
.100
.200
.300
.400
.500
.600


xr(z,psi(15)) vs z each 60th time
xr(z,psi(p))
z
20.0
10.0
0.
-10.0
-20.0
-30.0
-40.0
n·14
n·11
n·12
n·13
n·15
.100
.200
.300
.400
.500
.600

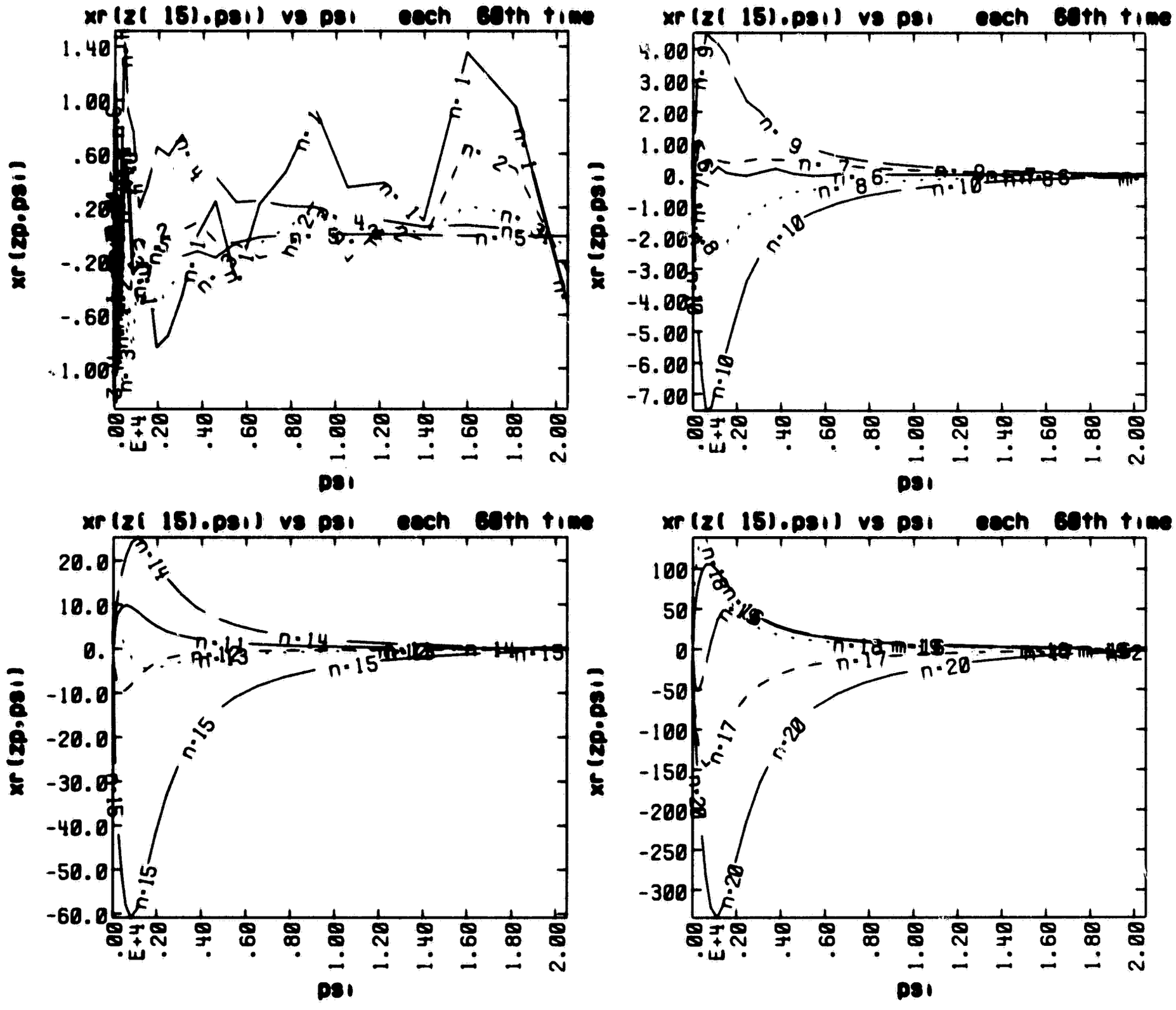

xr(z,psi(15)) vs z each 60th time
xr(z,psi(p))
z
50
0
-50
-100
-150
-200
-250
n·18
n·16
n·17
n·20
.100
.200
.300
.400
.500
.600

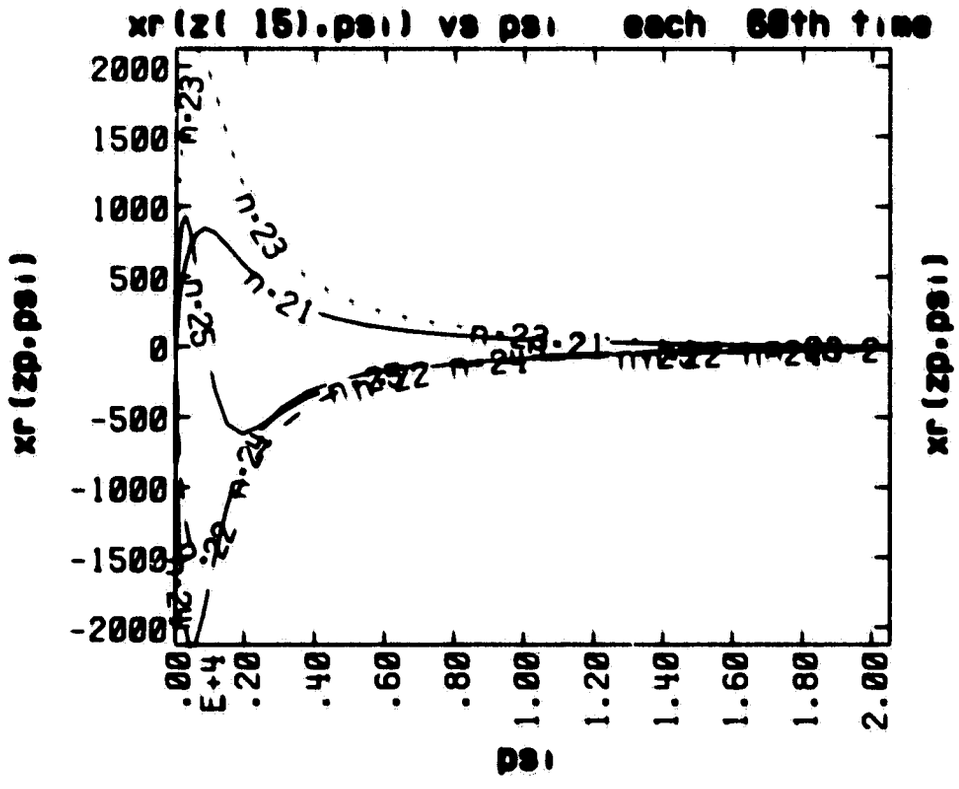

xr(z.psi(15)) vs z each 60th time
xr(z.psip)
z
n·23
n·21
n·25
n·24
n·22
1200
1000
800
600
400
200
0
-200
-400
-600
-800
-1000
.100
.200
.300
.400
.500
.600

