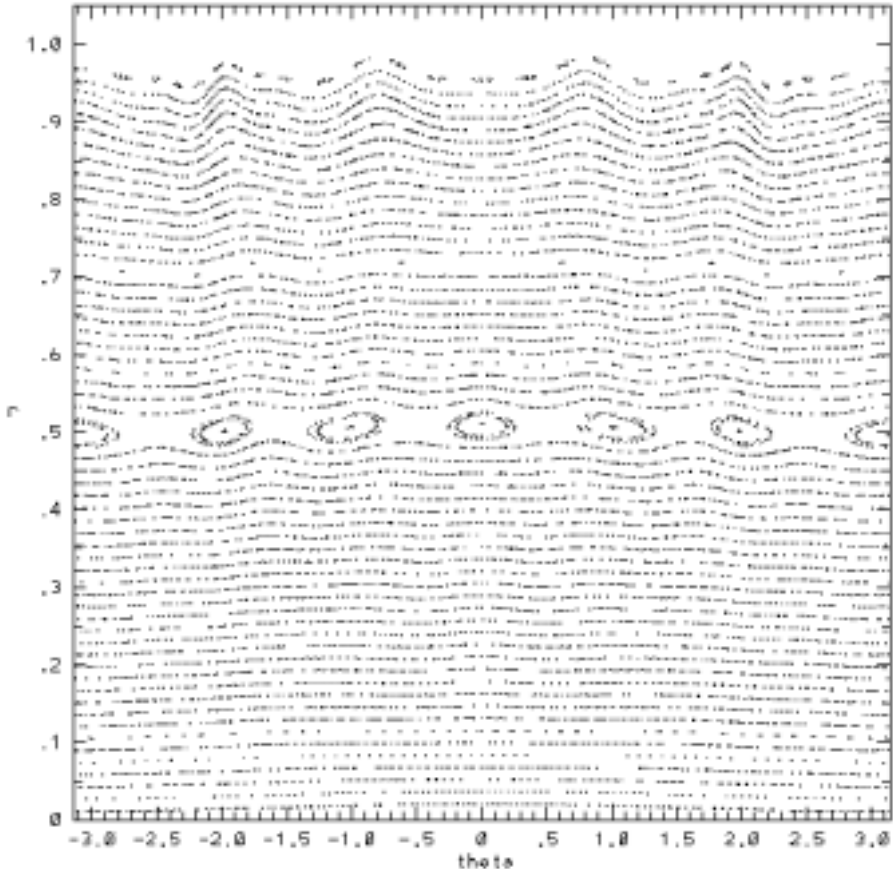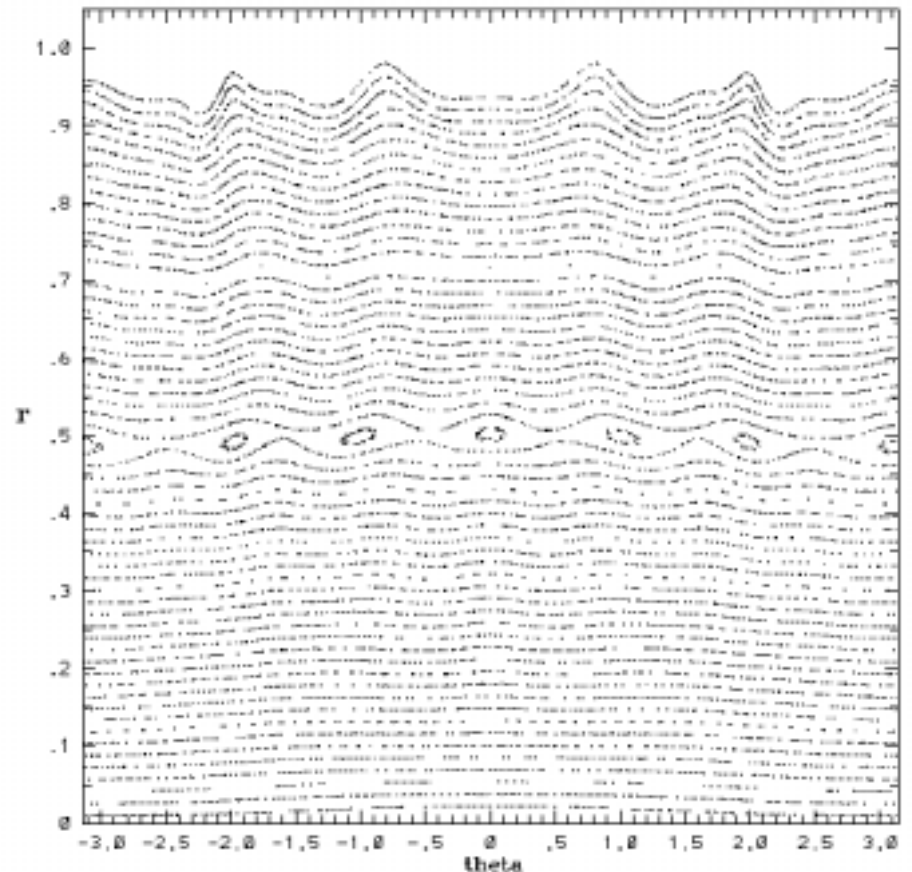# Status of Pies

- Two problems surfaced after PVR regarding beta-current scan runs:

  - Runs were made with unhealed coil sets, not healed coil sets as intended

  - Convergence testing by running one additional iteration at 0.0 blend was not sufficient. 2 addition iterations are needed for the field from both the coils and the plasma to be reflected.

- Proper testing of all cases revealed Pies had not converged. Runs are being extended.

- Comparison of unhealed and healed coil sets shows healing improved most other states as well.

B20i167h after 100 iter.

