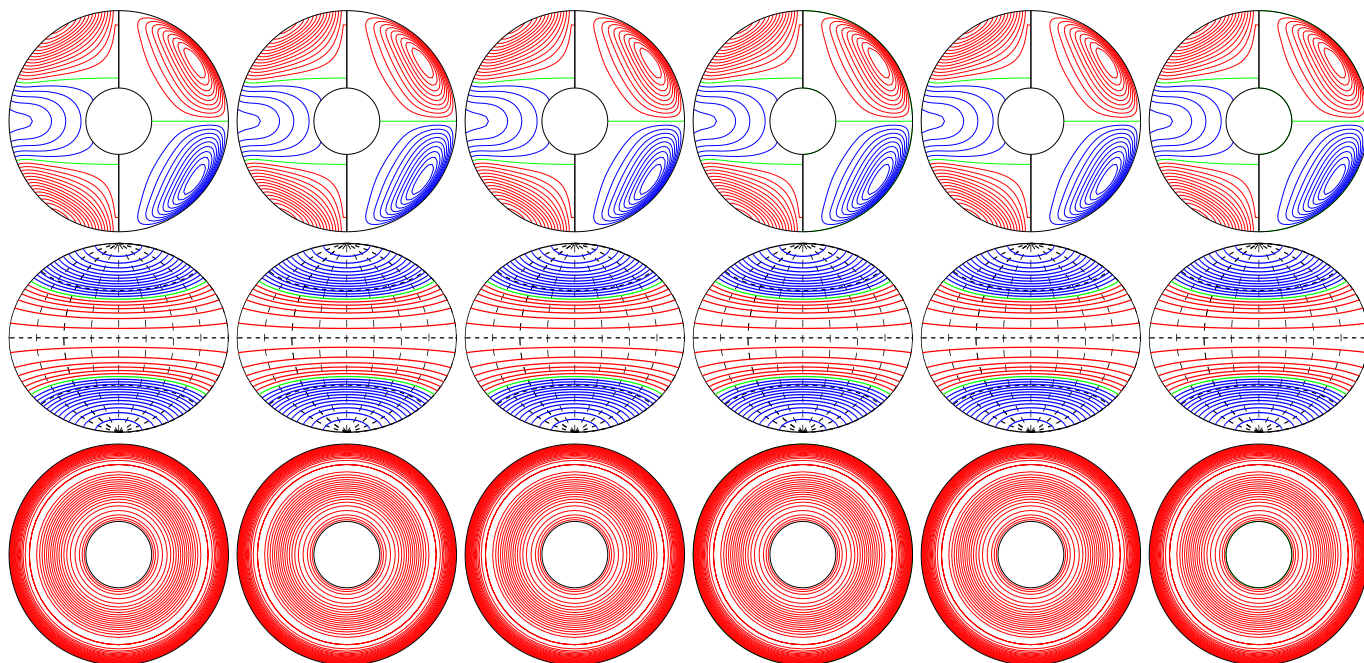
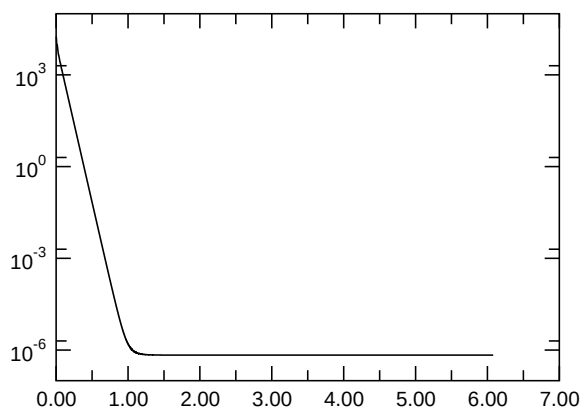


a.e03p1t03r-50000m16n2N2z1.0e0Y.20  
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

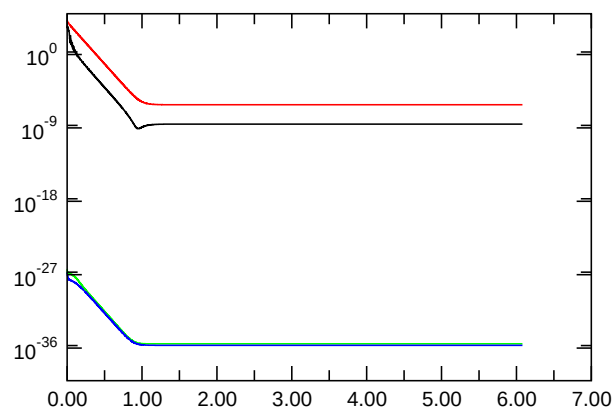
April 27, 2016



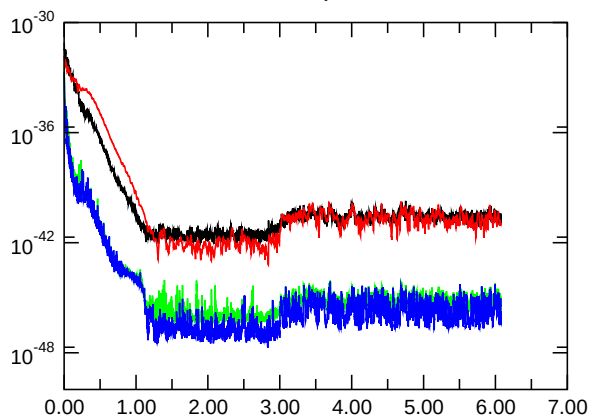
a.e03p1t03r-50000m16n2N2z1.0e0Y  
 $E_{\text{kin}}$



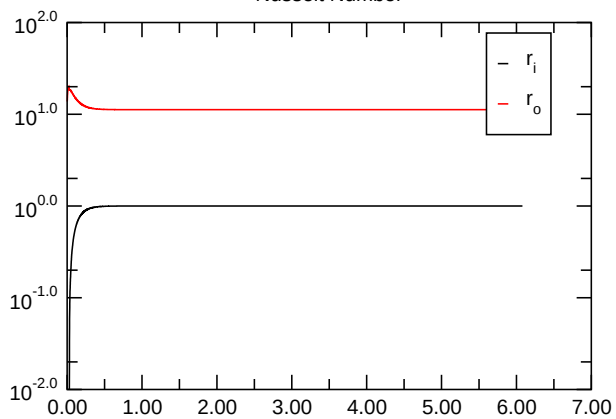
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

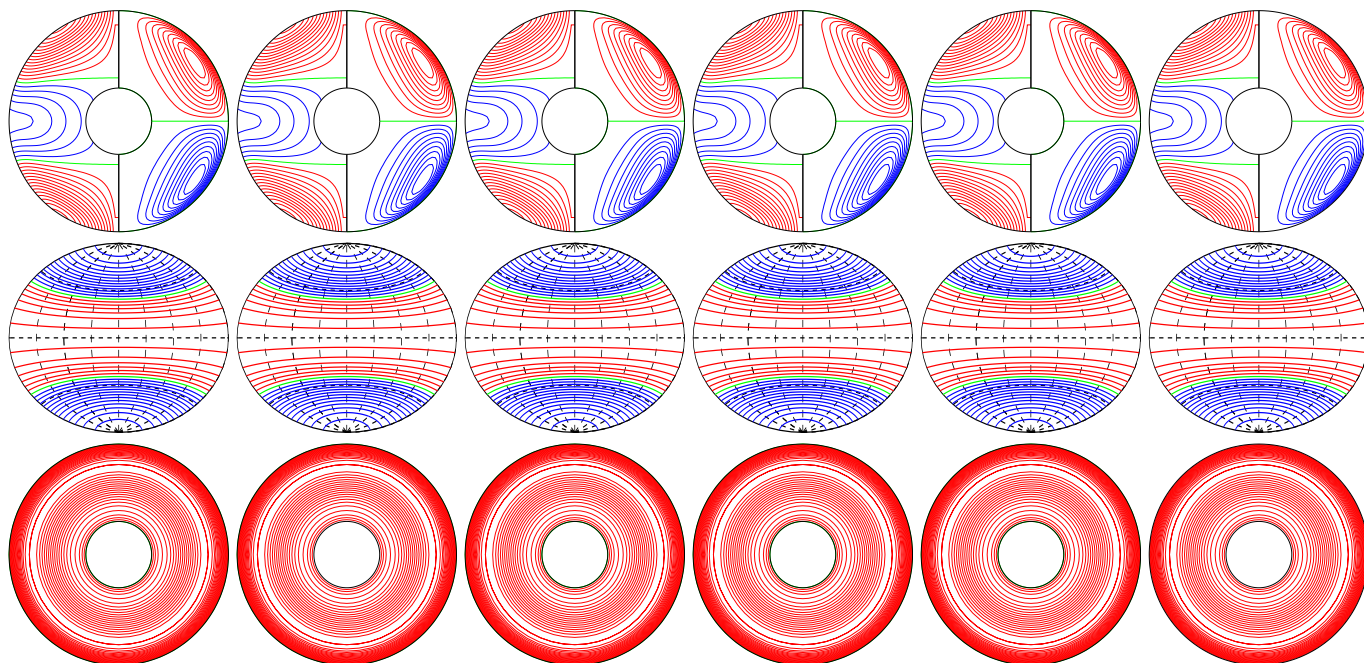


Nusselt Number

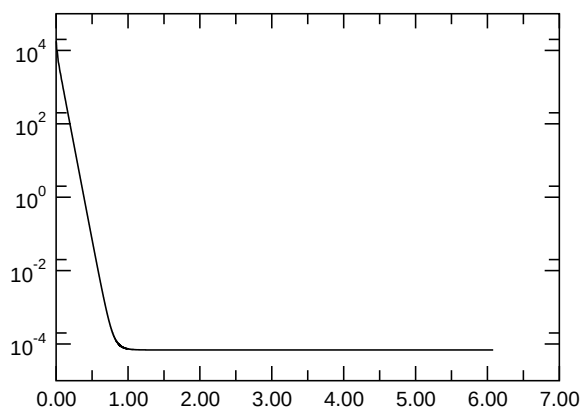


a.e03p1t03r-50000m16n2N2z1.0e1Y.20  
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

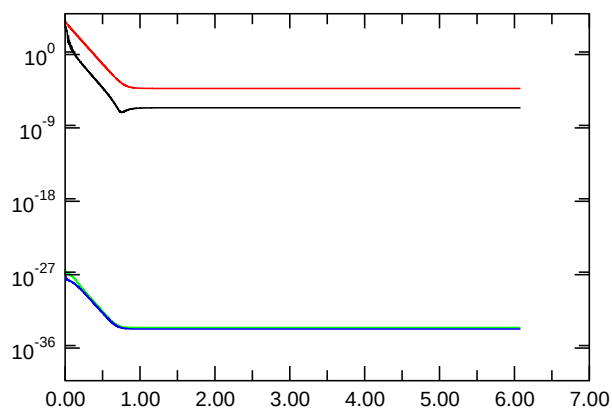
April 27, 2016



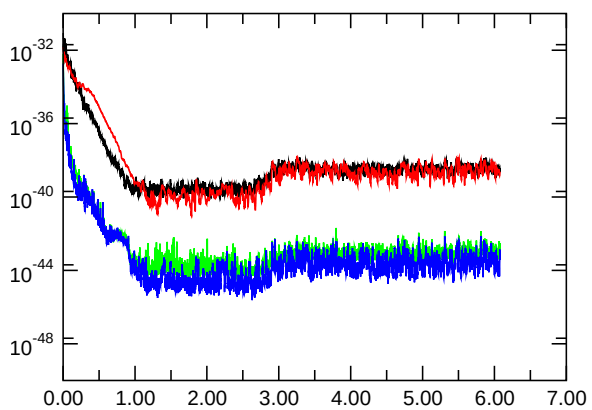
a.e03p1t03r-50000m16n2N2z1.0e1Y  
 $E_{\text{kin}}$



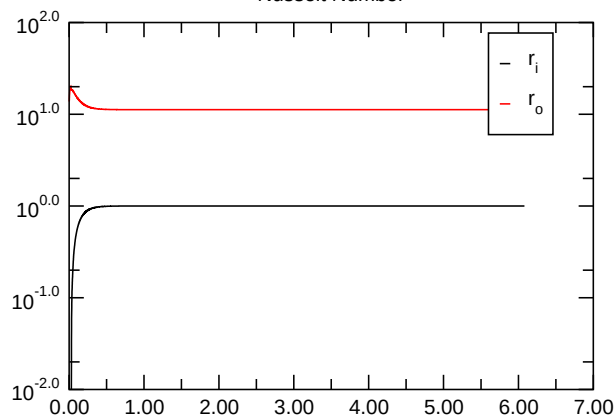
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