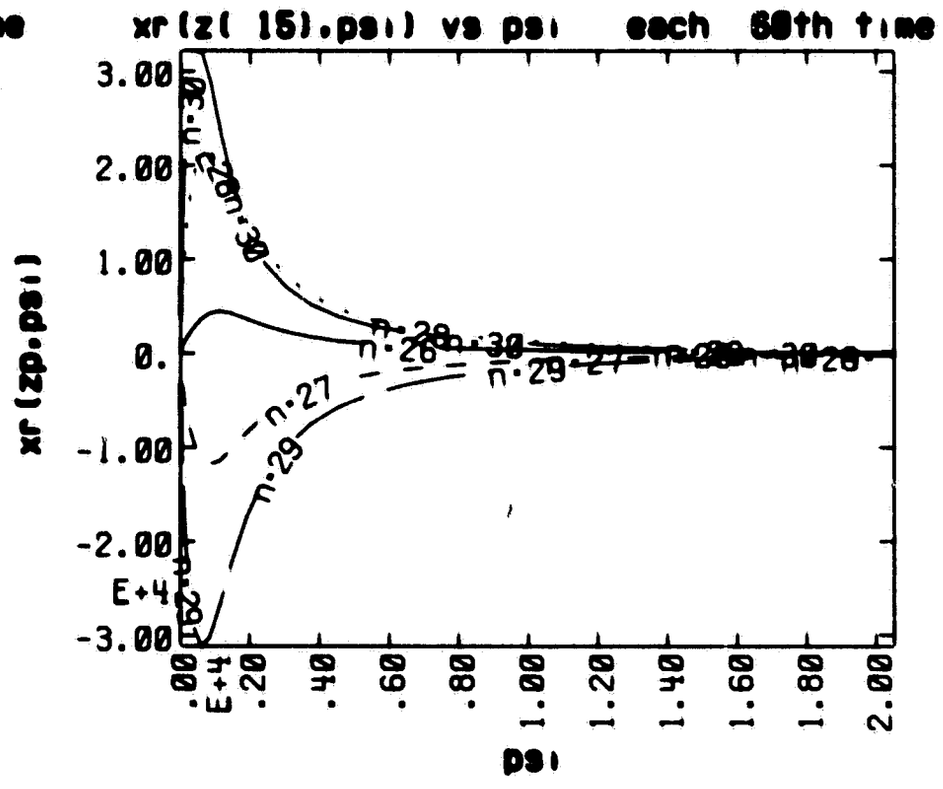

xr(z.psi(15)) vs z each 60th time
xr(z.psip)
z
n·28
n·30
n·26
n·27
n·29
1.00
.50
0.
-.50
-1.00
E+4
-1.50
.100
.200
.300
.400
.500
.600

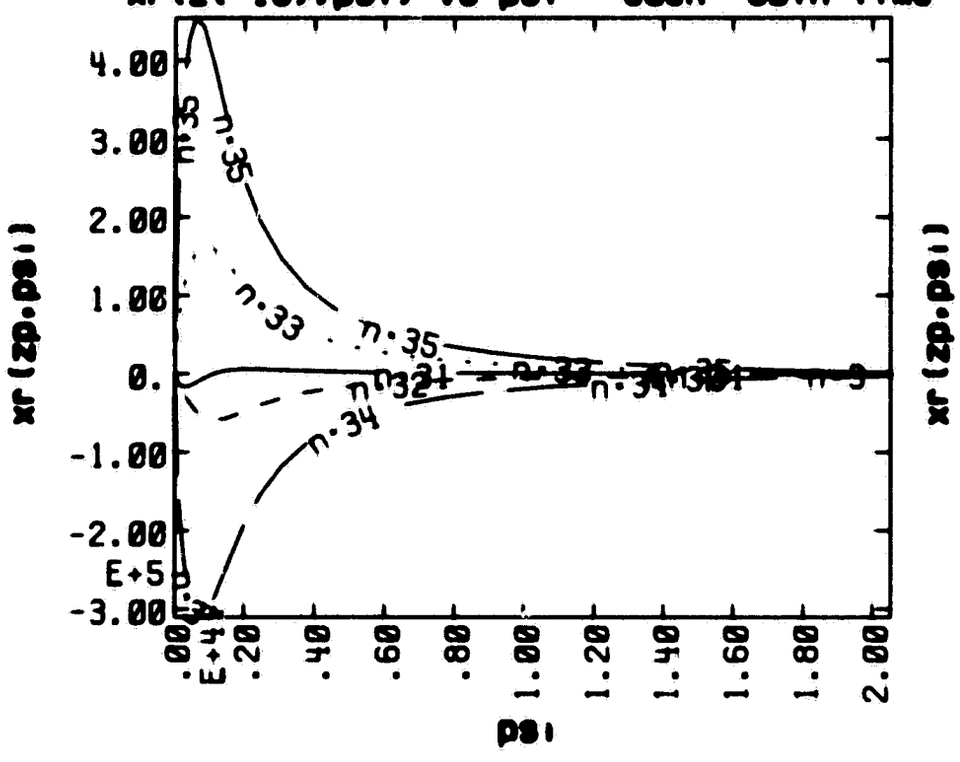
xr(z.psi(15)) vs z each 60th time
xr(z.psip)
z
n·35
n·33
n·31
n·32
n·34
2.50
2.00
1.50
1.00
.50
0.
-.50
-1.00
-1.50
E+5
-2.00
.100
.200
.300
.400
.500
.600

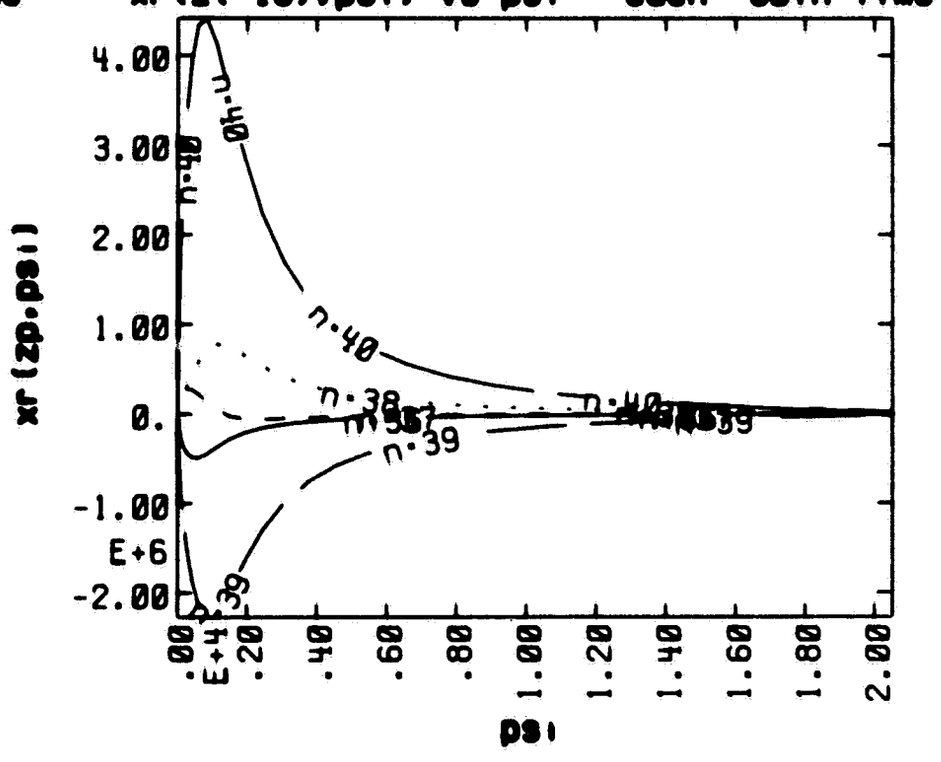
xr(z.psi(15)) vs z each 60th time
xr(z.psip)
z
n·40
n·38
n·37
n·36
n·39
3.00
2.50
2.00
1.50
1.00
.50
0.
-.50
-1.00
E+6
-1.50
.100
.200
.300
.400
.500
.600