it=100 rpoinc: background coordinates

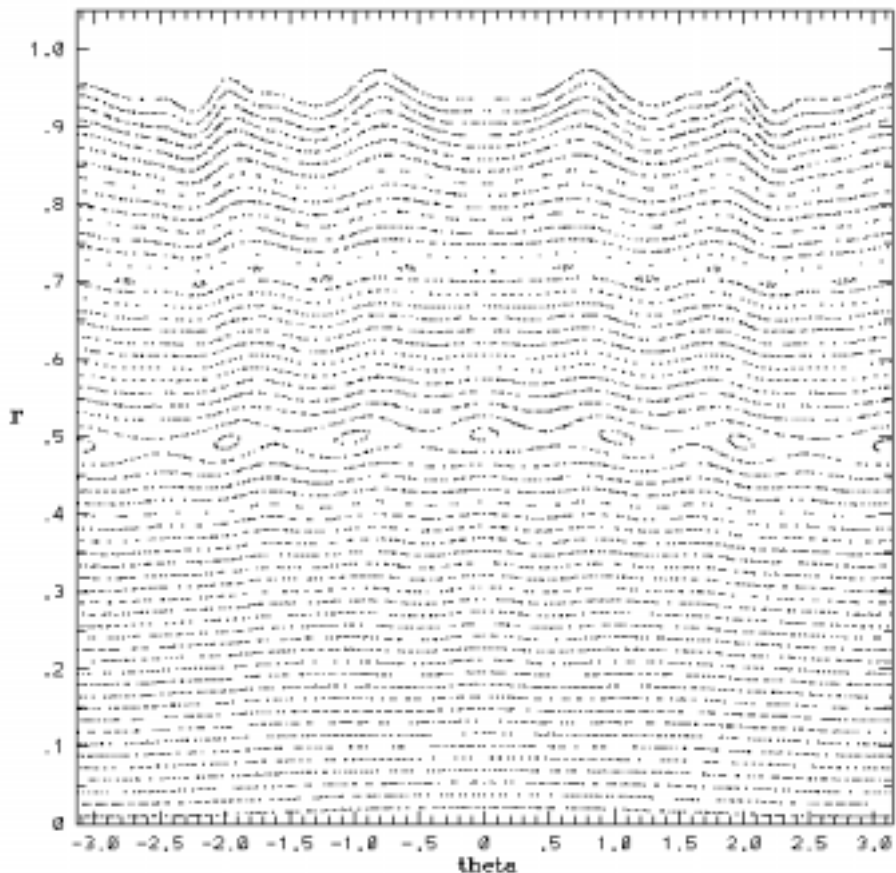b20i167h   Plot 503

it=102 rpoinc: background coordinates

b20i167hc   Plot 8
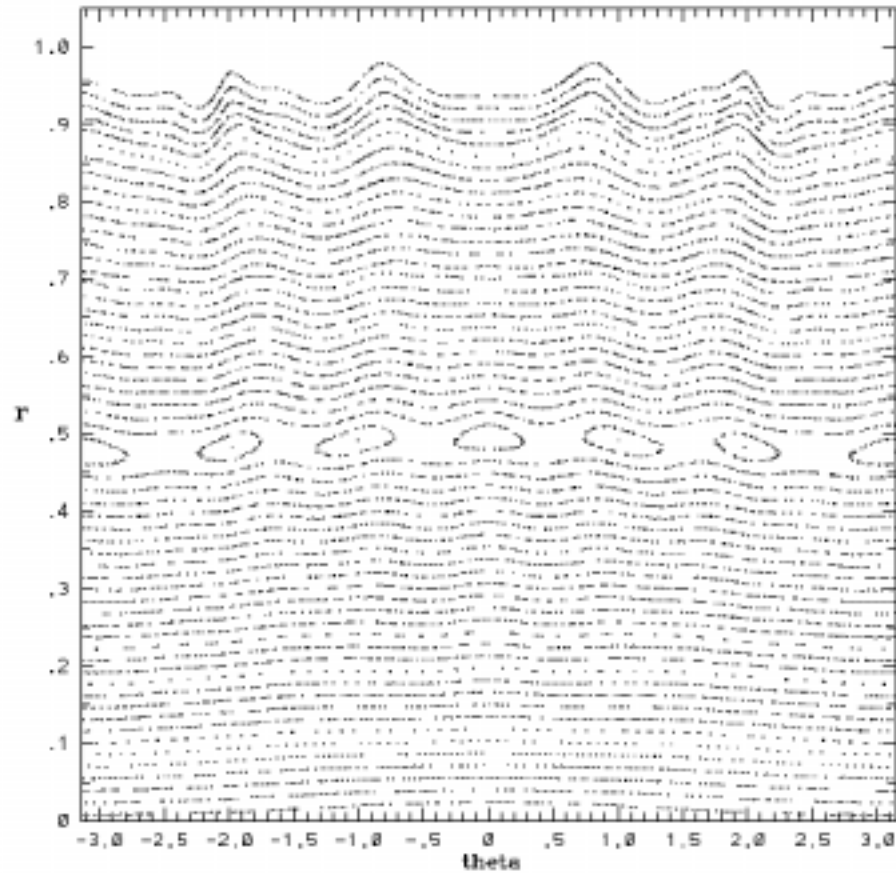
0.99 blend   2 more iterations at 0. blend

B20i167h after 200 iter.
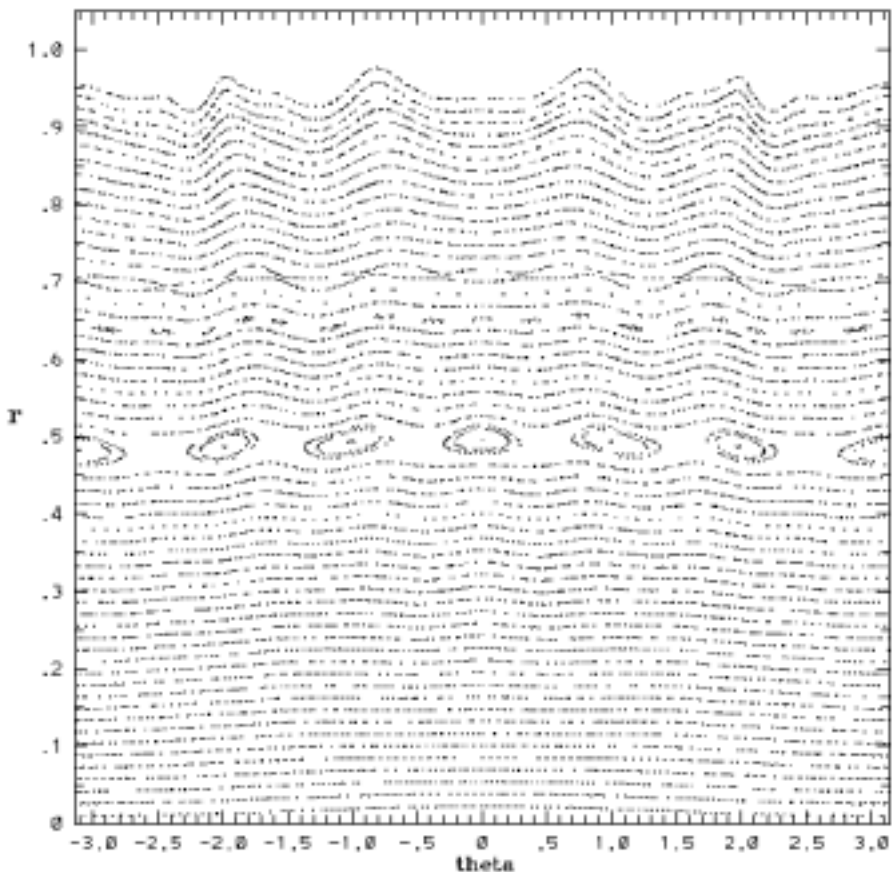

it=201 rpoinc: background coordinates
b20i167h 2c   Plot 3

it=202 rpoinc: background coordinates
b20i167h 2c   Plot 8

0.99 blend   2 more iterations at 0. blend   3

B20i167h after 300 iter.