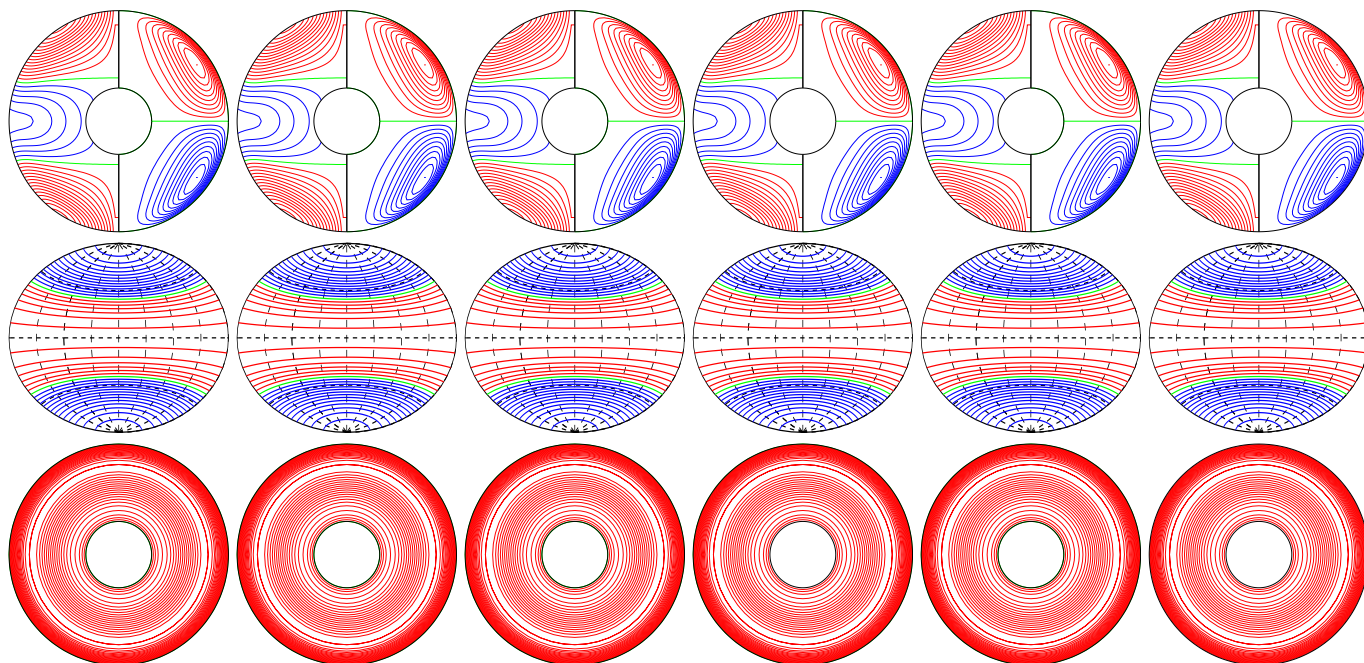
Nusselt Number



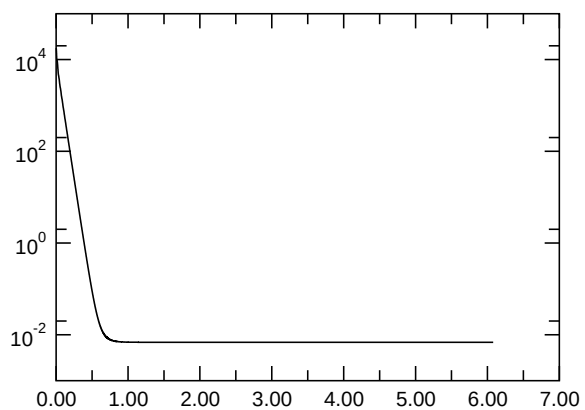


a.e03p1t03r-50000m16n2N2z1.0e2Y.20  
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

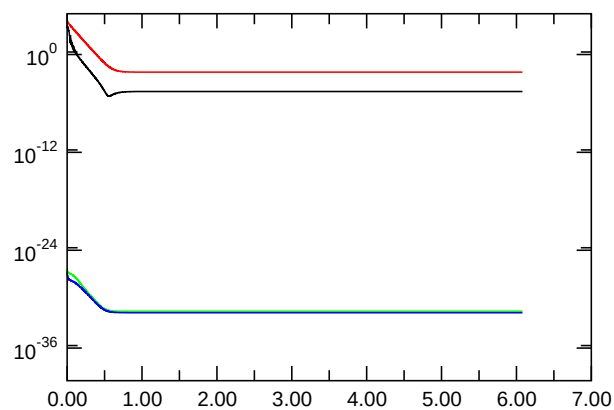
April 27, 2016



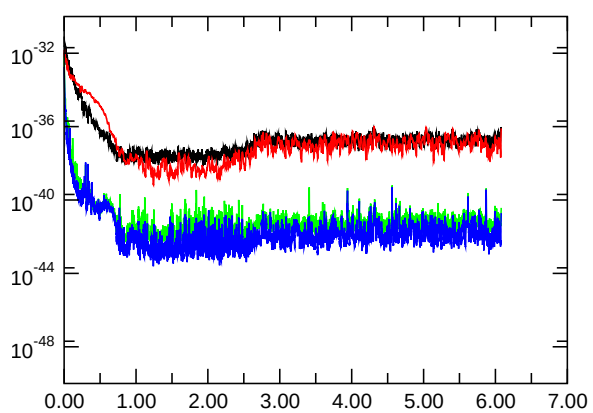
a.e03p1t03r-50000m16n2N2z1.0e2Y  
 $E_{\text{kin}}$



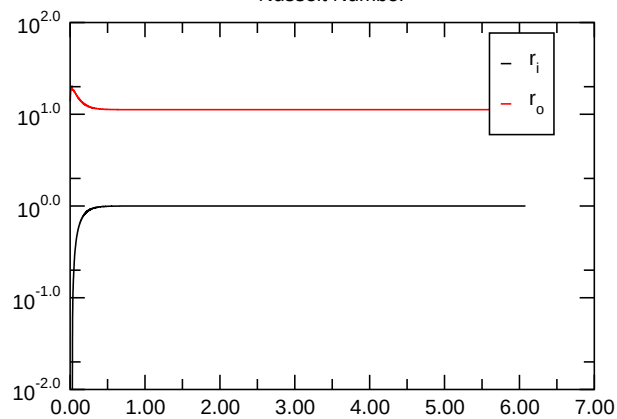
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

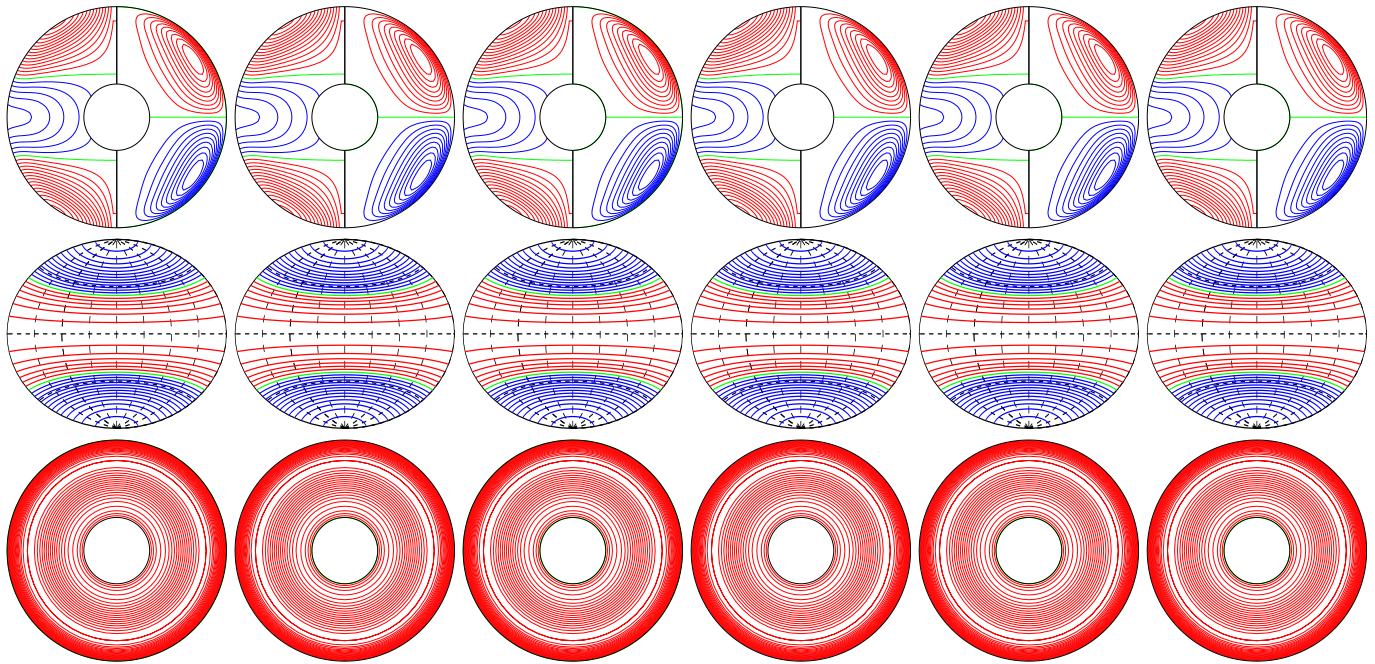


Nusselt Number

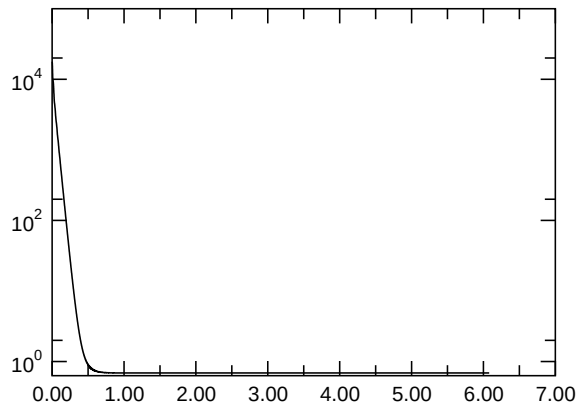


a.e03p1t03r-50000m16n2N2z1.0e3Y.20  
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

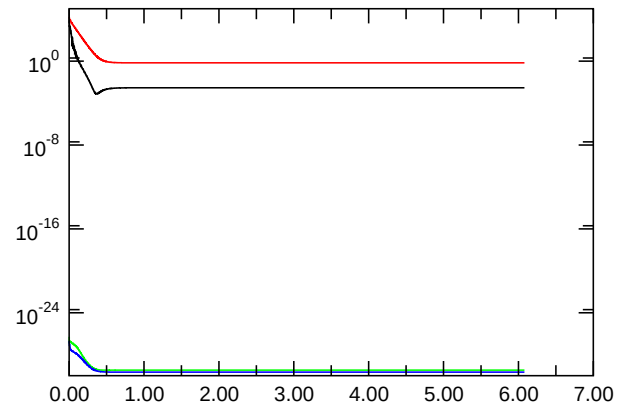
April 27, 2016



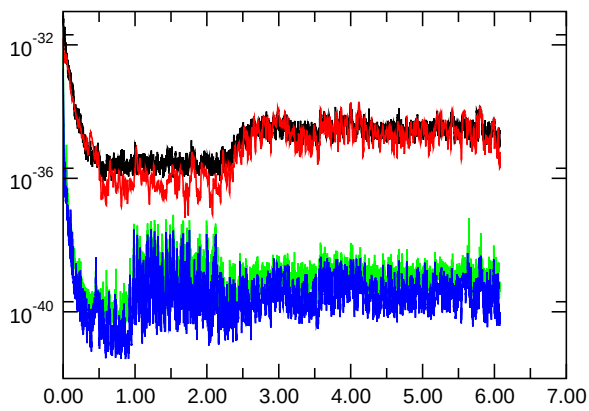
a.e03p1t03r-50000m16n2N2z1.0e3Y  
 $E_{\text{kin}}$



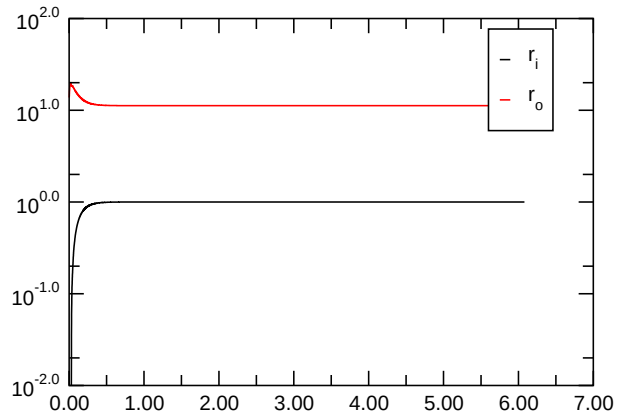
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

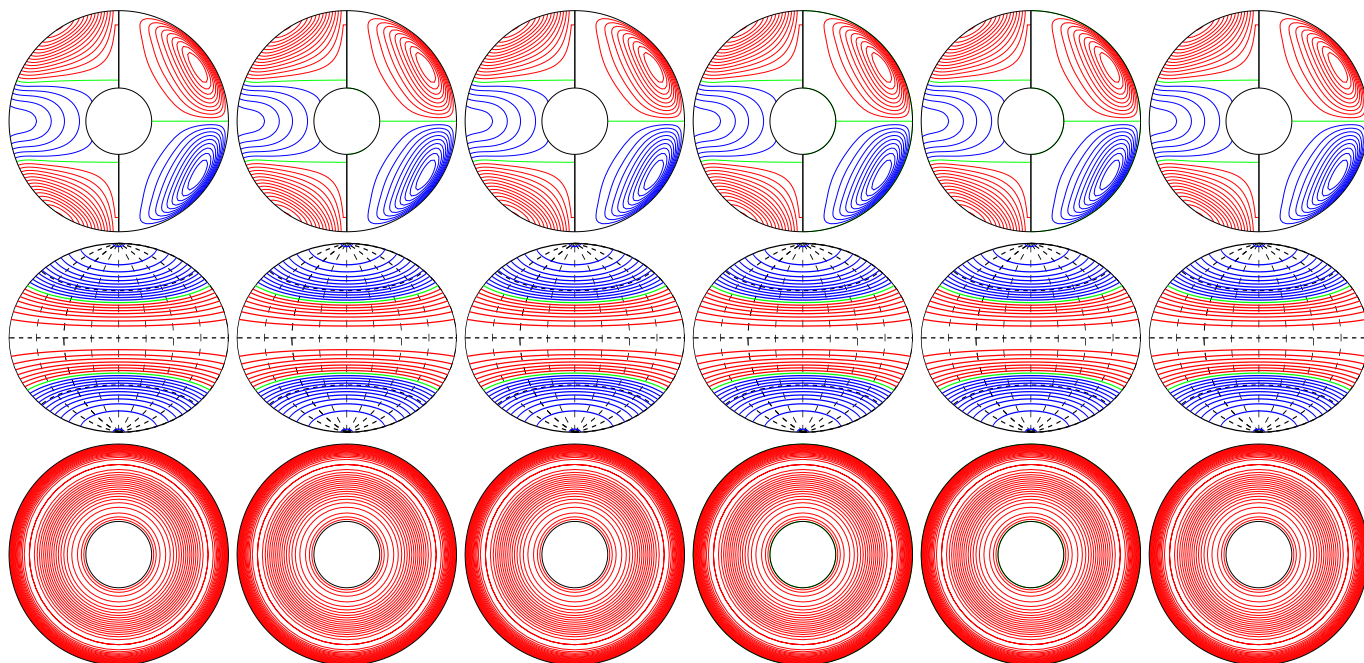


Nusselt Number

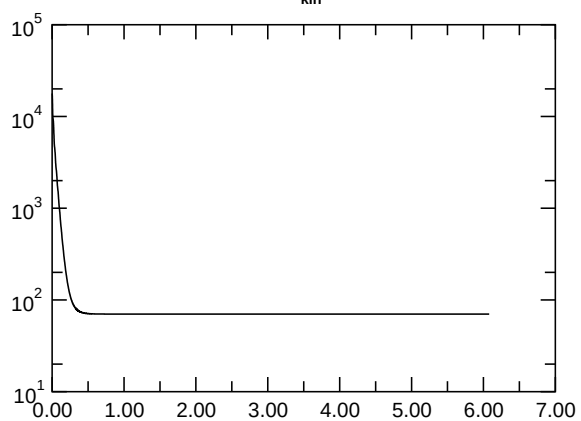


a.e03p1t03r-50000m16n2N2z1.0e4Y.20  
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