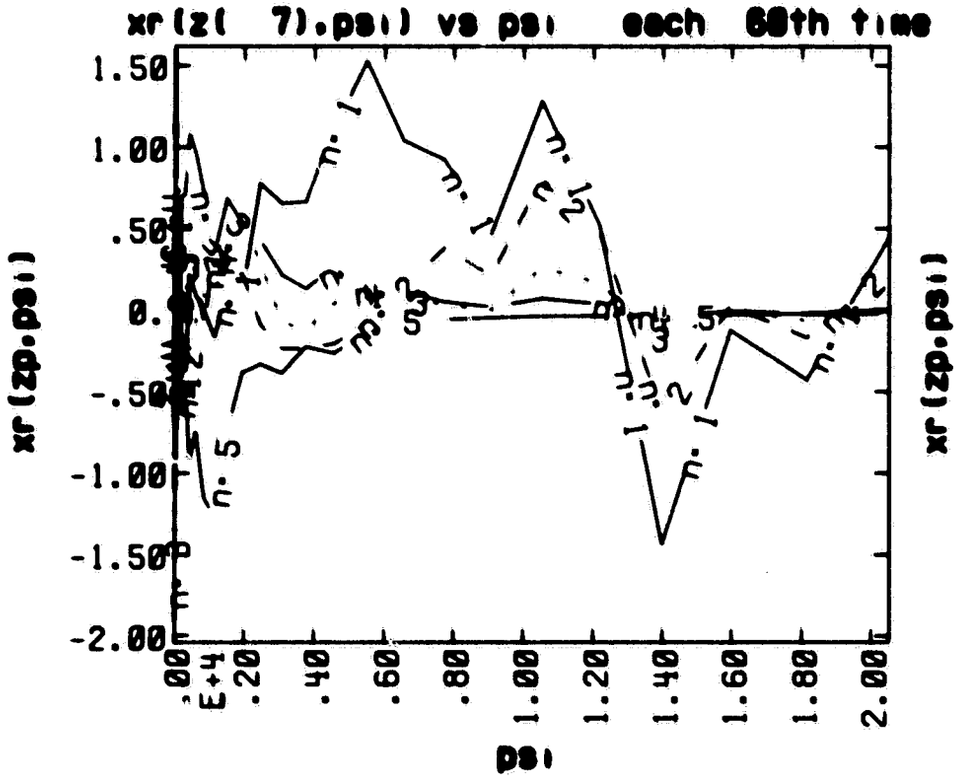

xr(z(15),psi) vs psi each 60th time
xr(zp,psi)
psi
xr(z(15),psi) vs psi each 60th time
xr(zp,psi)
psi
xr(z(15),psi) vs psi each 60th time
xr(zp,psi)
psi
xr(z(15),psi) vs psi each 60th time
xr(zp,psi)
psi

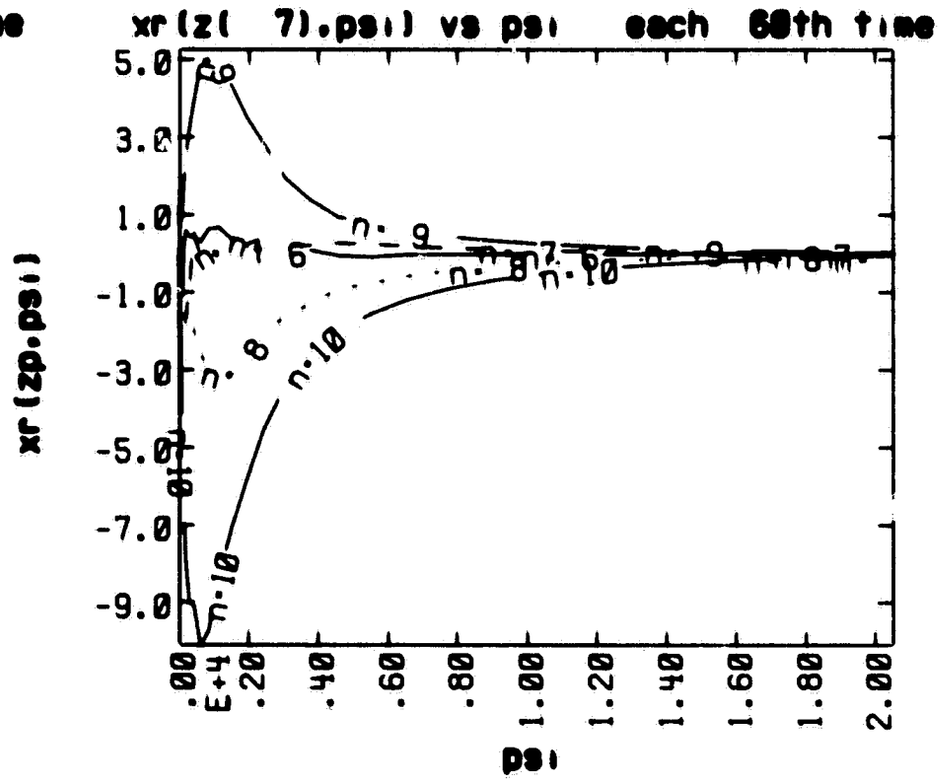

xr(z(15),psi) vs psi each 60th time
xr(zp,psi)
psi
E+4
2000
1500
1000
500
0
-500
-1000
-1500
-2000
.00
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
n·23
n·21
n·22
n·24

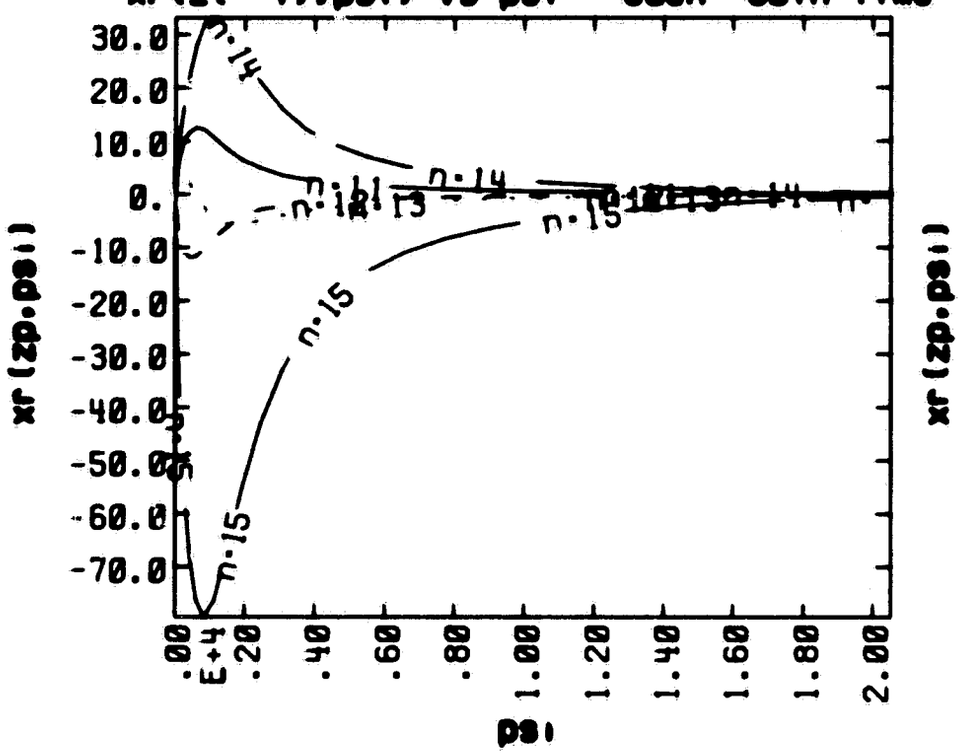

xr(z(15),psi) vs psi each 60th time
xr(zp,psi)
psi
E+4
3.00
2.00
1.00
0.
-1.00
-2.00
-3.00
.00
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
n·30
n·28
n·29
n·27