it=300   rpoinc: background coordinates
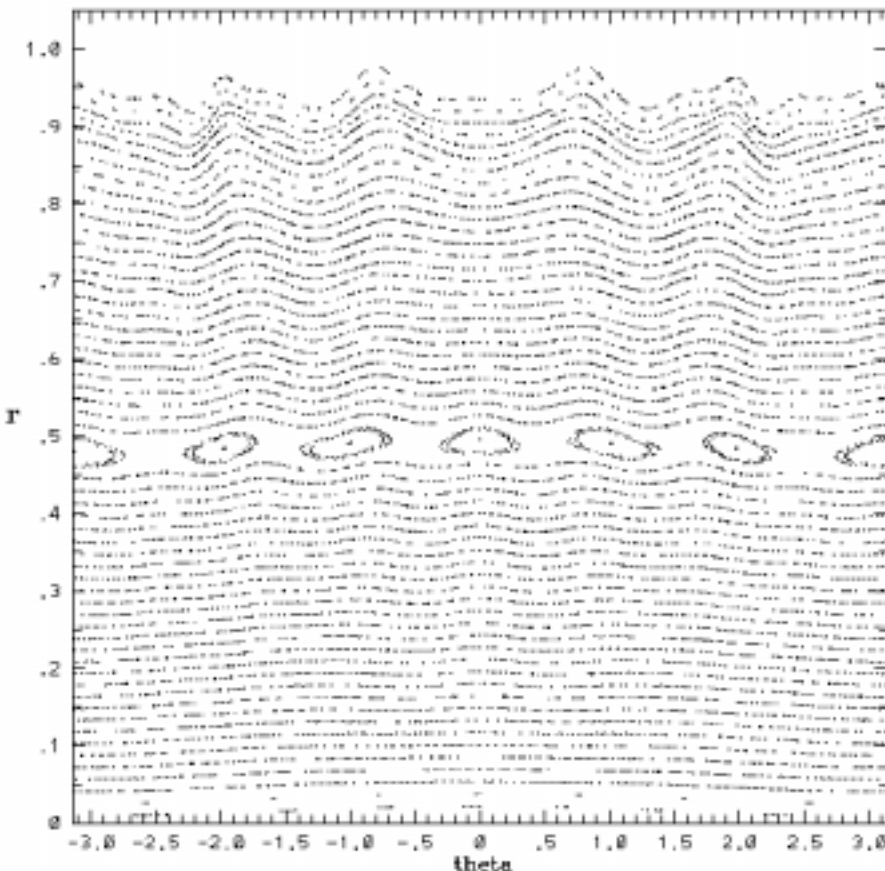b20i167h 3   Plot 223
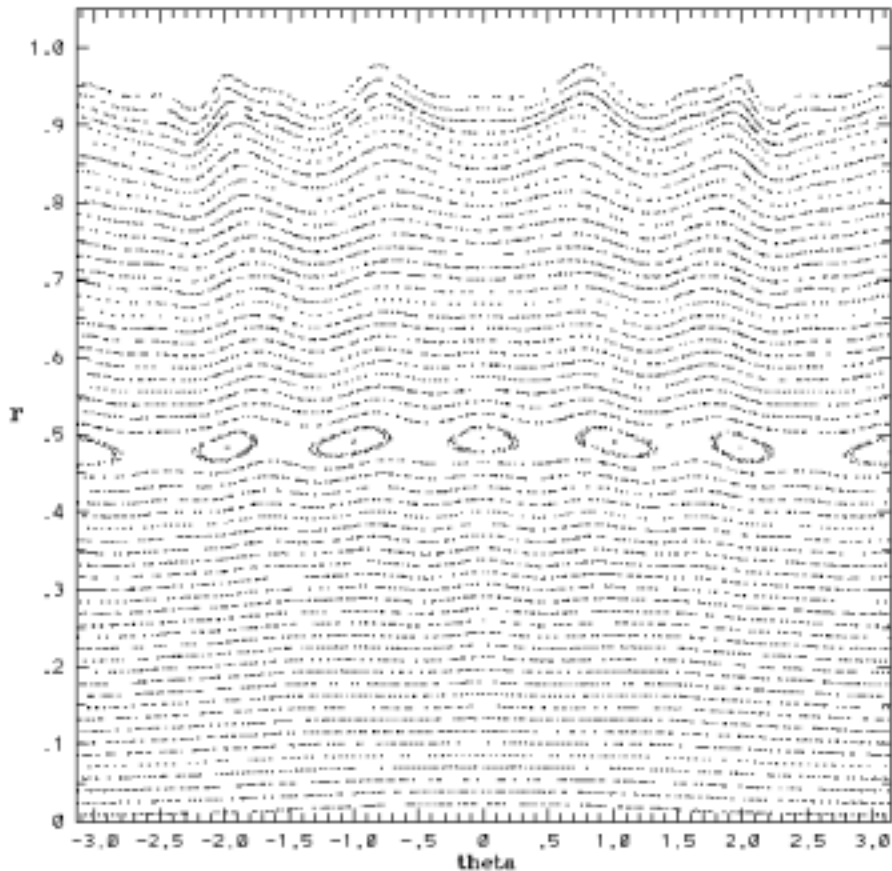
it=302   rpoinc: background coordinates
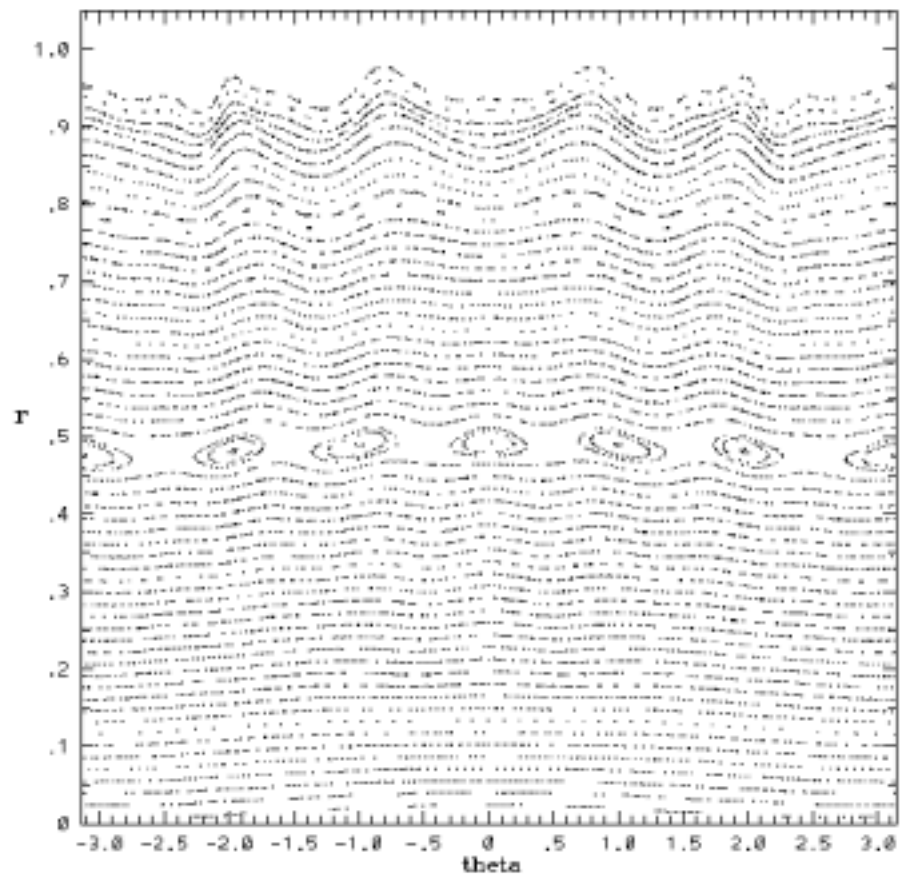b20i167h 3c   Plot   8

0.99 blend

2 more iterations at 0. blend   4

B20i167h after 400 iter.