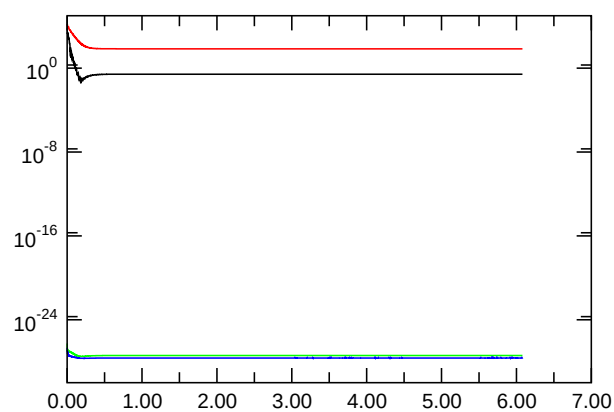
April 27, 2016



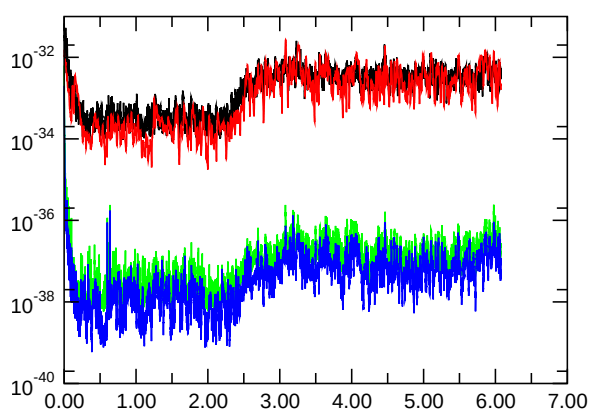
a.e03p1t03r-50000m16n2N2z1.0e4Y  
 $E_{\text{kin}}$



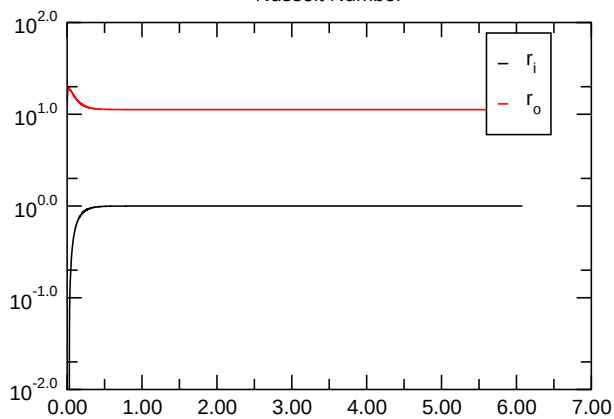
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



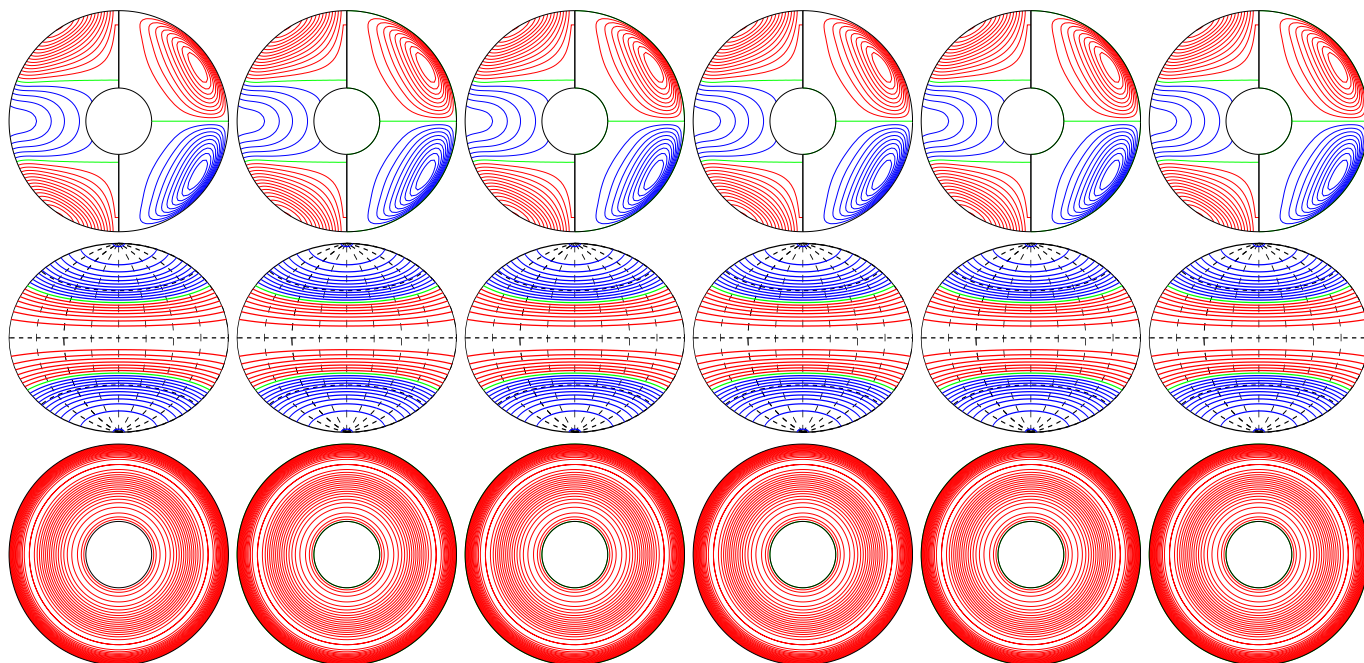
Nusselt Number



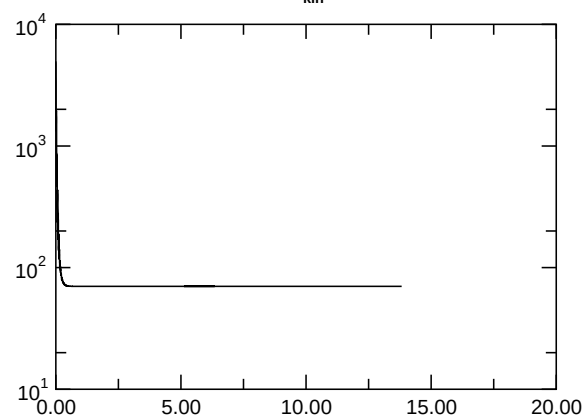
a.e03p1t03r-50000m1n2N2z1.0e4Y.11

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

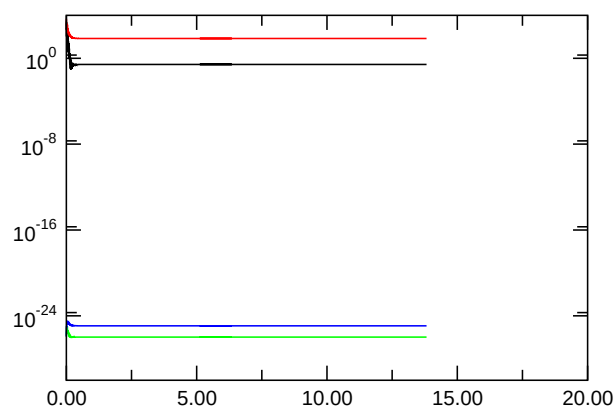
April 27, 2016



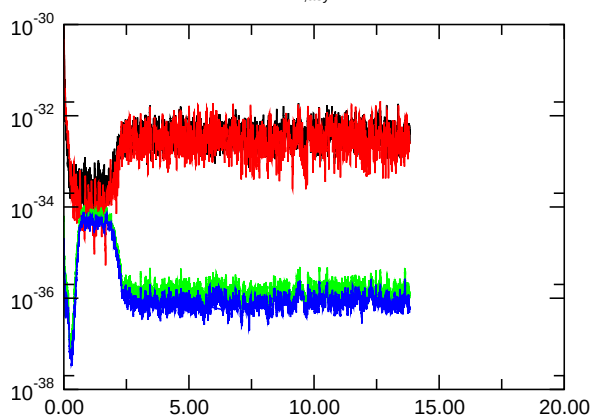
a.e03p1t03r-50000m1n2N2z1.0e4Y  
 $E_{\text{kin}}$



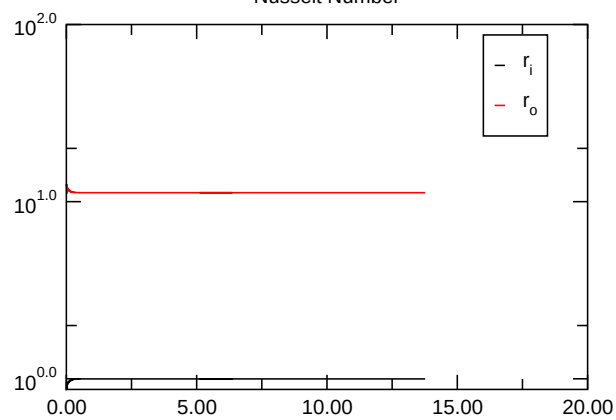
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



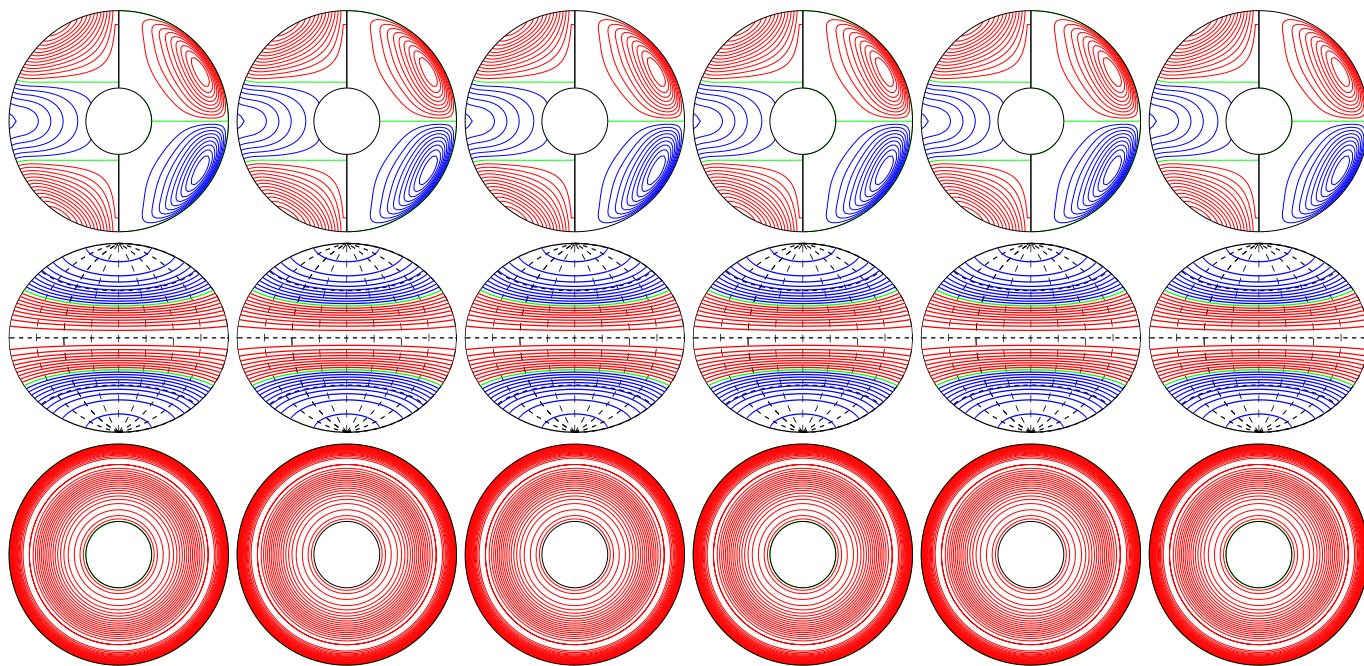
Nusselt Number



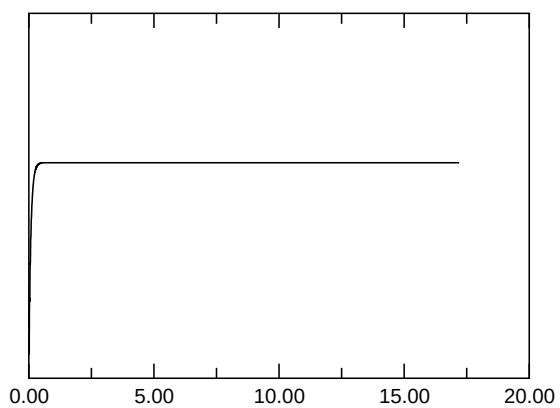


a.e03p1t03r-50000m1n2N2z2.0e4Y.14  
times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