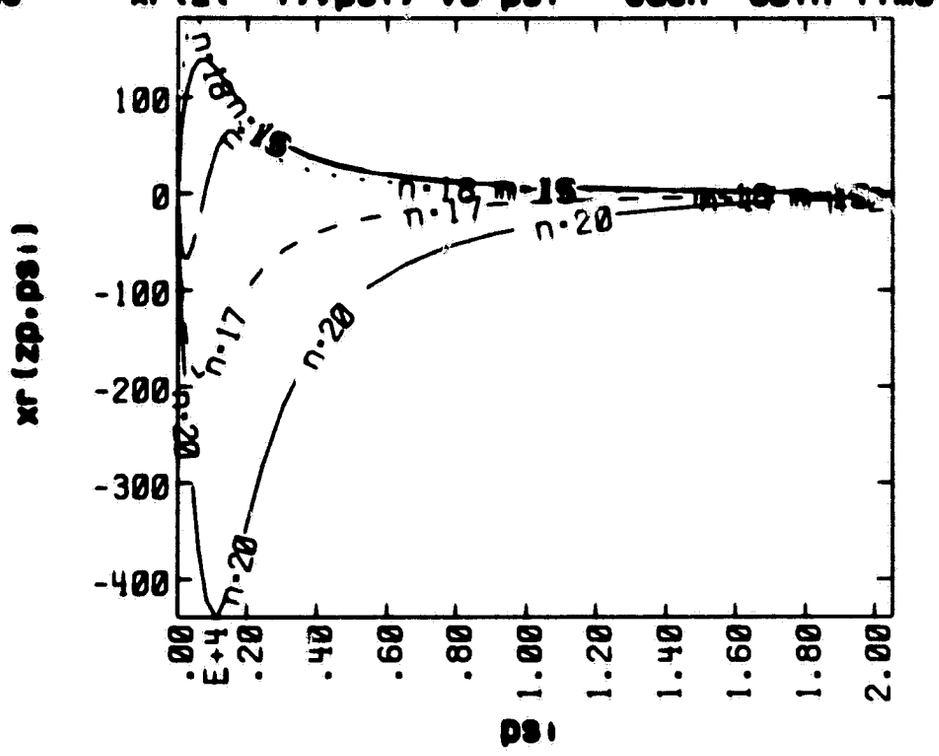

xr(z(15),psi) vs psi each 60th time
xr(zp,psi)
psi
E+5
4.00
3.00
2.00
1.00
0.
-1.00
-2.00
-3.00
.00
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
n·35
n·33
n·34

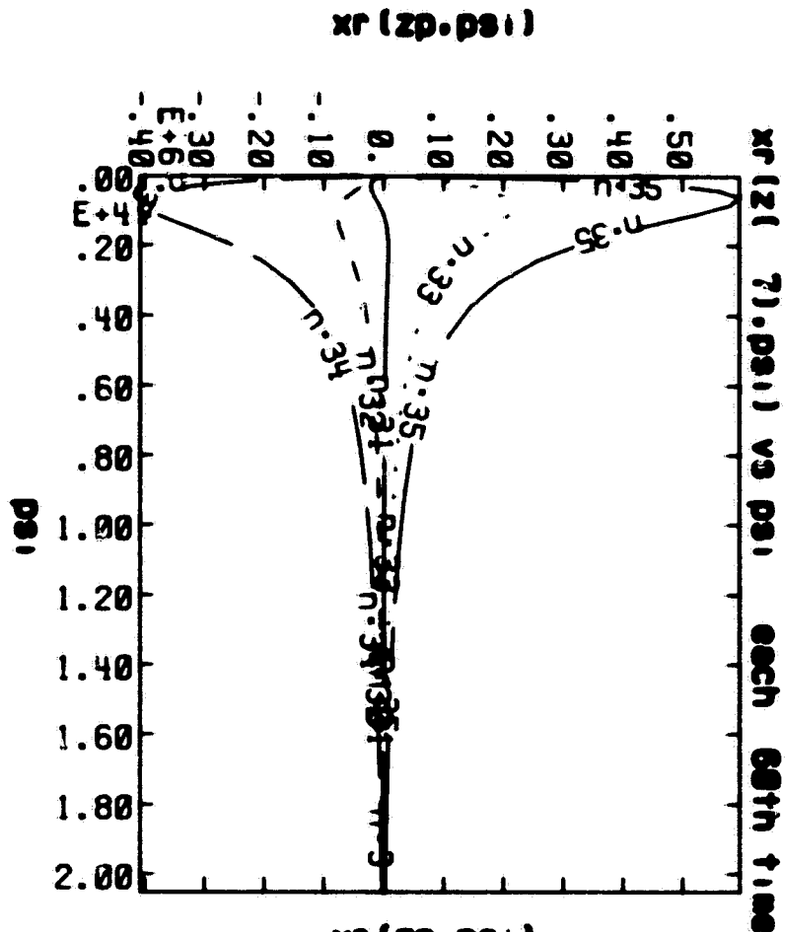

xr(z(15),psi) vs psi each 60th time
xr(zp,psi)
psi
E+6
4.00
3.00
2.00
1.00
0.
-1.00
-2.00
.00
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
n·40
n·38
n·39