it=400 rpoinc: background coordinates
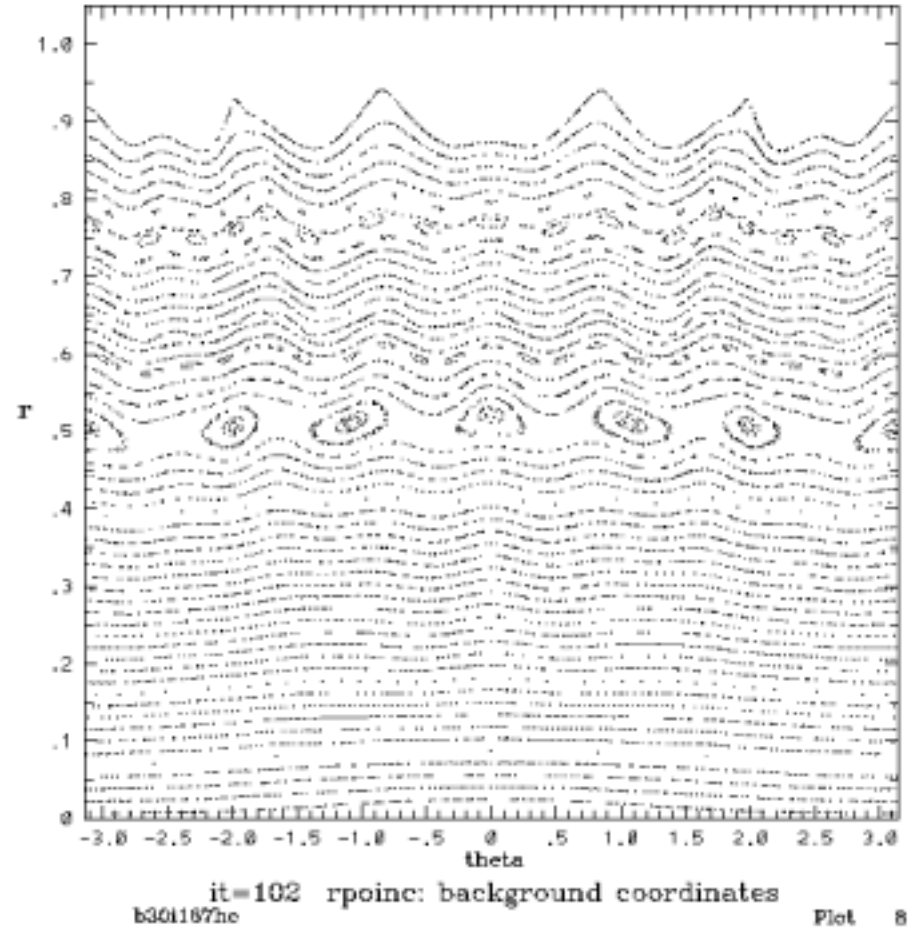b20i167h 4   Plot 400

it=402 rpoinc: background coordinates
b20i167h 4c   Plot   8

0.99 blend

2 more iterations at 0. blend

B30i167h after 100 iter.