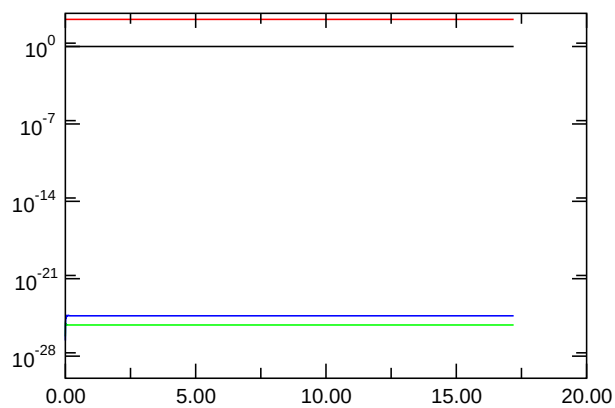
April 27, 2016



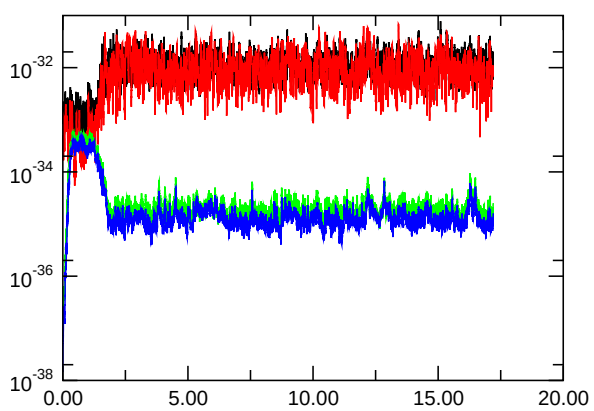
a.e03p1t03r-50000m1n2N2z2.0e4Y  
 $E_{\text{kin}}$



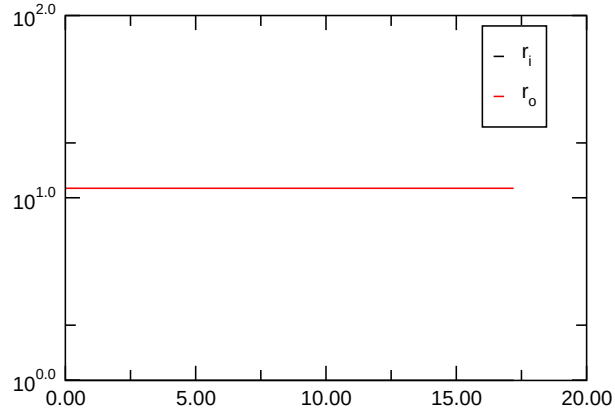
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



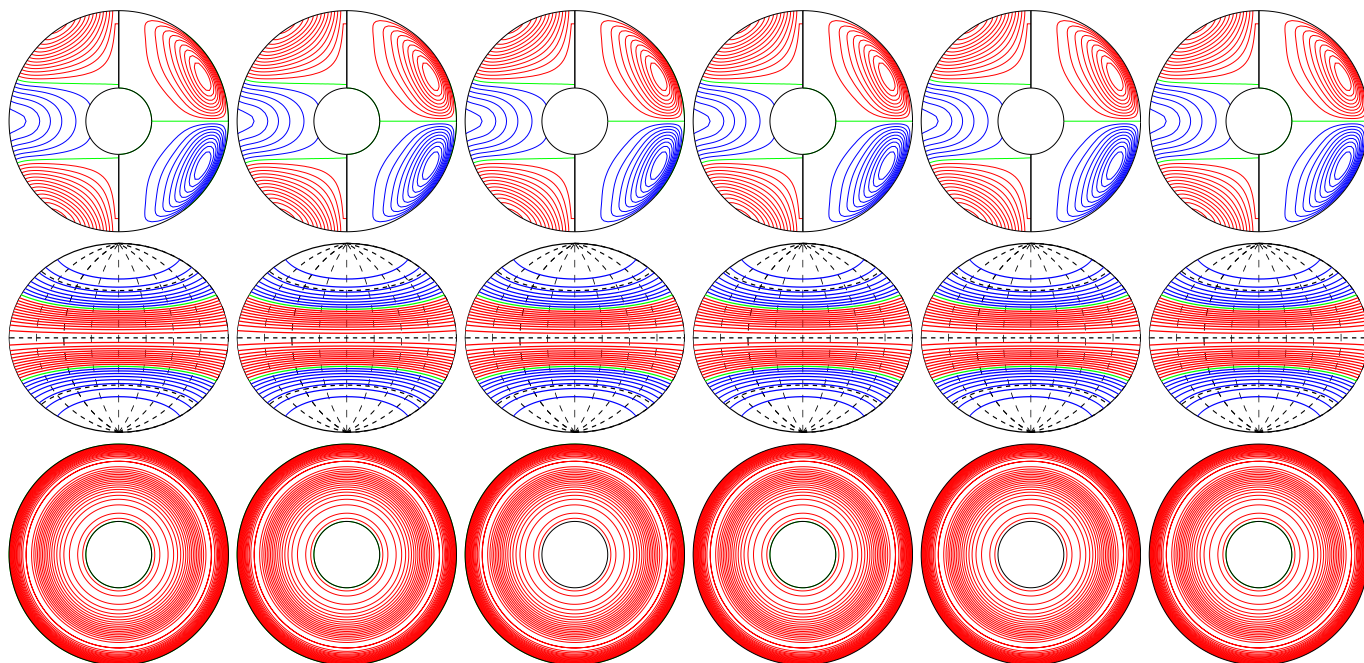
Nusselt Number



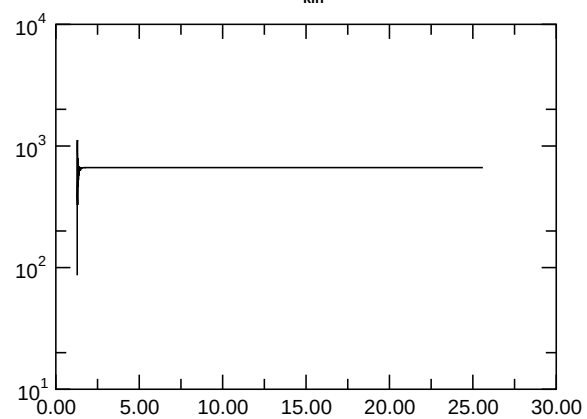
a.e03p1t03r-50000m1n2N2z3.0e4Y.20

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

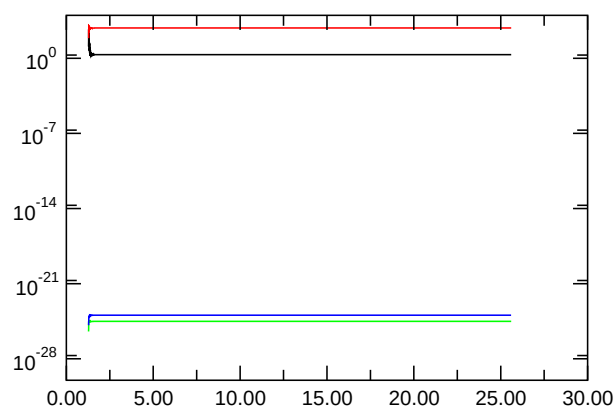
April 27, 2016



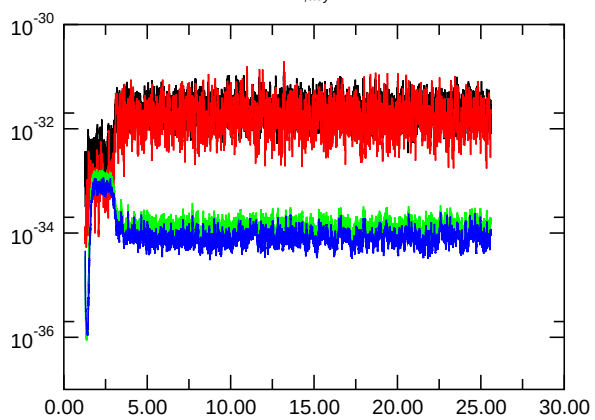
a.e03p1t03r-50000m1n2N2z3.0e4Y  
 $E_{\text{kin}}$



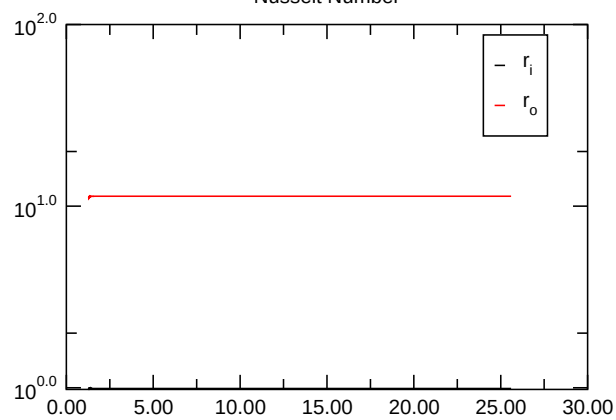
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

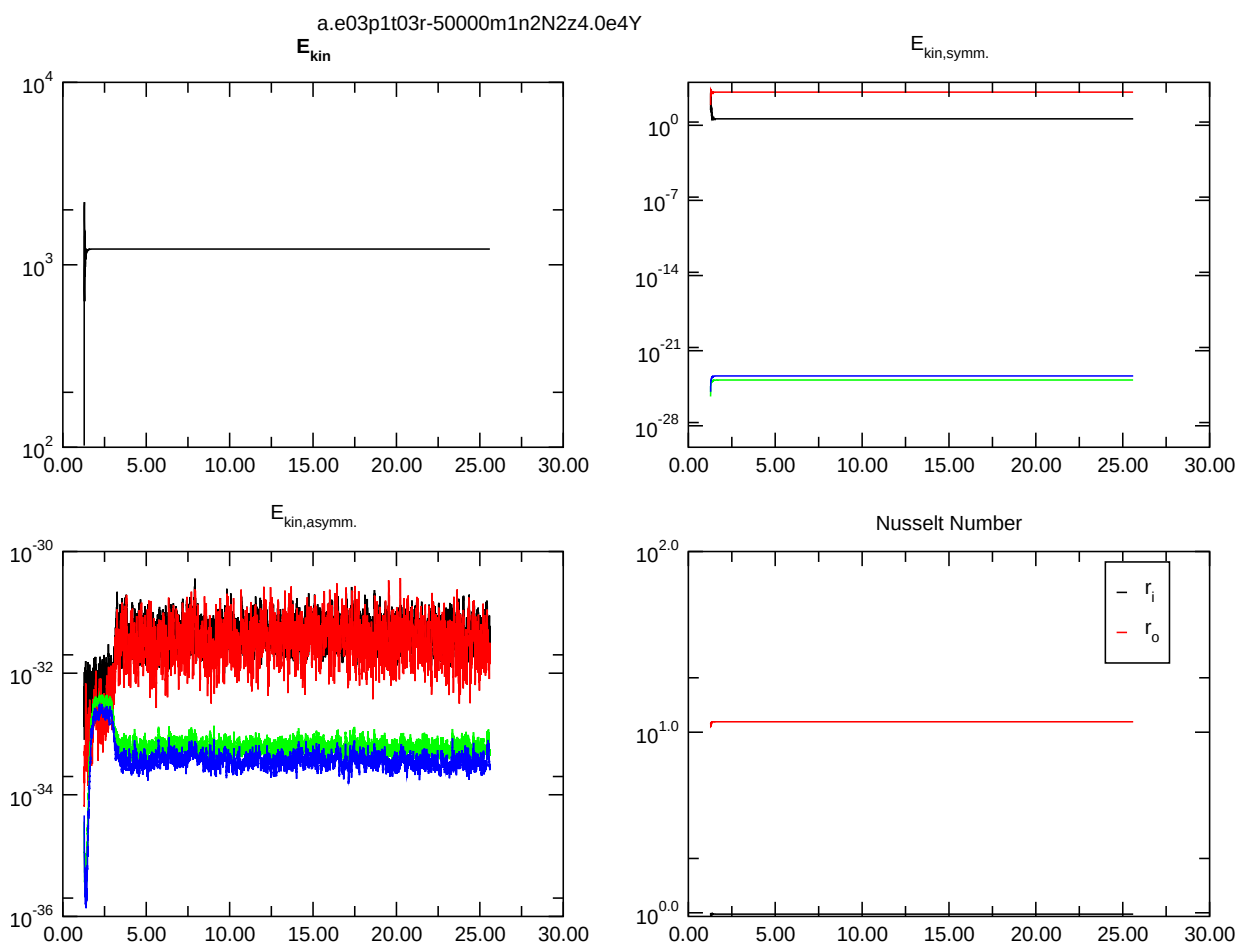
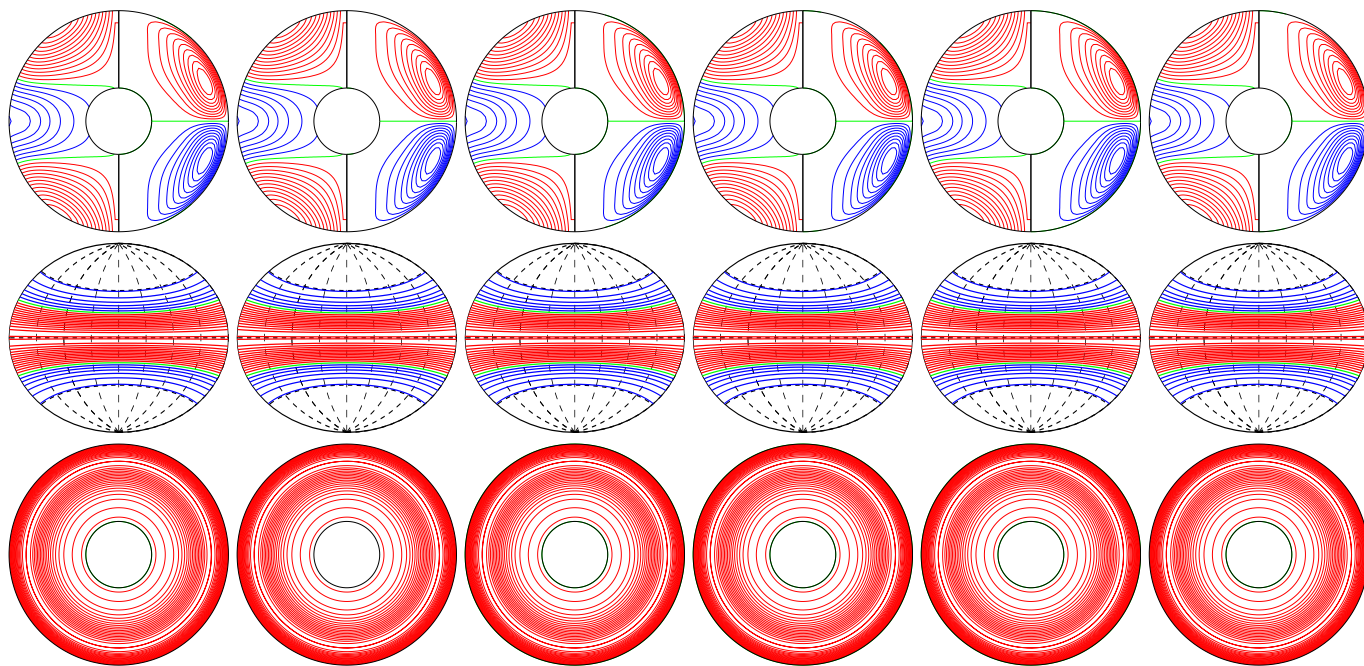