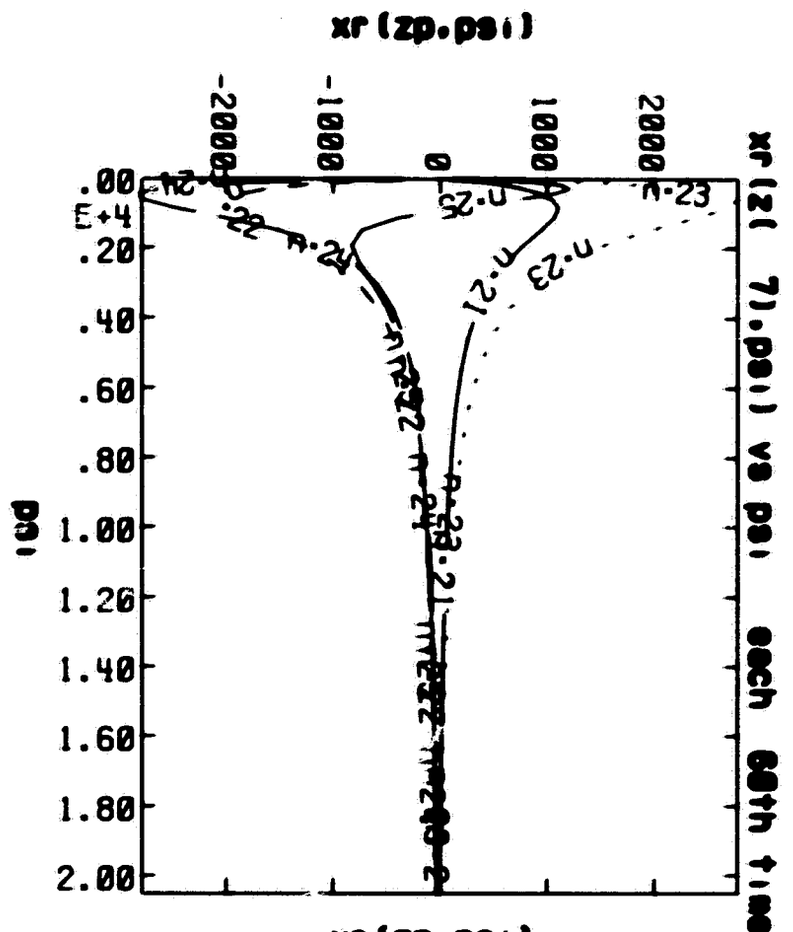

xr(z(7),psi) vs psi each 60th time
xr(zp,psi)
psi
E+4

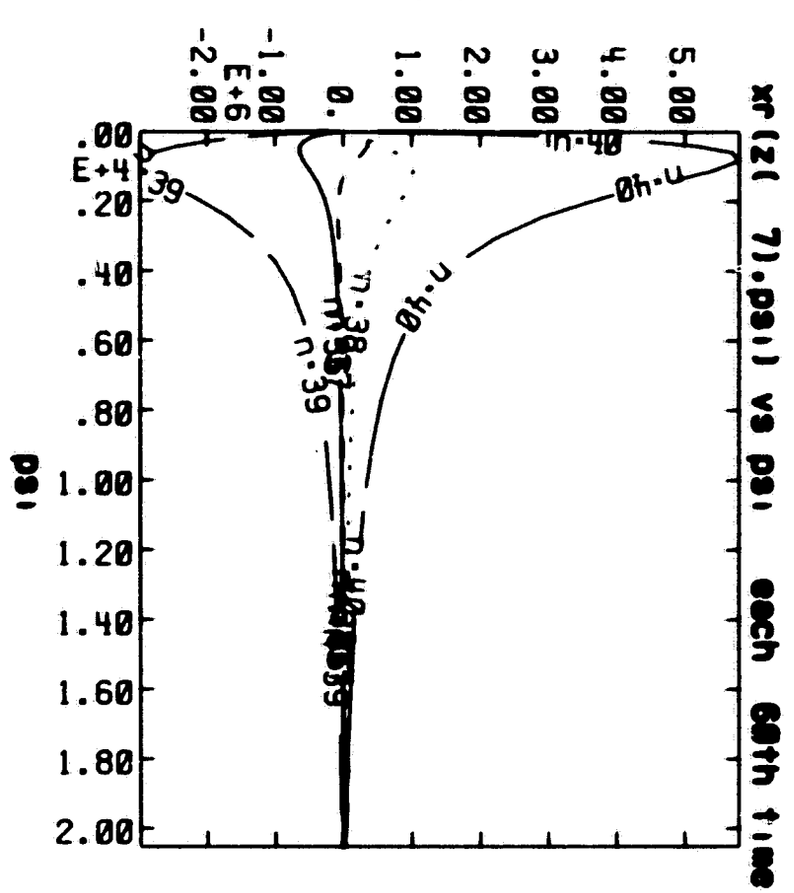

xr(z(7),psi) vs psi each 60th time
xr(zp,psi)
psi
E+4

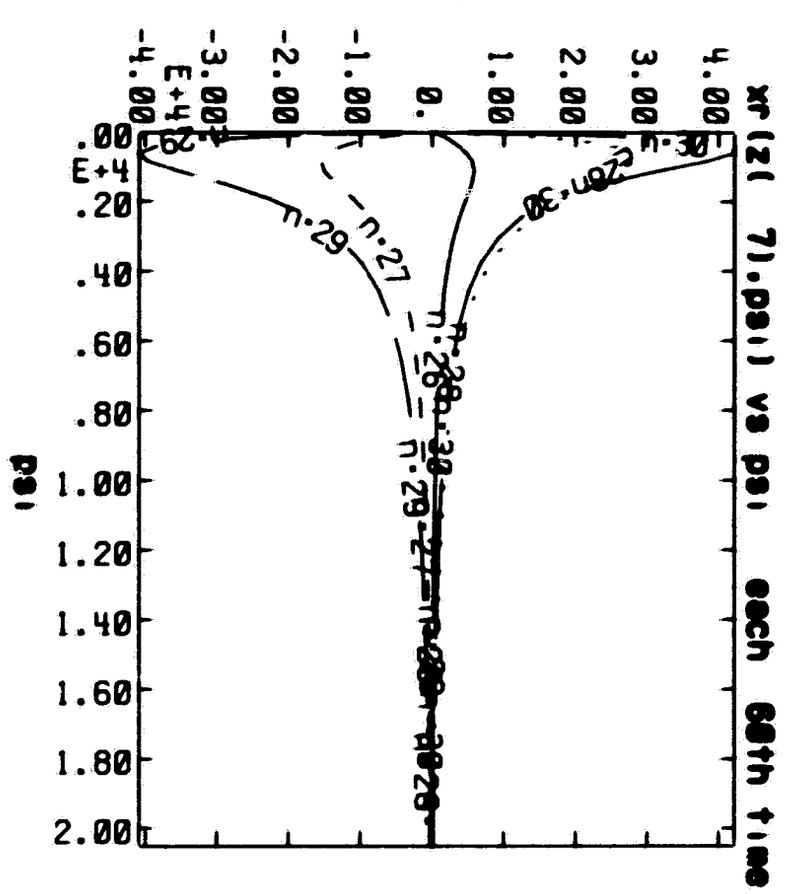

xr(z(7),psi) vs psi each 60th time
xr(zp,psi)
psi
E+4