it=100 rpoinc: background coordinates

b30i167h   Plot 503

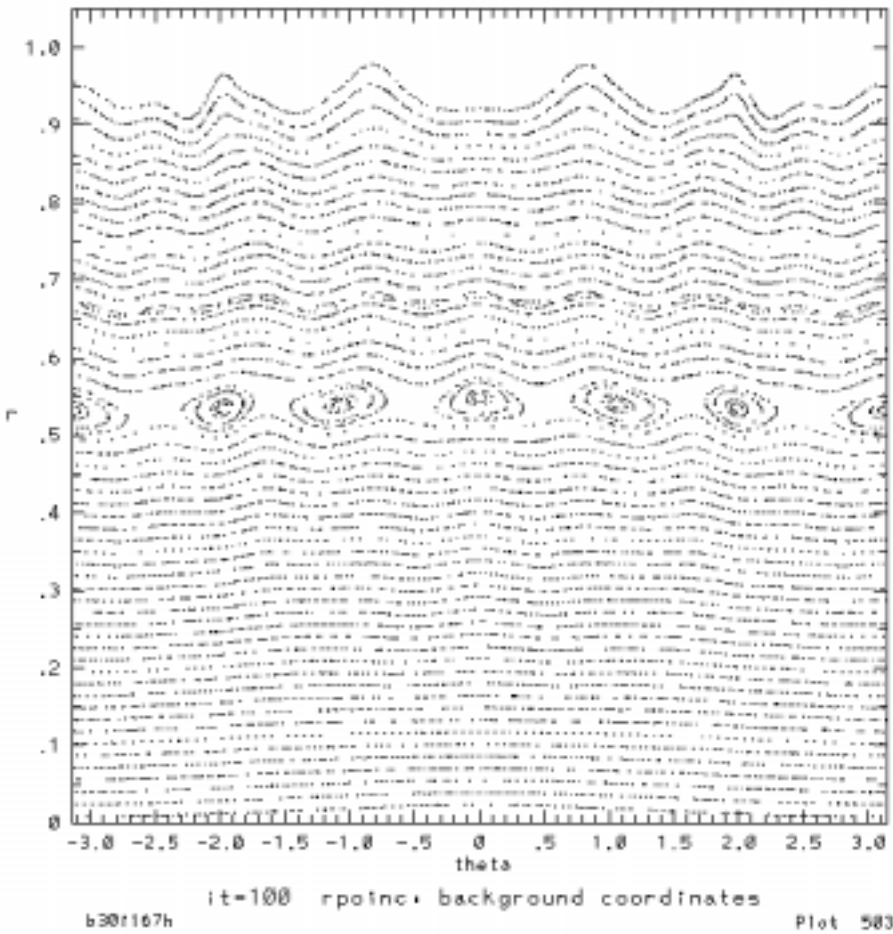it=102 rpoinc: background coordinates

b30i167hc   Plot 8

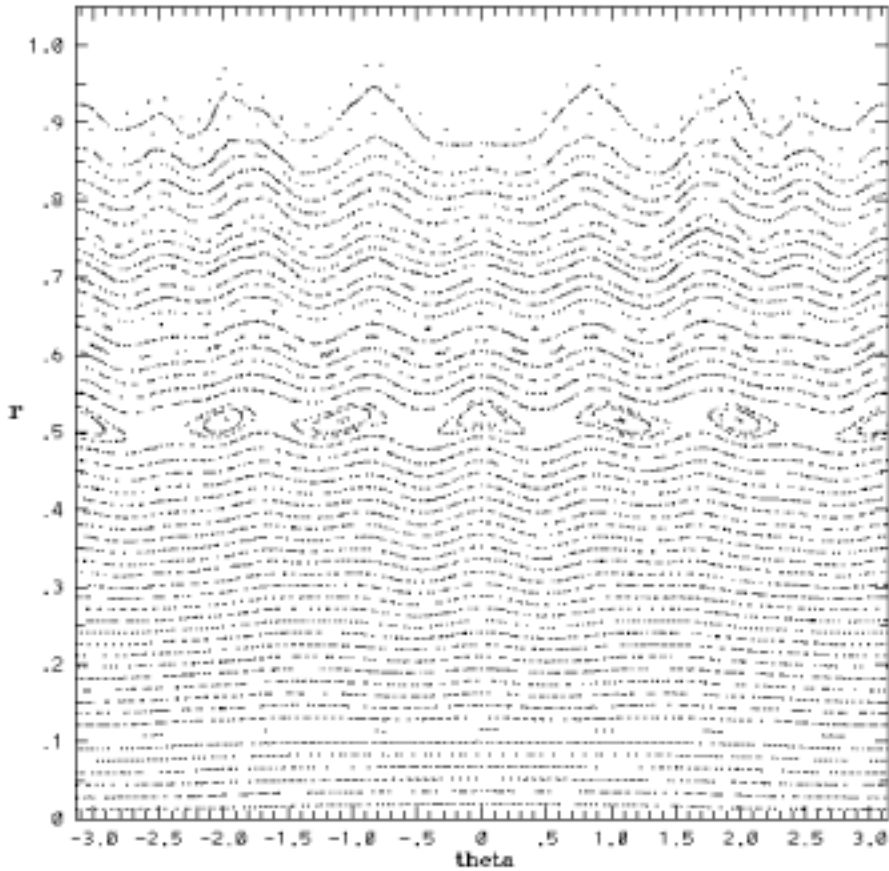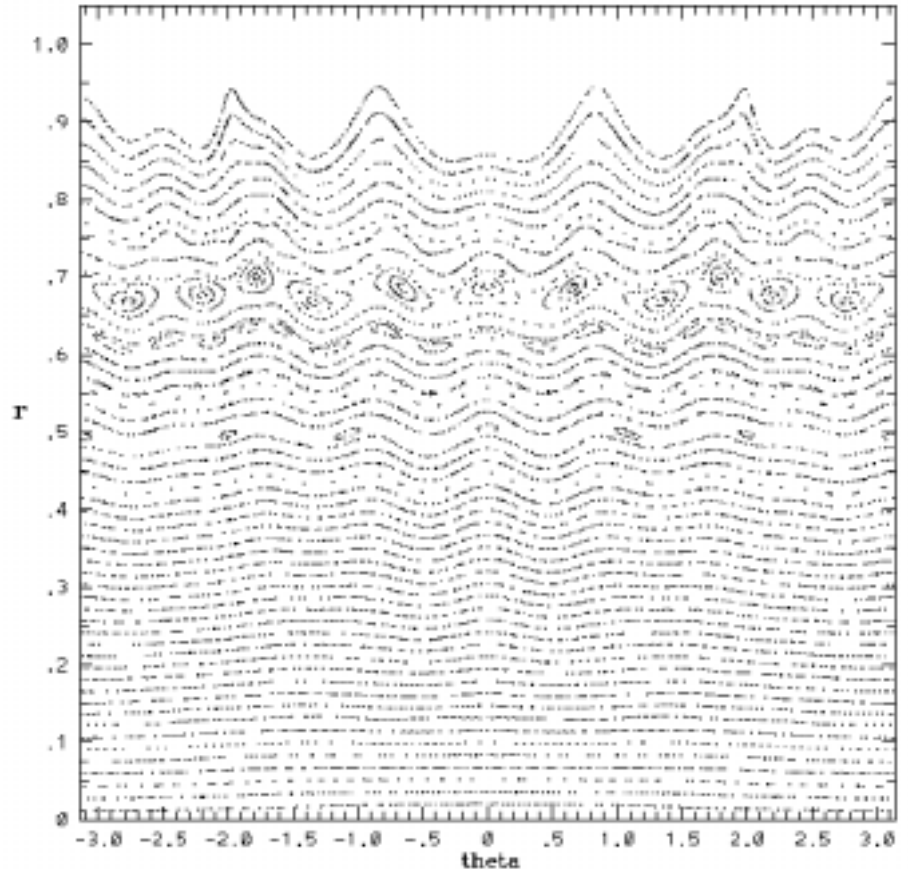AWB 04/26/00 0.99 blend   2 more iterations at 0. blend   6

B30i167h after 300 iter.

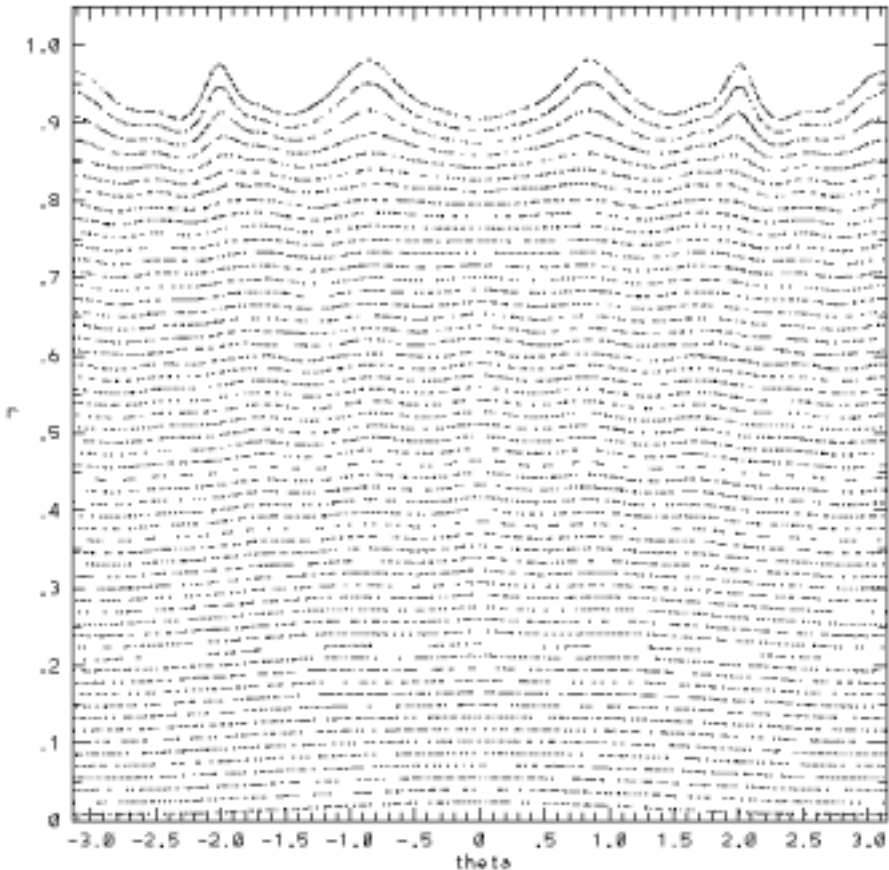it=300   rpoinc: background coordinates
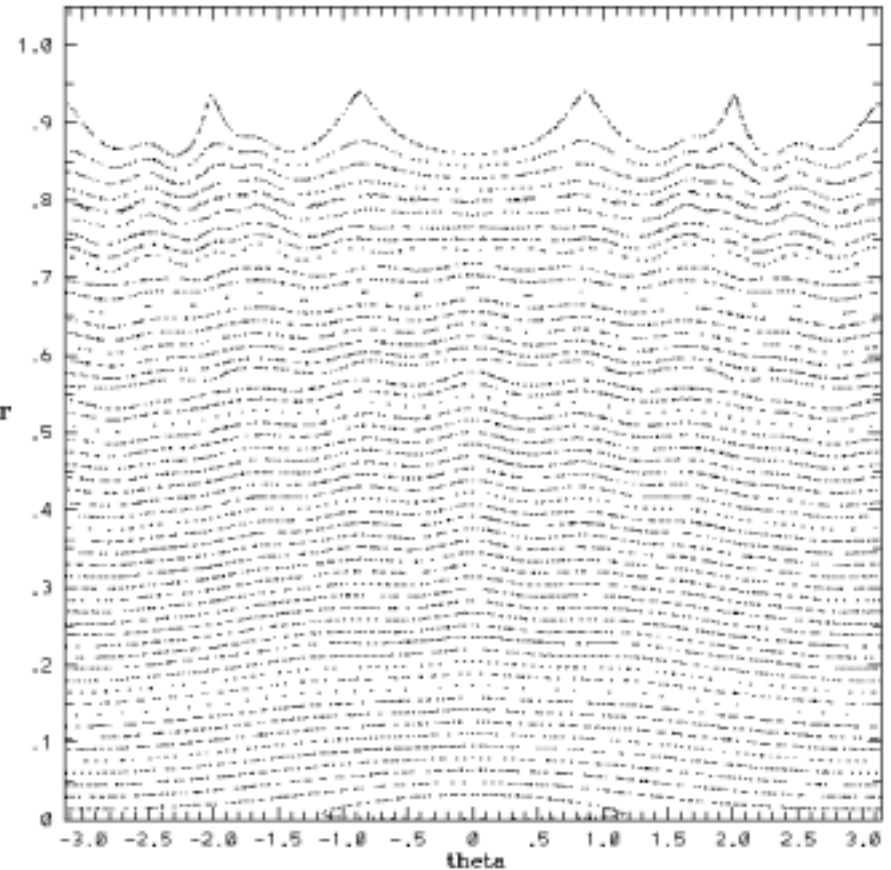b30i167h 3   Plot 658

it=302   rpoinc: background coordinates
b30i167h 3c   Plot   8

0.99 blend   2 more iterations at 0. blend

B30i183h after 100 iter.