Nusselt Number



a.e03p1t03r-50000m1n2N2z4.0e4Y.20  
times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

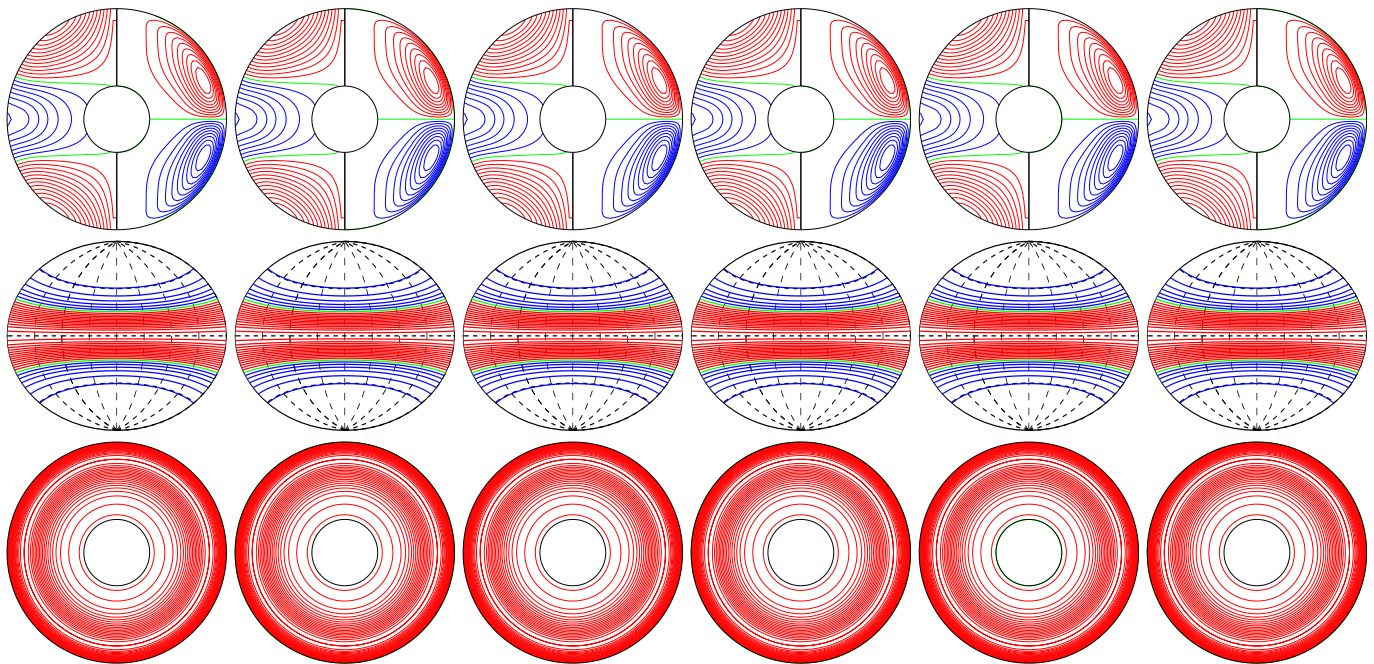
April 27, 2016



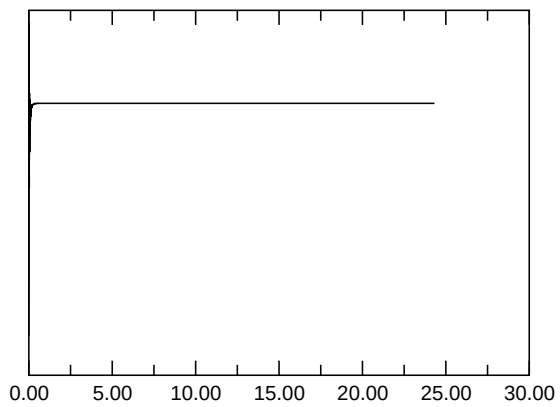
a.e03p1t03r-50000m1n2N2z4.2e4Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

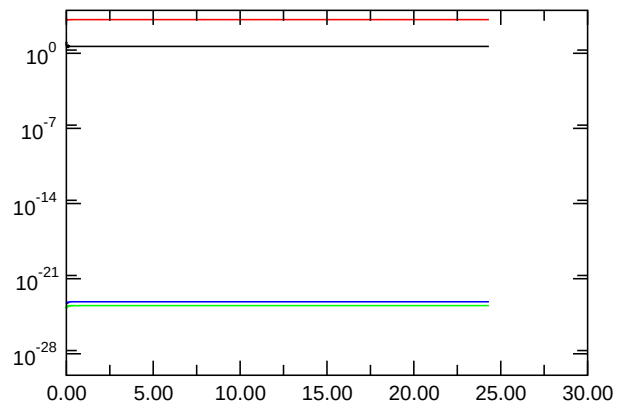
April 27, 2016



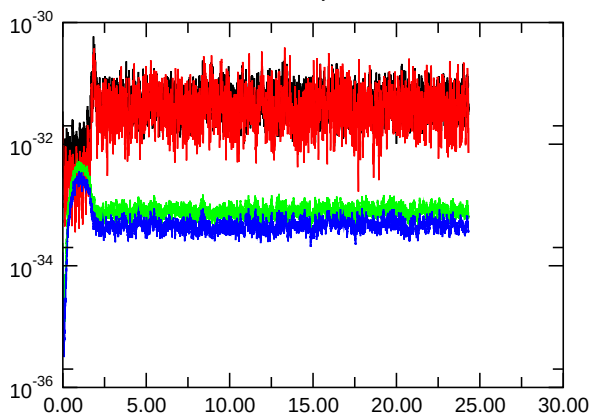
a.e03p1t03r-50000m1n2N2z4.2e4Y  
 $E_{\text{kin}}$



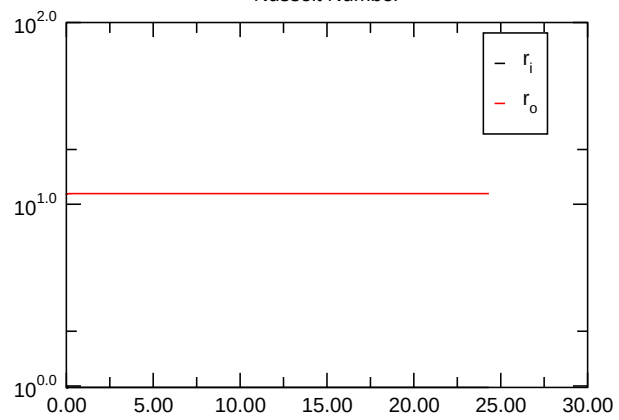
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



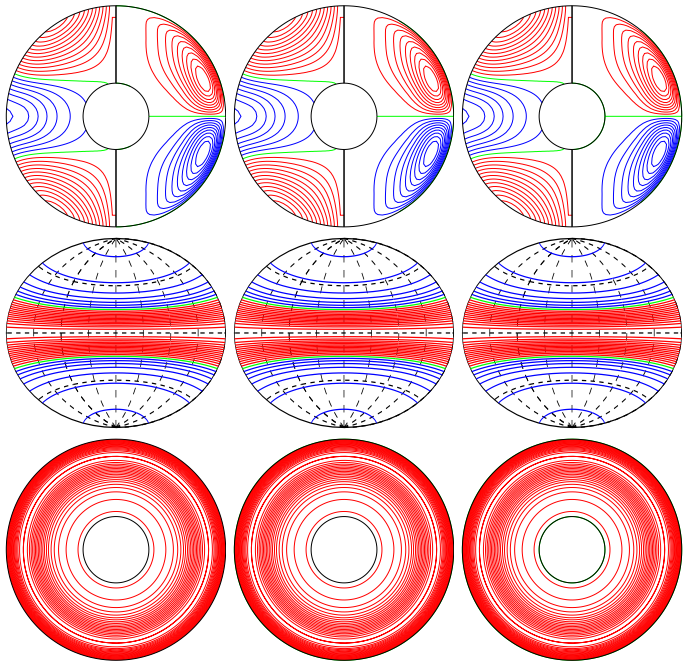
Nusselt Number



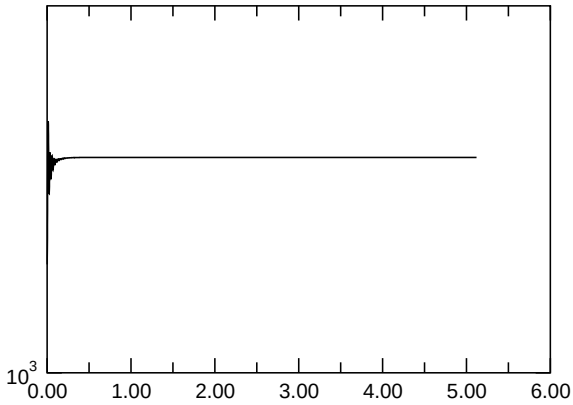


a.e03p1t03r-50000m1n2N2z4.4e4Y.4  
times: 1.280001 2.560002 3.840003

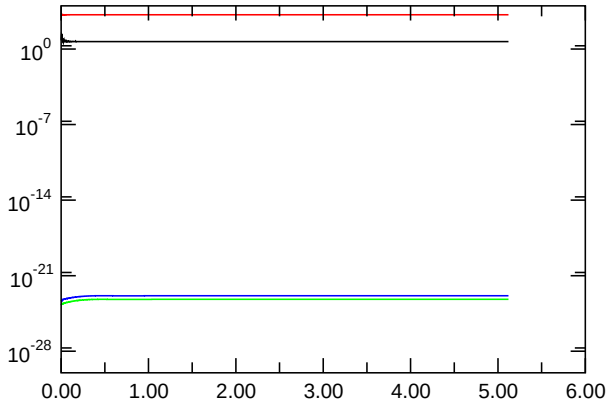
April 27, 2016



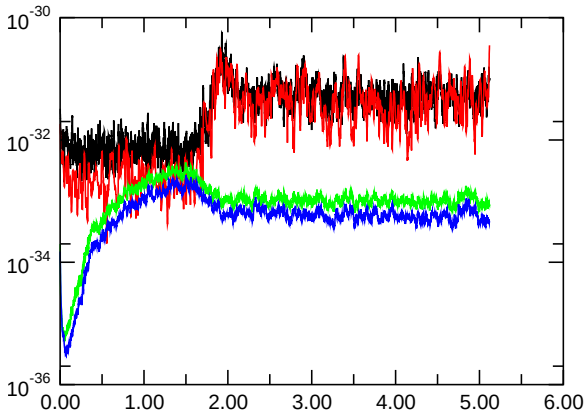
a.e03p1t03r-50000m1n2N2z4.4e4Y  
 $E_{\text{kin}}$



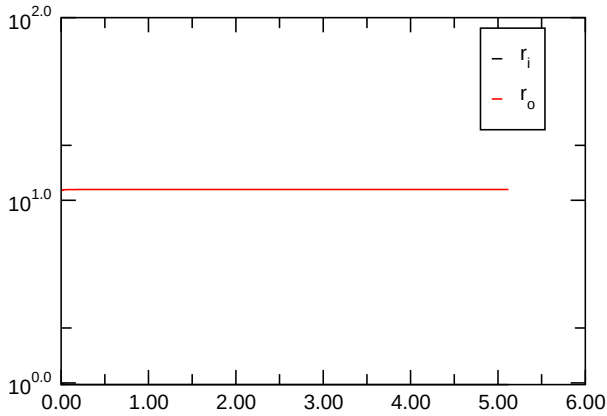
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