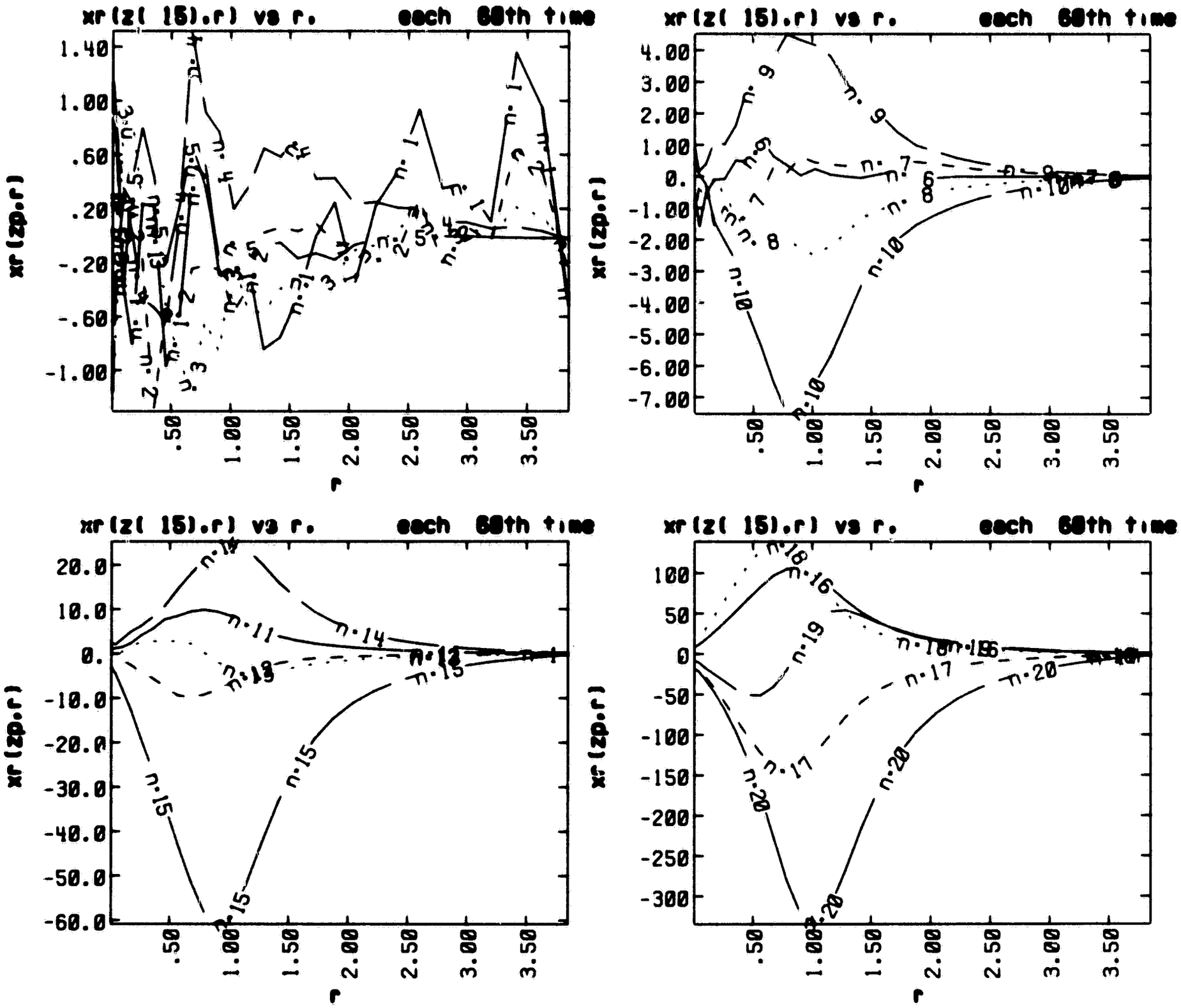

xr(z(7),psi) vs psi each 60th time
xr(zp,psi)
psi
E+4

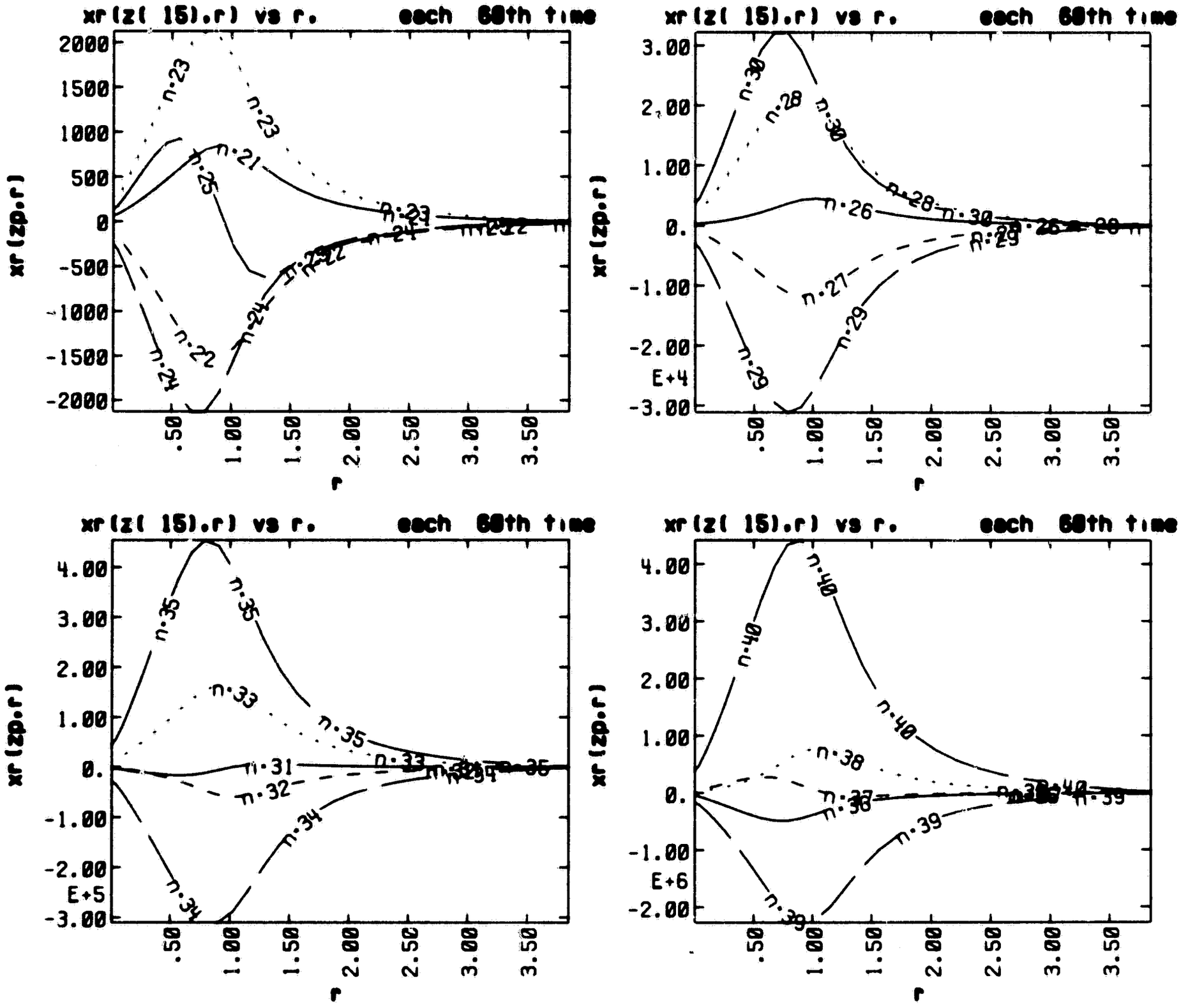

xr (zp.psi)
xr (zp.psi)
xr (zi 71.psi) vs psi each 60th time
psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
-.40
-.30
E+6
-.20
-.10
0.
.10
.20
.30
.40
.50
n.34
n.35
n.33
n.35