it=100   rpoinc: background coordinates
b30i183h   Plot 503

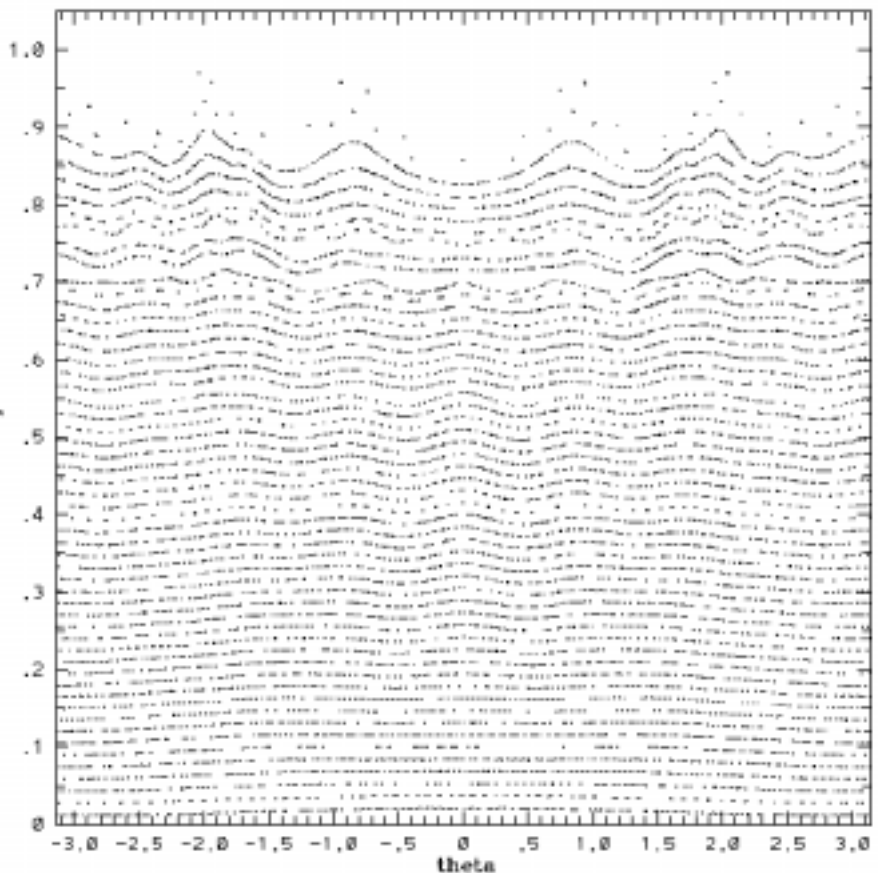it=102   rpoinc: background coordinates
b30i183hc   Plot   8

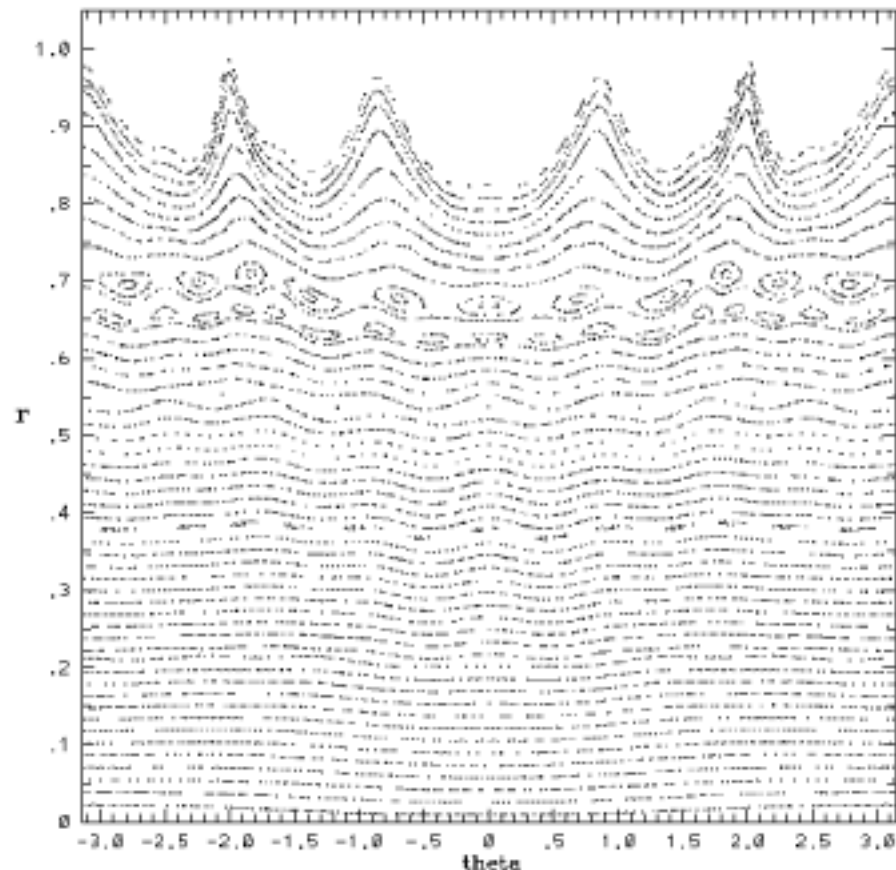AWB 04/26/00 0.99 blend   2 more iterations at 0. blend   8