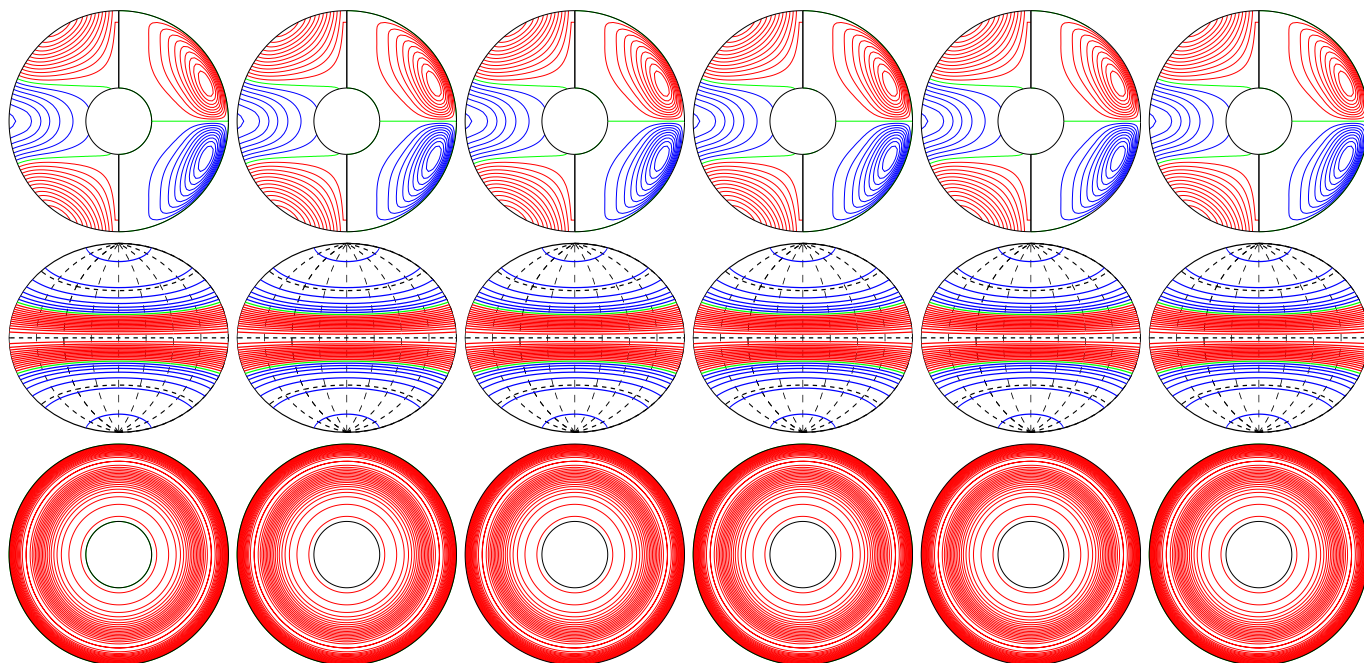


Nusselt Number

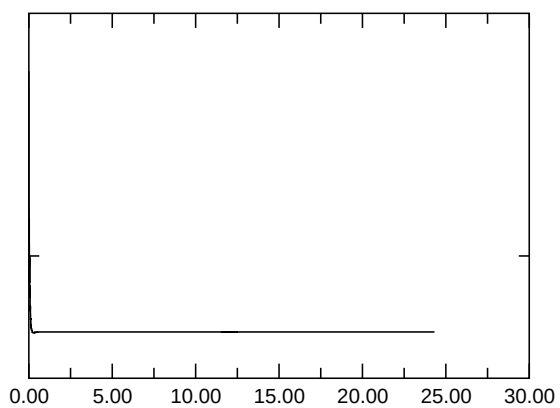


a.e03p1t03r-50000m1n2N2z4.4e4Ya.20  
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

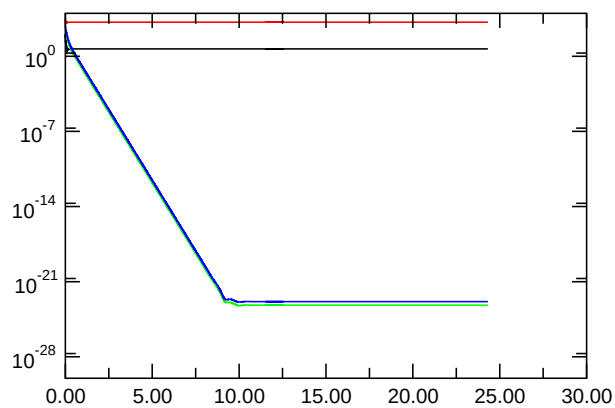
April 27, 2016



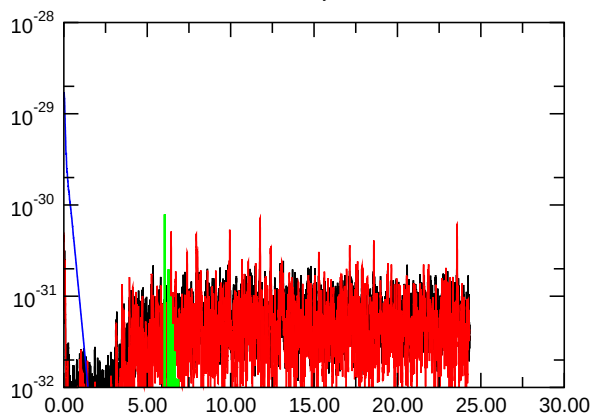
a.e03p1t03r-50000m1n2N2z4.4e4Ya  
 $E_{\text{kin}}$



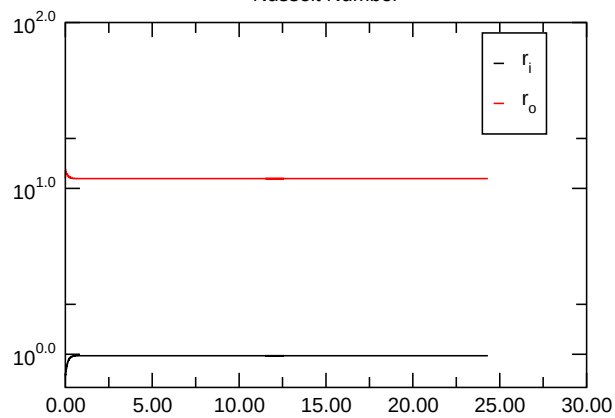
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

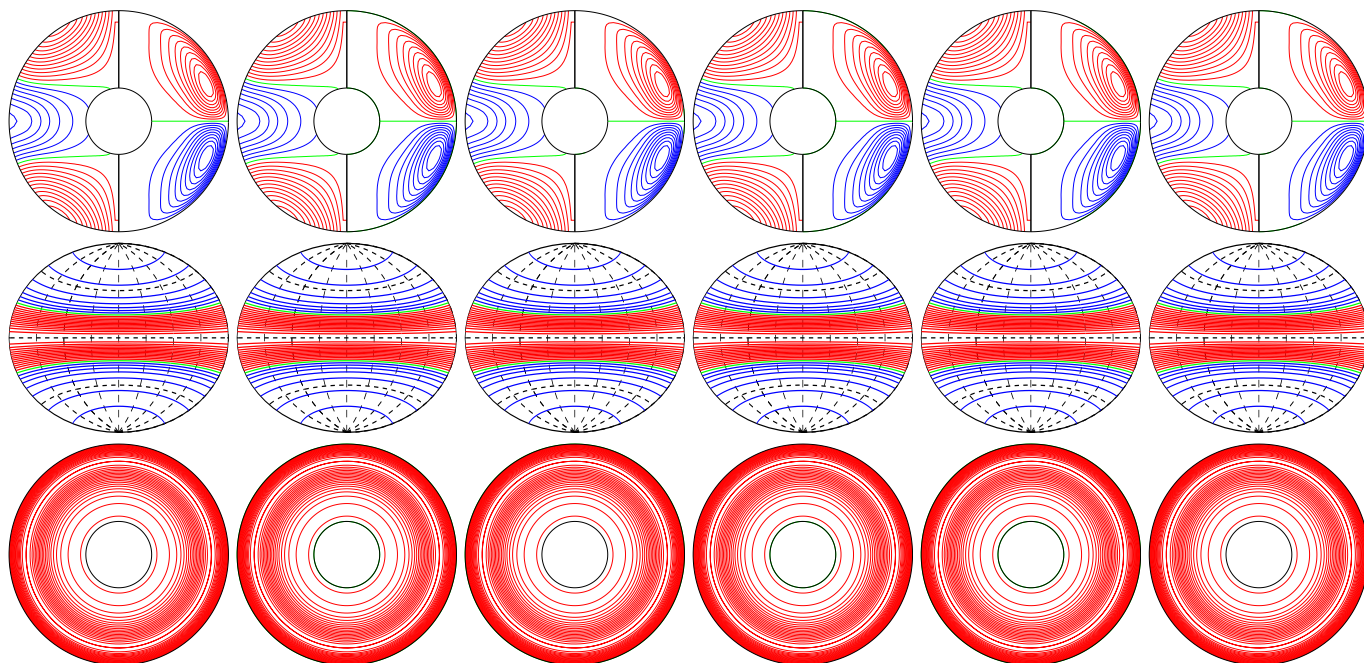


Nusselt Number

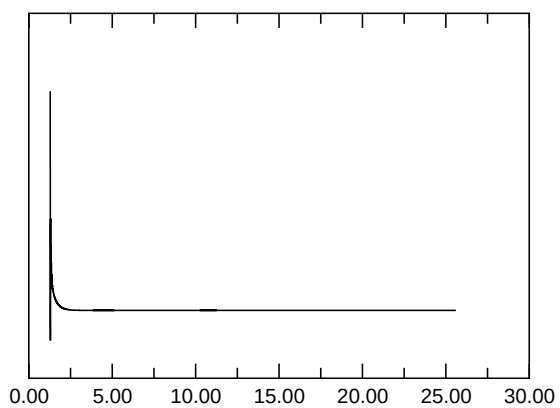


a.e03p1t03r-50000m1n2N2z4.5e4Ya.20  
times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

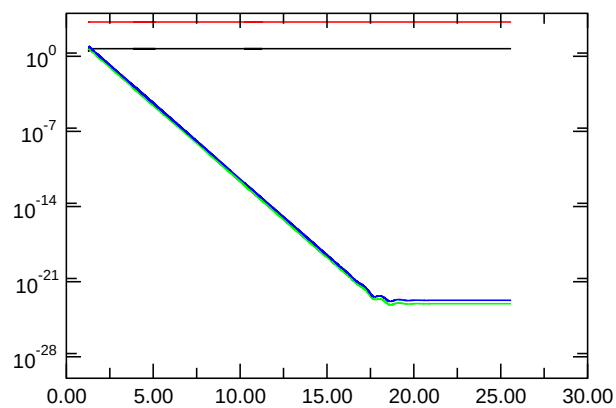
April 27, 2016



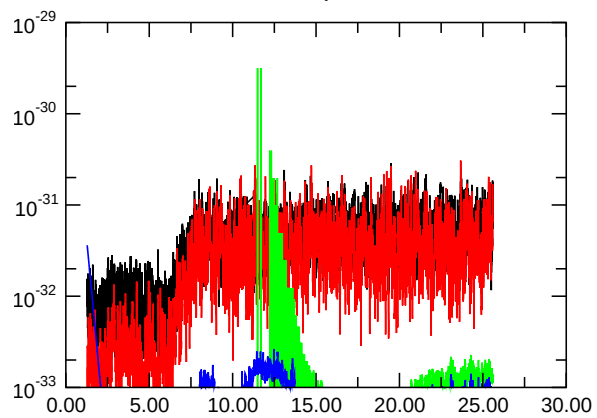
a.e03p1t03r-50000m1n2N2z4.5e4Ya  
 $E_{\text{kin}}$



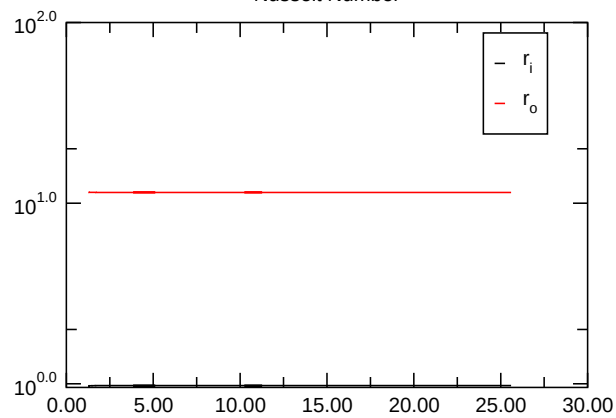
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



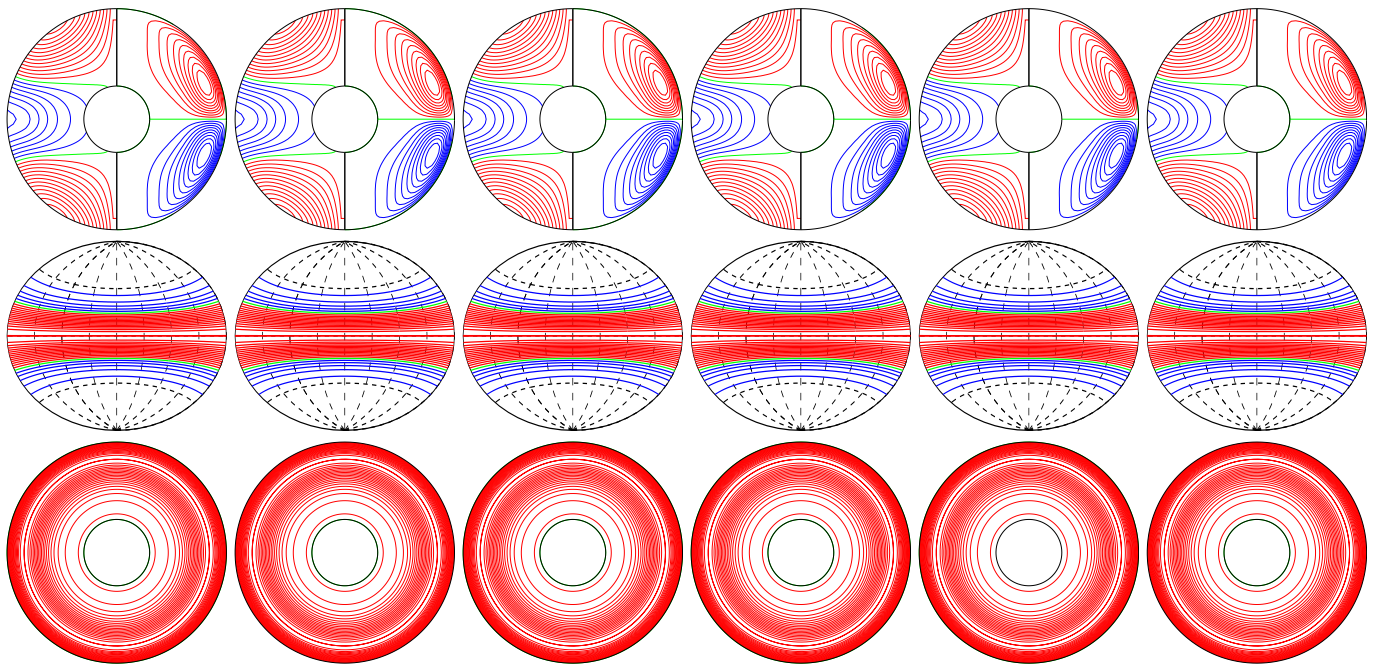
Nusselt Number



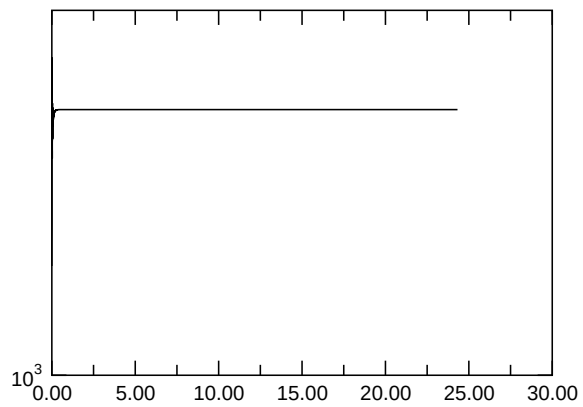
a.e03p1t03r-50000m1n2N2z4.6e4Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