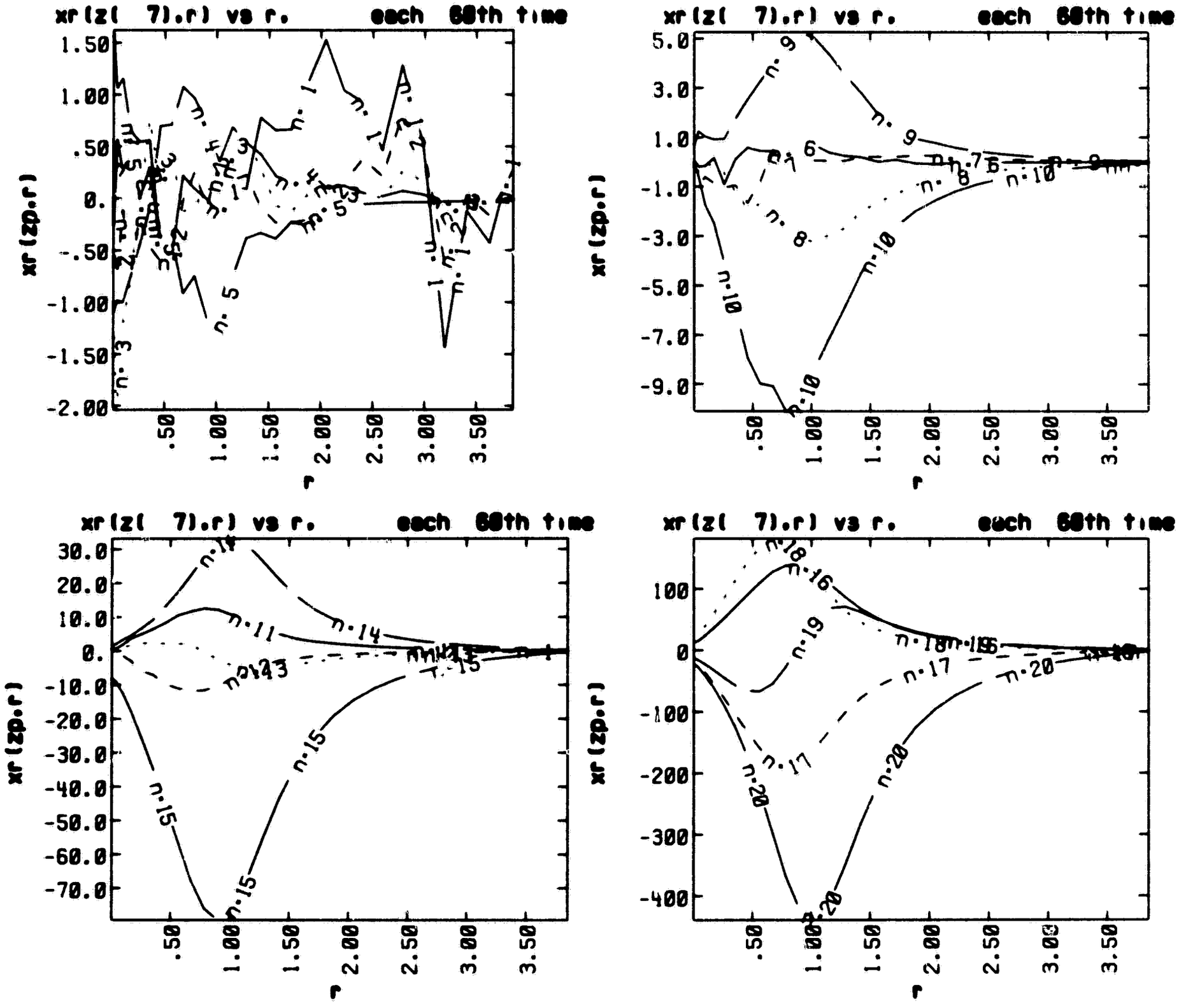

xr (zp.psi)
xr (zp.psi)
xr (zi 71.psi) vs psi each 60th time
psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
-2000
-1000
0
1000
2000
E-23
n.23
n.21

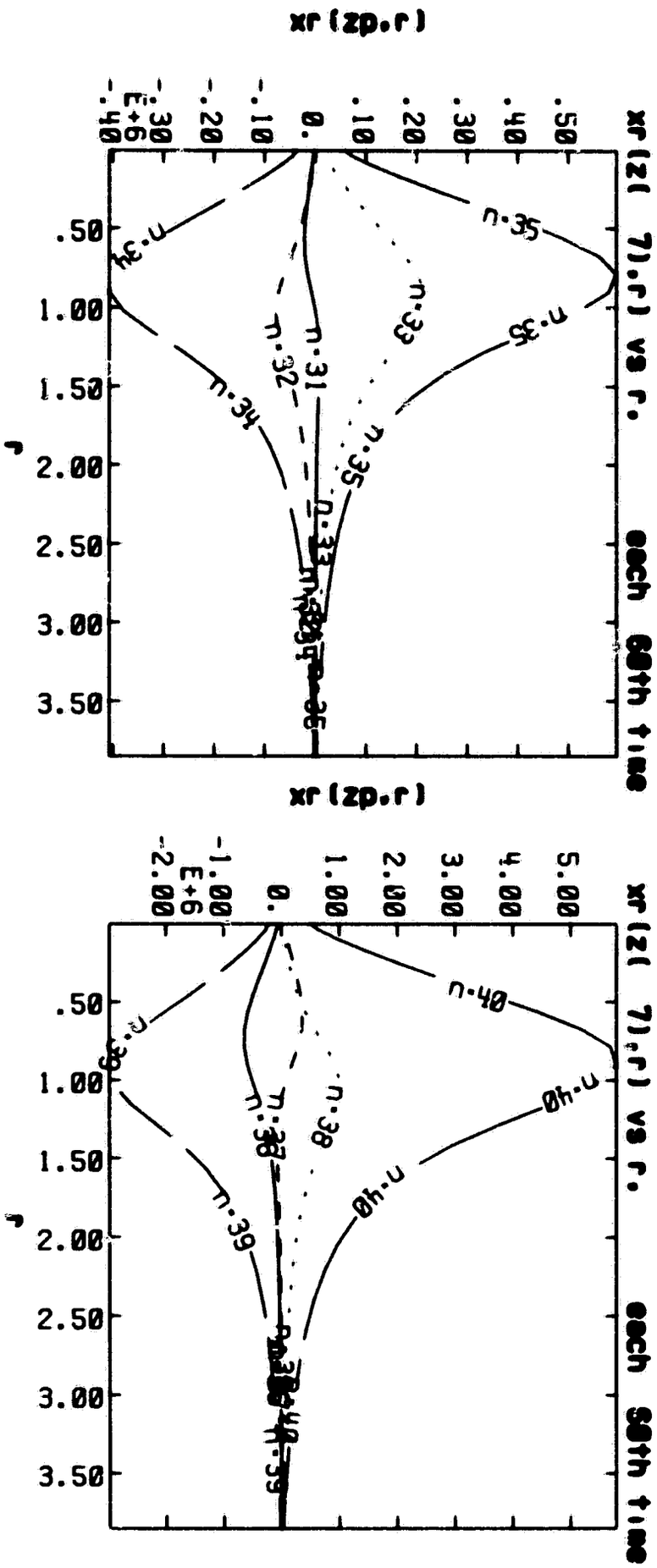

xr (zp.psi)
xr (zi 71.psi) vs psi each 60th time
psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
-2.00
-1.00
E+6
0.
1.00
2.00
3.00
4.00
5.00
n.39
n.40