B30i183h after 300 iter.
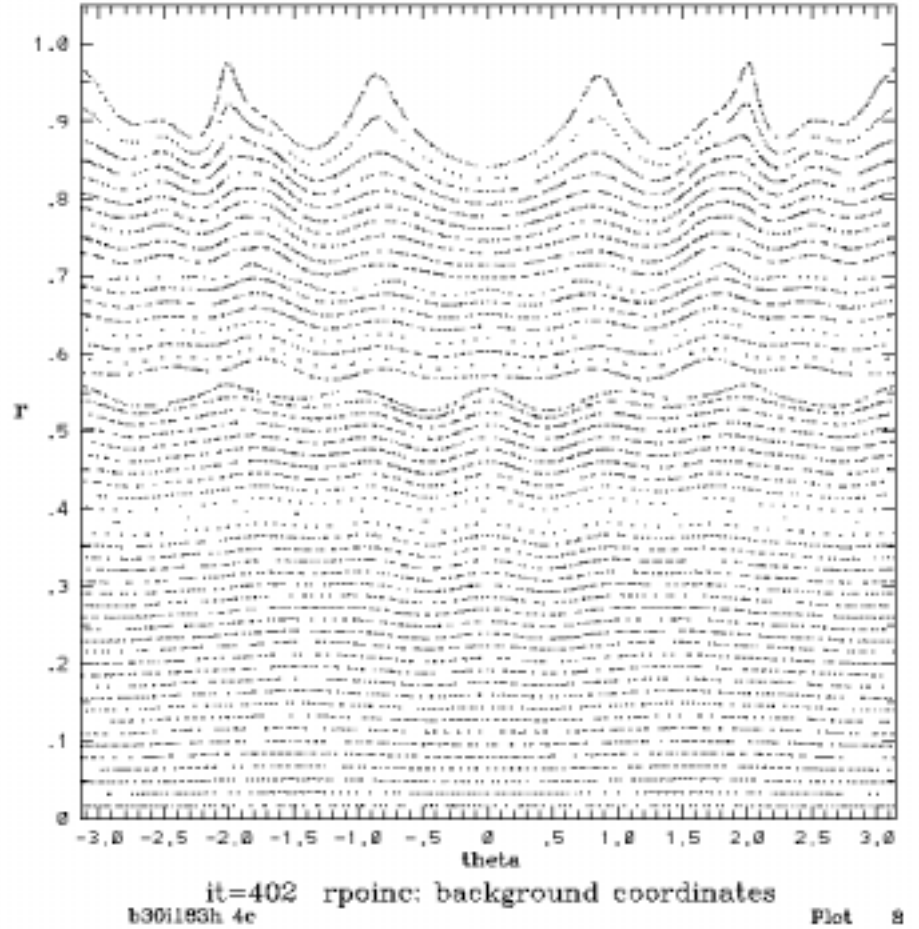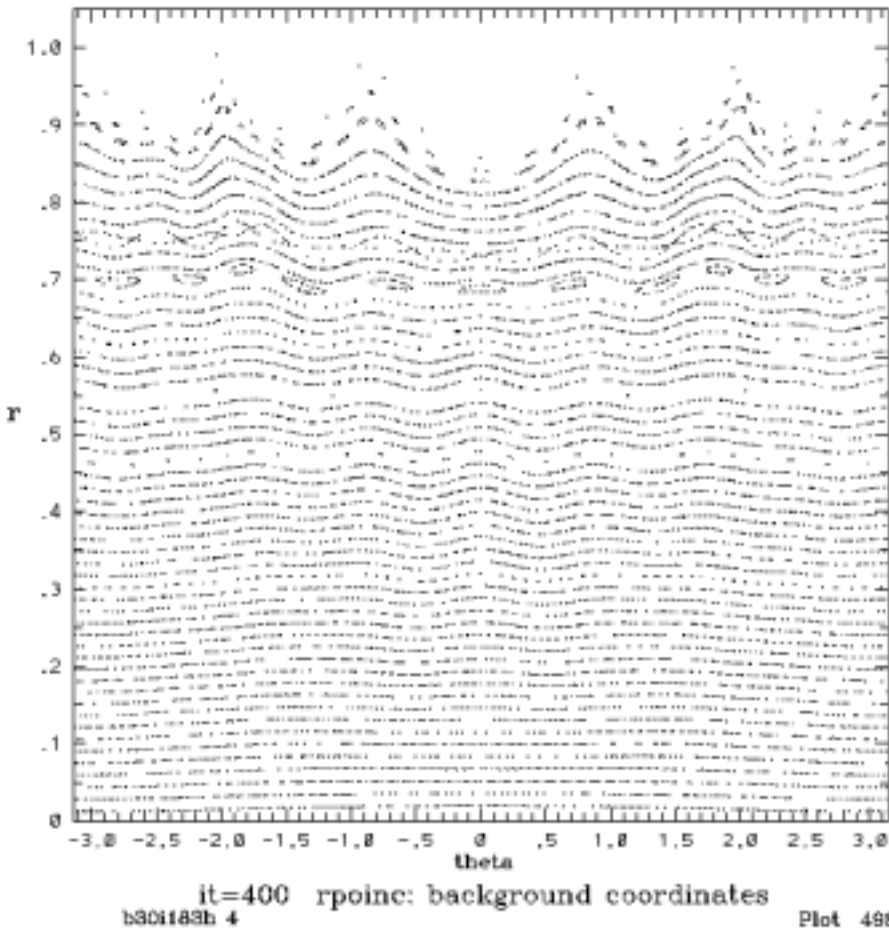

it=300 rpoinc: background coordinates

b30i183h 3   Plot 509

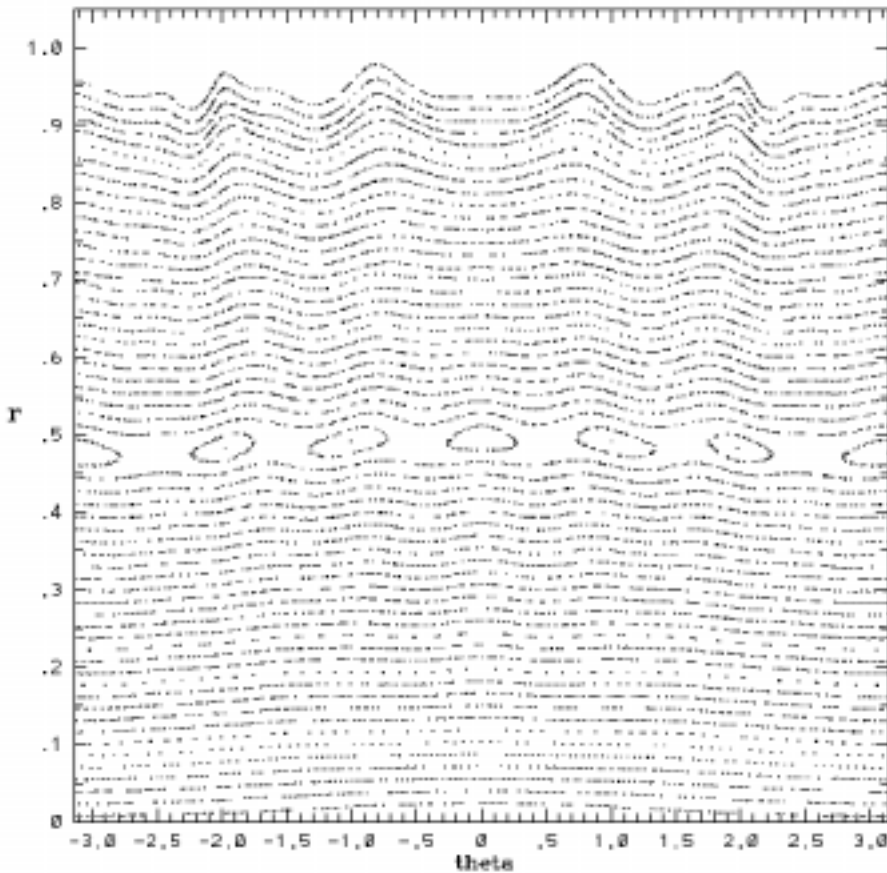it=302 rpoinc: background coordinates
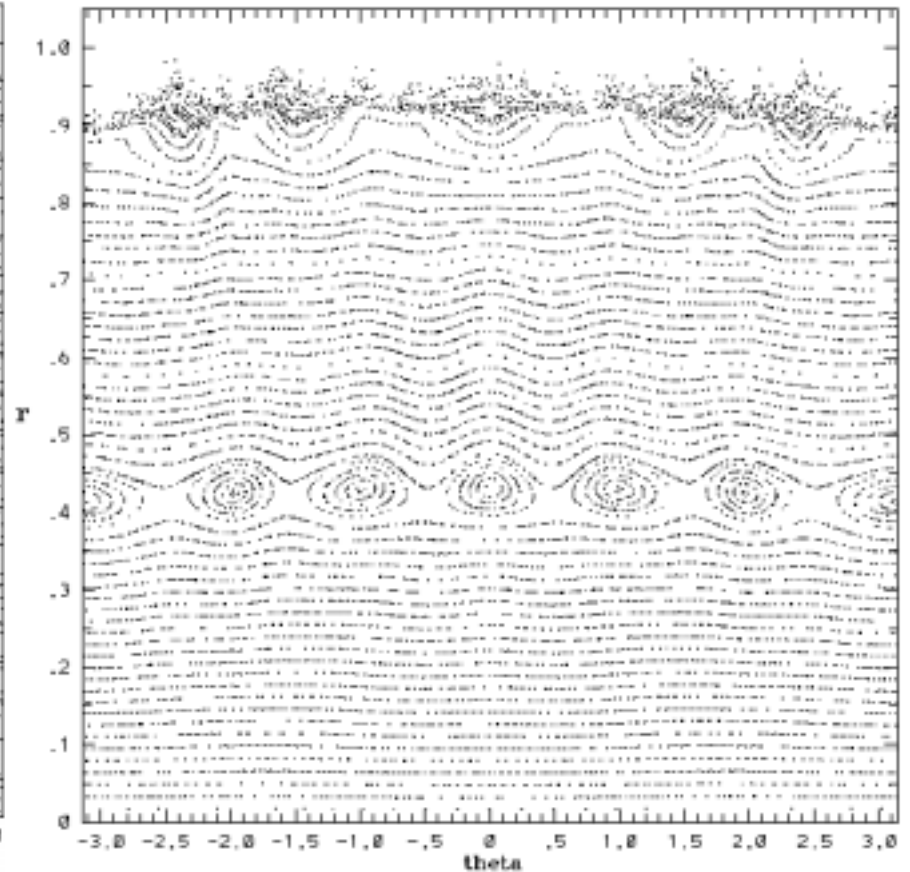
b30i183h 3c   Plot 8