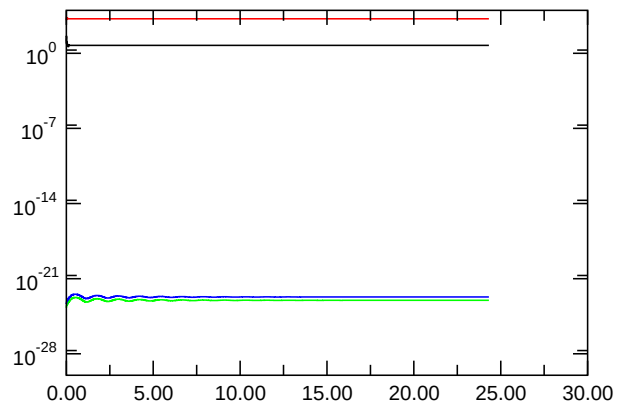
April 27, 2016



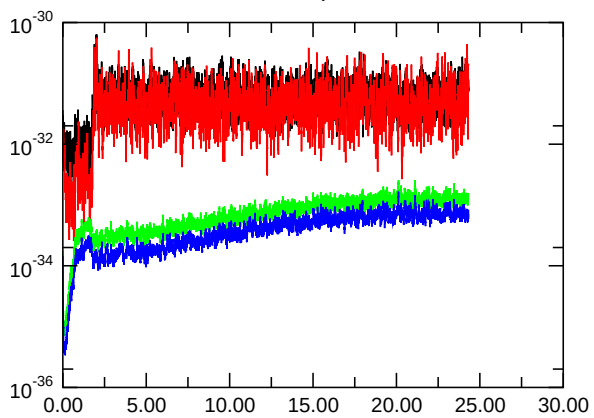
a.e03p1t03r-50000m1n2N2z4.6e4Y  
 $E_{\text{kin}}$



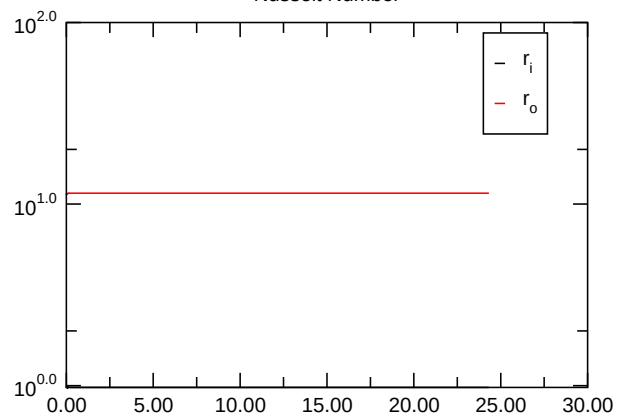
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



Nusselt Number

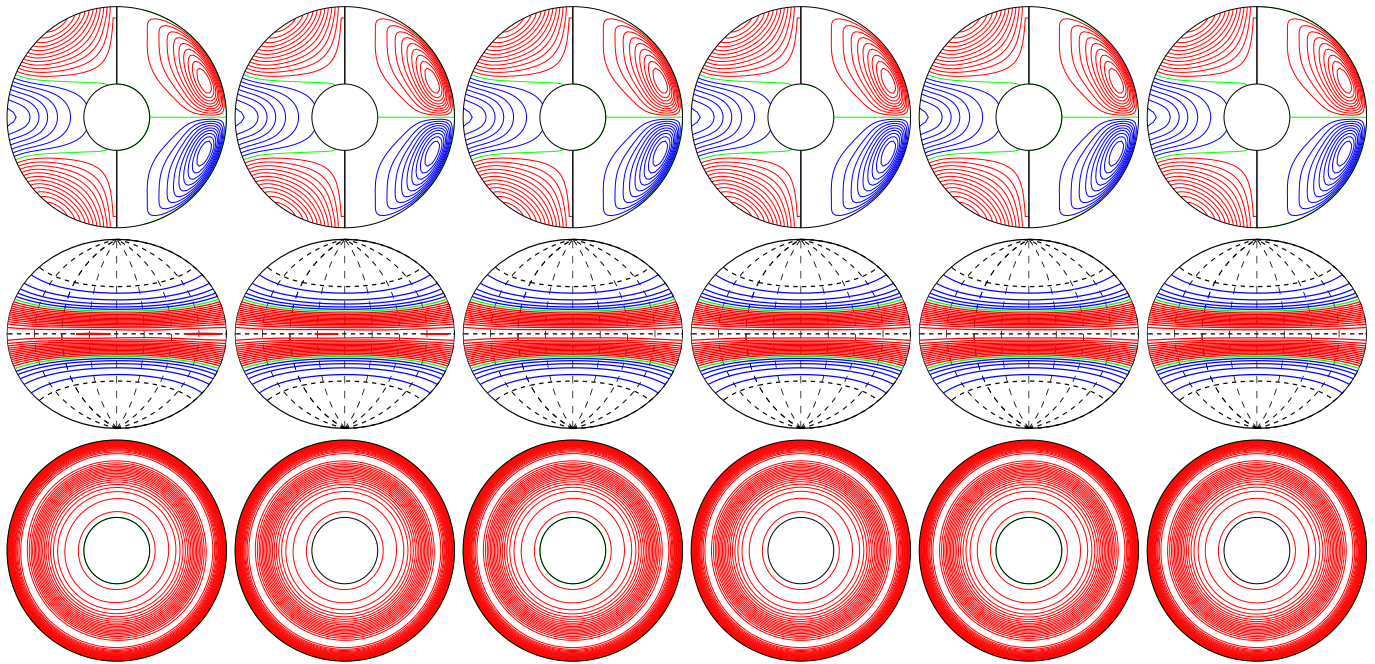




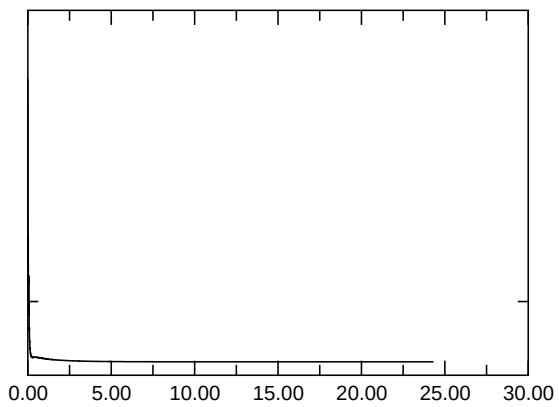
a.e03p1t03r-50000m1n2N2z4.6e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

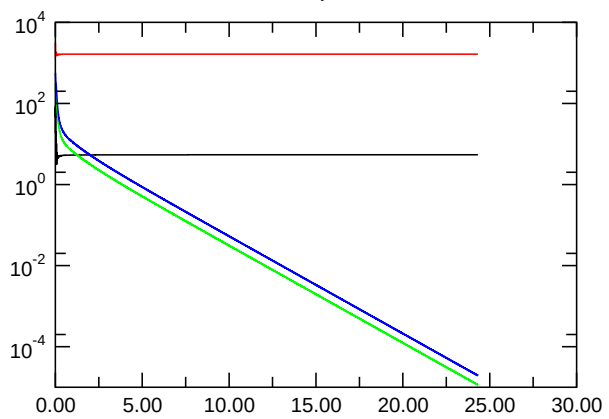
April 27, 2016



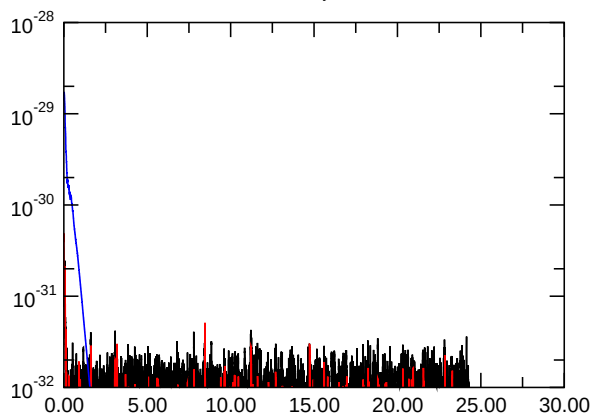
a.e03p1t03r-50000m1n2N2z4.6e4Ya  
 $E_{\text{kin}}$



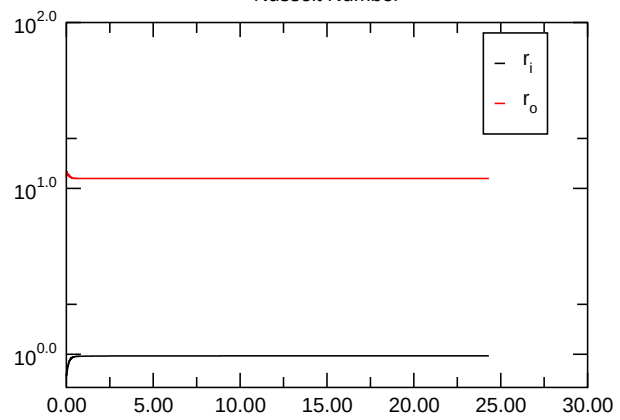
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

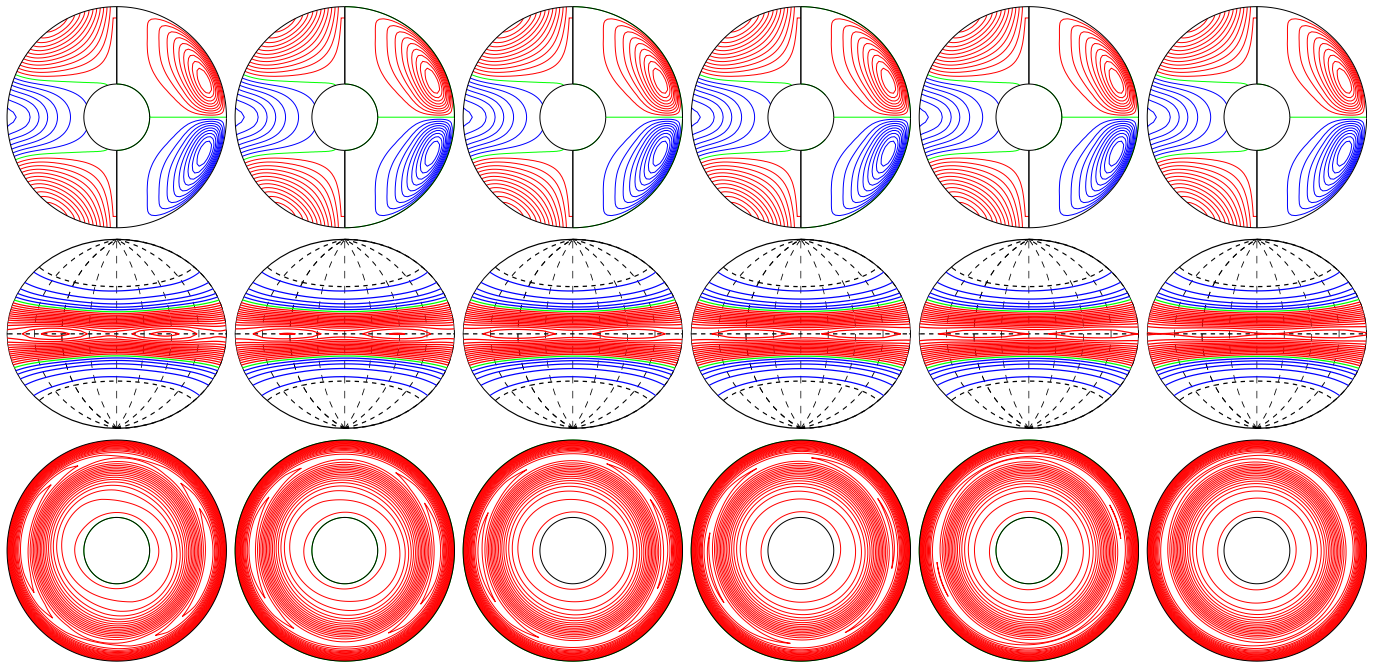


Nusselt Number

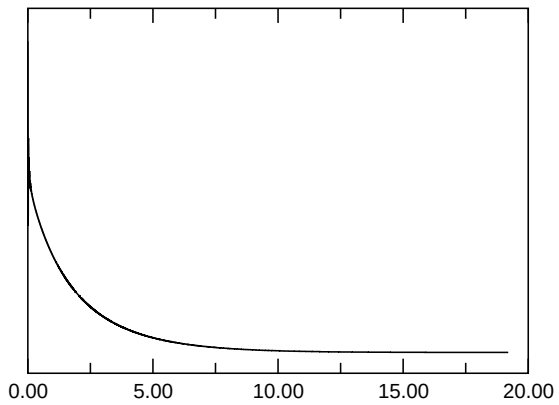


a.e03p1t03r-50000m1n2N2z4.605e4Yb.16  
times: 12.80001 14.08001 15.36001 16.64001 17.92001 19.20001