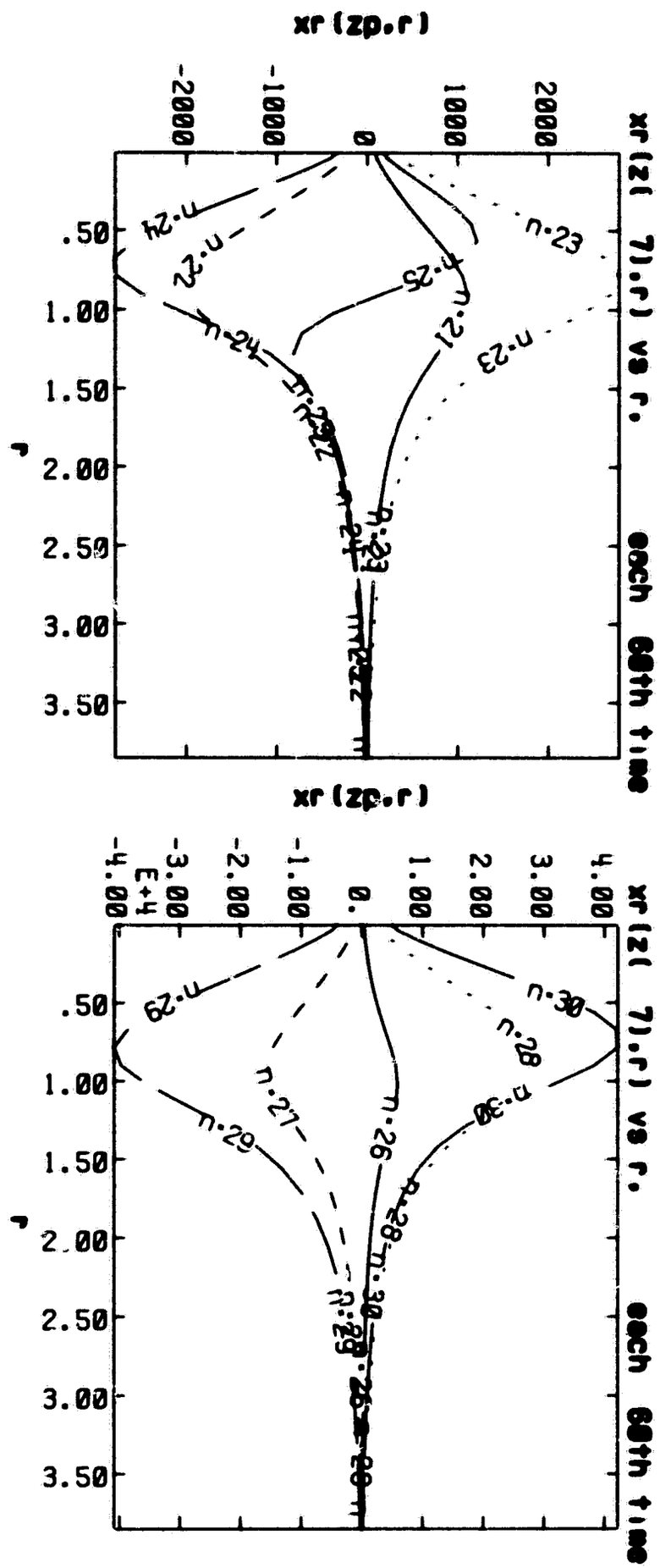

xr (zp.psi)
xr (zi 71.psi) vs psi each 60th time
psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
-4.00
-3.00
E+4
-2.00
-1.00
0.
1.00
2.00
3.00
4.00
n.29
n.27

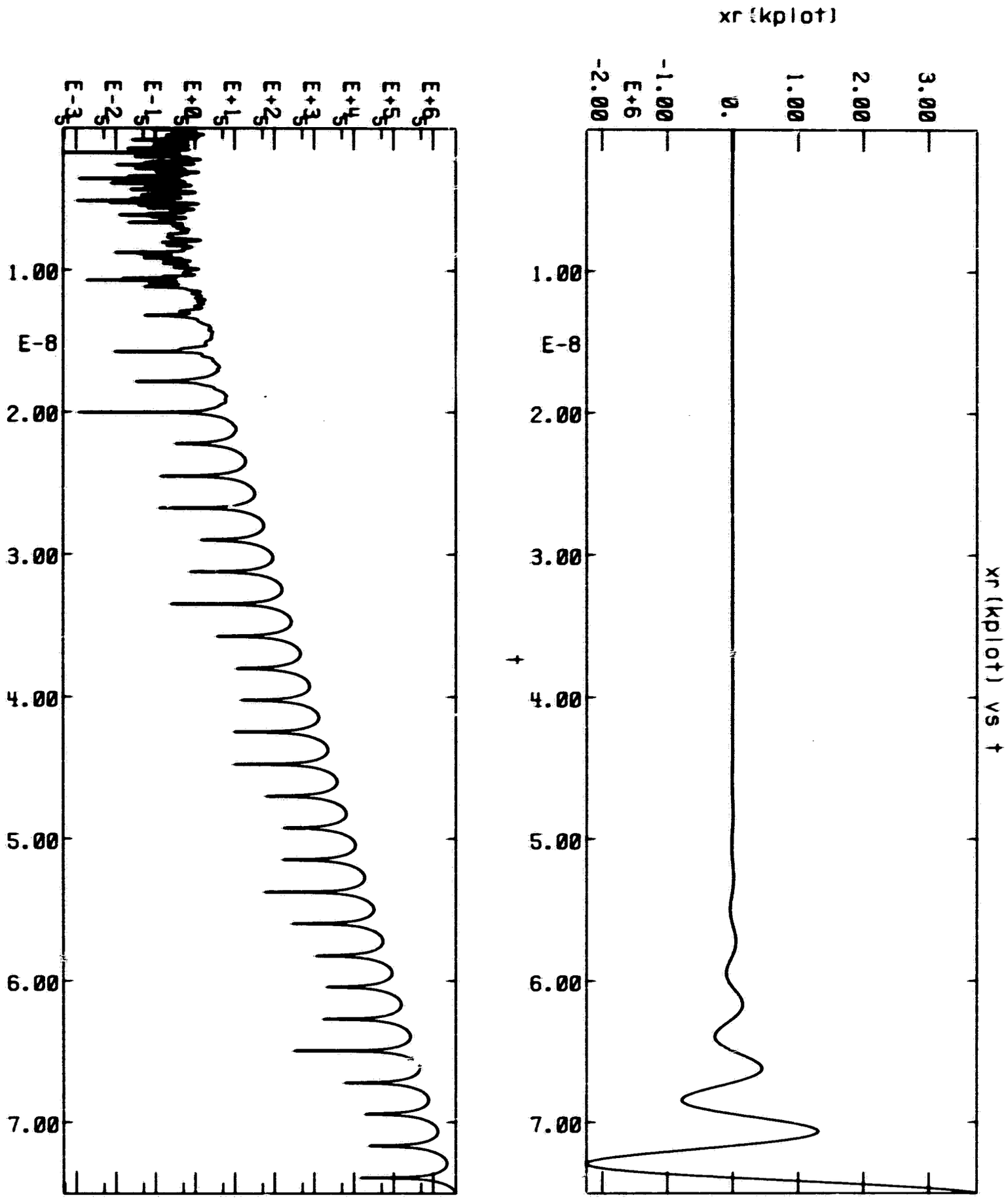

xr(z(15),r) vs r. each 60th time
xr(zp,r)
r
xr(z(15),r) vs r. each 60th time
xr(zp,r)
r
xr(z(15),r) vs r. each 60th time
xr(zp,r)
r
xr(z(15),r) vs r. each 60th time
xr(zp,r)
r


xr(z(15),r) vs r. each 60th time
xr(zp,r)
r
xr(z(15),r) vs r. each 60th time
xr(zp,r)
r
xr(z(15),r) vs r. each 60th time
xr(zp,r)
r
xr(z(15),r) vs r. each 60th time
xr(zp,r)
r


xr(z(7),r) vs r. each 60th time
xr(zp,r)
r
xr(z(7),r) vs r. each 60th time
xr(zp,r)
r
xr(z(7),r) vs r. each 60th time
xr(zp,r)
r
xr(z(7),r) vs r. each 60th time
xr(zp,r)
r


xr(zp,r)
xr(zl 71,r) vs r, each 60th time
r
xr(zp,r)
xr(zl 71,r) vs r, each 60th time
r


xr(zp,r)
xr(zl 71,r) vs r, each 60th time
r
xr(zp,r)
xr(zl 71,r) vs r, each 60th time
r


xr (kplot)
E-3
E-2
E-1
E+0
E+1
E+2
E+3
E+4
E+5
E+6
-2.00
E+6
-1.00
0.
1.00
2.00
3.00
1.00
E-8
2.00
3.00
4.00
5.00
6.00
7.00
xr (kplot) vs t

```
box u21$

graflib:gcs02042kcs02042
16 frames

18:10:0210/22/82 c
```