0.99 blend   2 more iterations at 0. blend

B30i183h after 400 iter.

it=400 rpoinc: background coordinates
b30i183h 4
Plot 49

it=402 rpoinc: background coordinates
b30i183h 4c
Plot 8

B20i167 Healed vs Unhealed at 202 iter

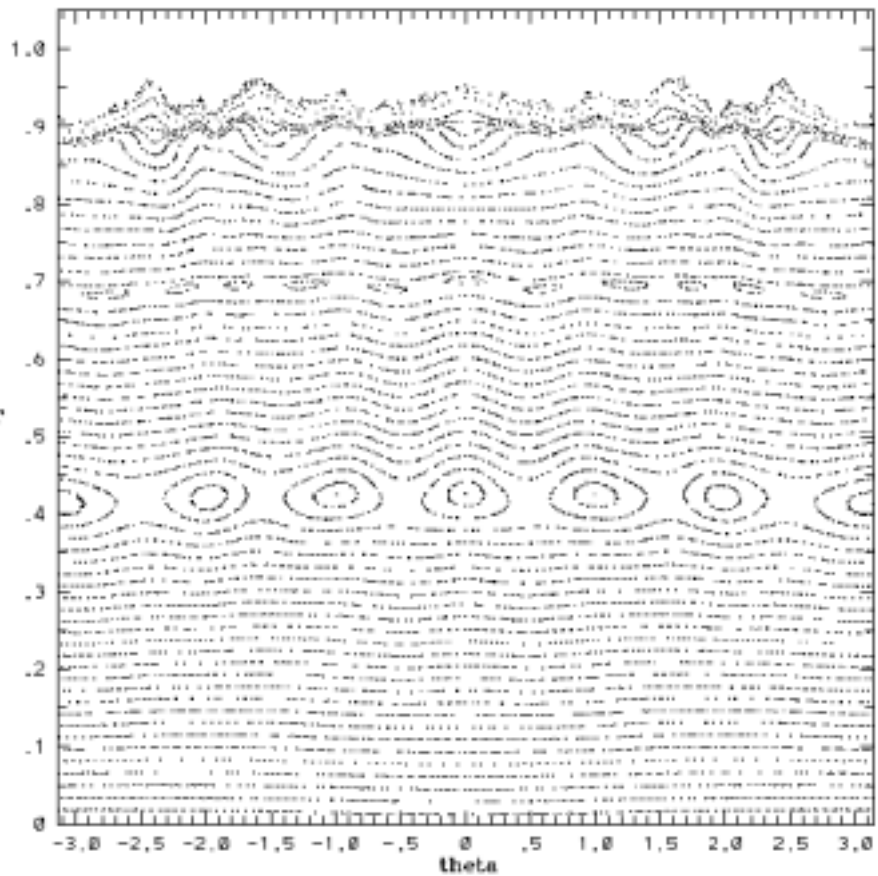it=202 rpoinc: background coordinates
b20i167h 2c
Plot

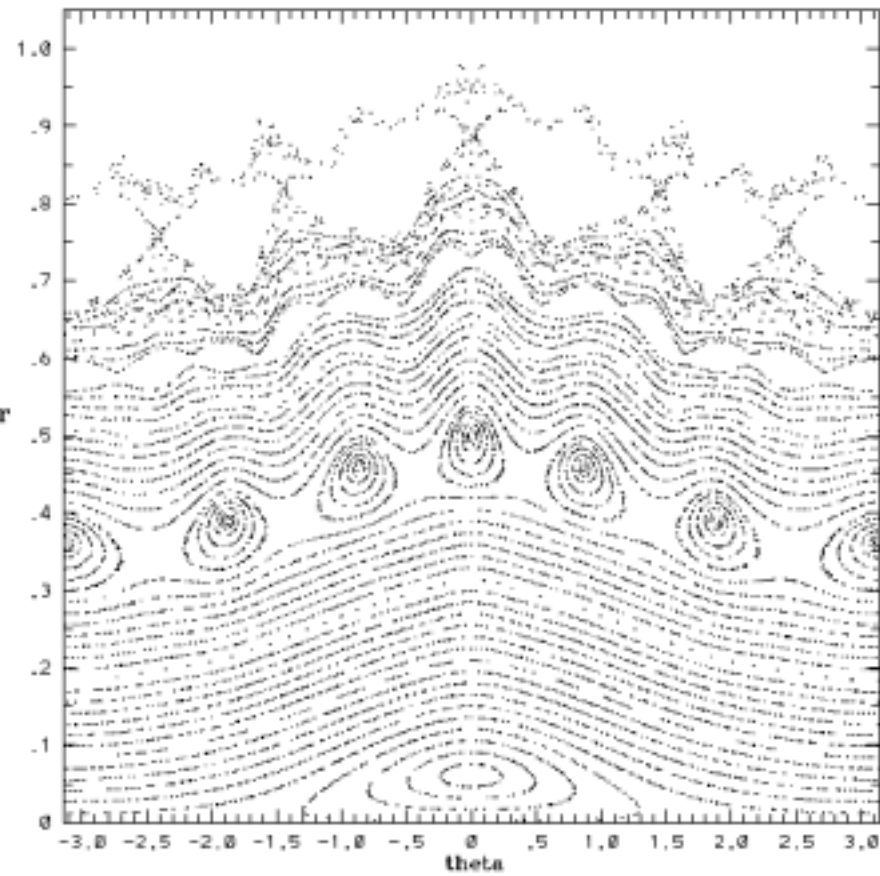it=202 rpoinc: background coordinates
b20i167 2c
Plot 9

2 more iterations at 0. blend   2 more iterations at 0. blend

Pies still has some kinks to work out

388 iterations at 0.99 blend

next iterations at 0.99 blend