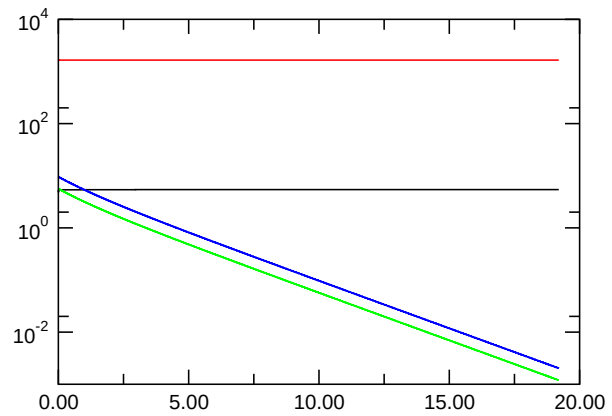
April 27, 2016



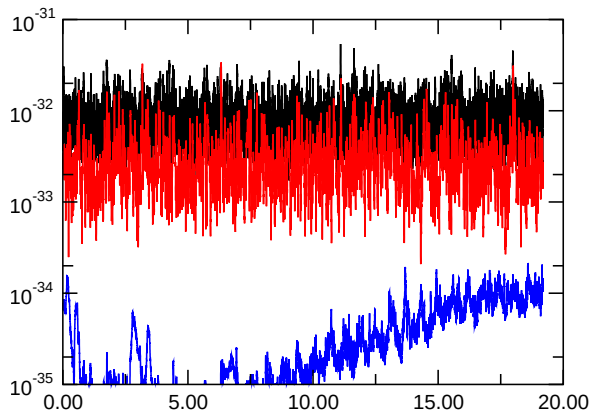
a.e03p1t03r-50000m1n2N2z4.605e4Yb  
 $E_{kin}$



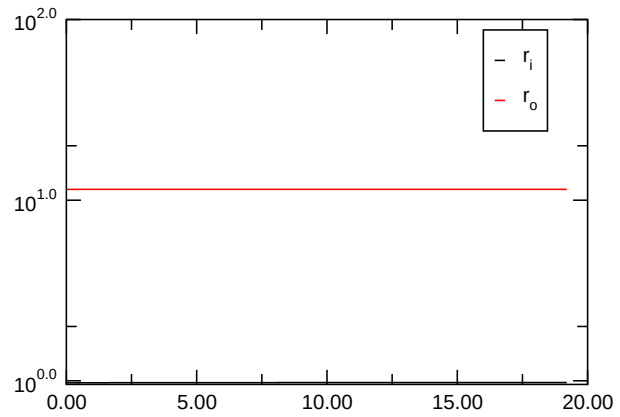
$E_{kin,symm.}$



$E_{kin,asymm.}$

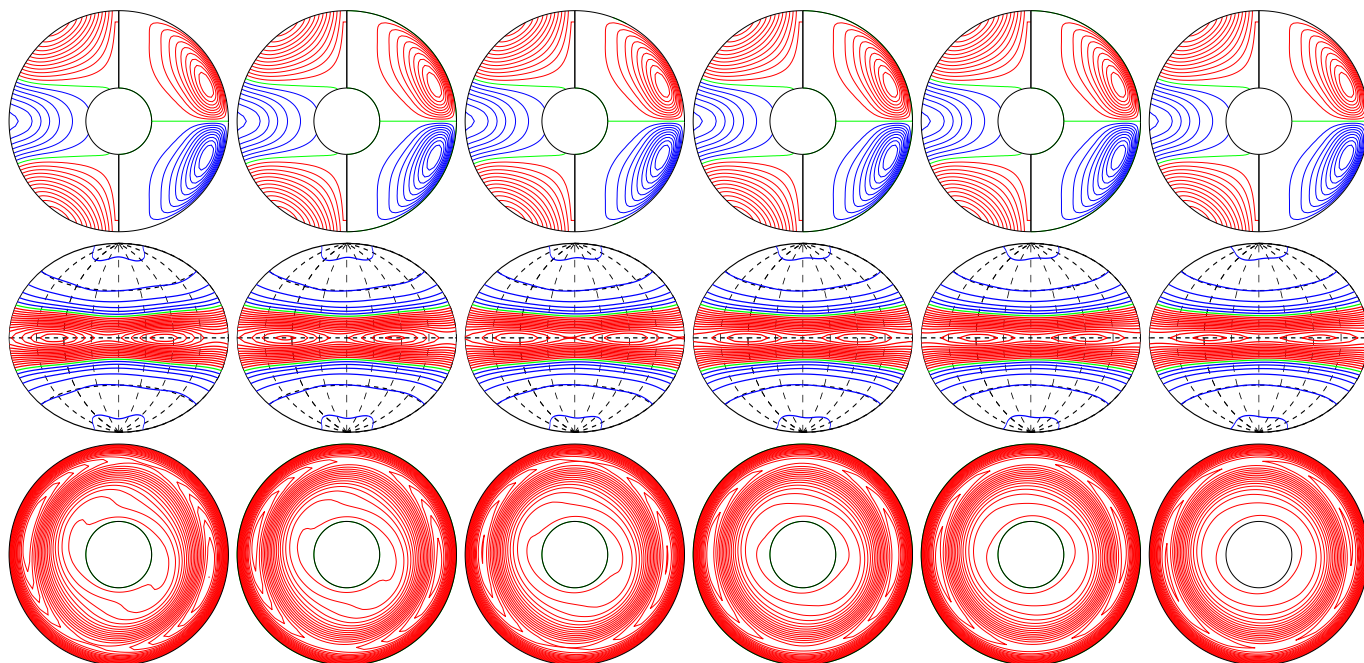


Nusselt Number

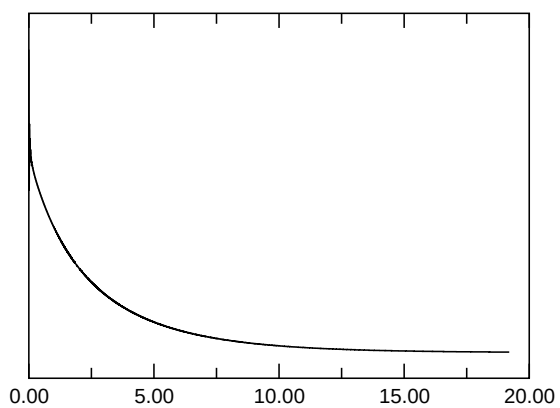


a.e03p1t03r-50000m1n2N2z4.61e4Yb.16  
times: 12.80001 14.08001 15.36001 16.64001 17.92001 19.20001

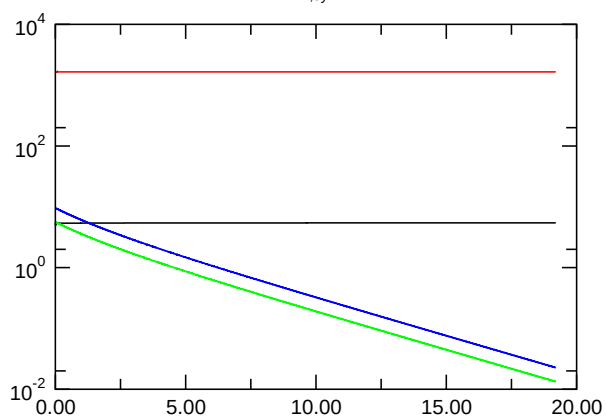
April 27, 2016



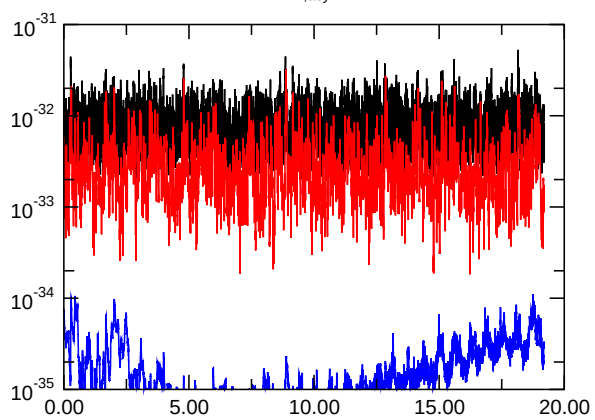
a.e03p1t03r-50000m1n2N2z4.61e4Yb  
 $E_{\text{kin}}$



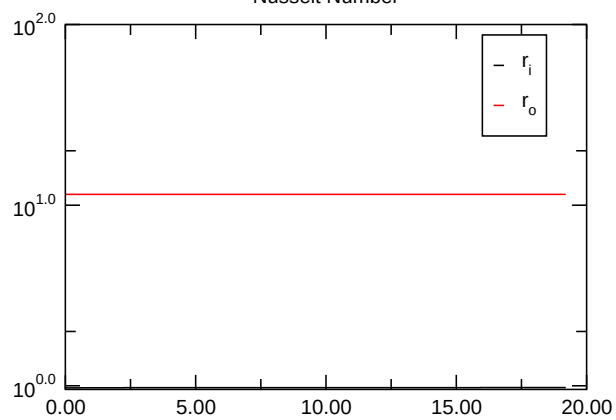
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

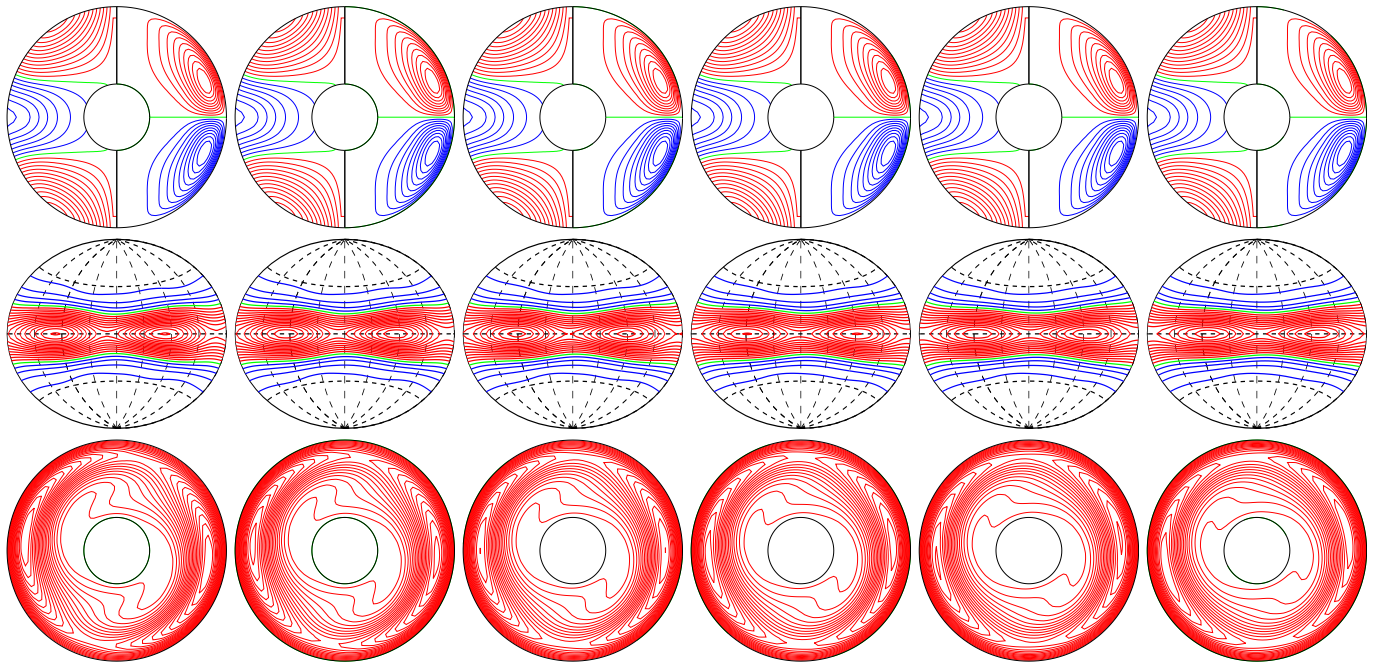


Nusselt Number



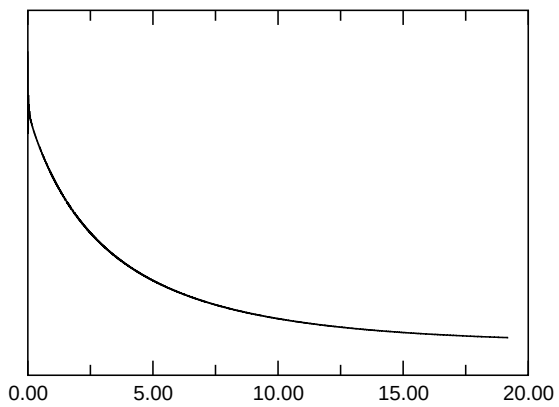
a.e03p1t03r-50000m1n2N2z4.615e4Yb.16  
times: 12.80001 14.08001 15.36001 16.64001 17.92001 19.20001

April 27, 2016

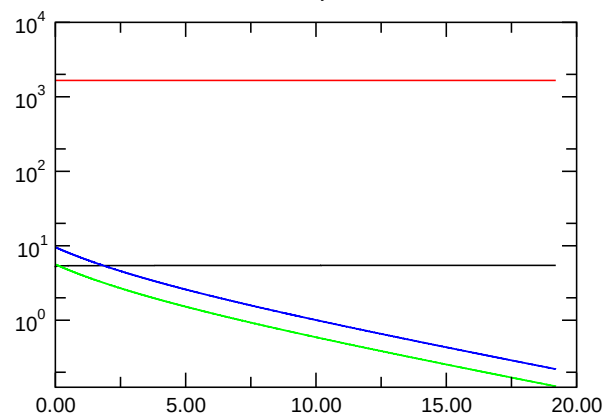


a.e03p1t03r-50000m1n2N2z4.615e4Yb

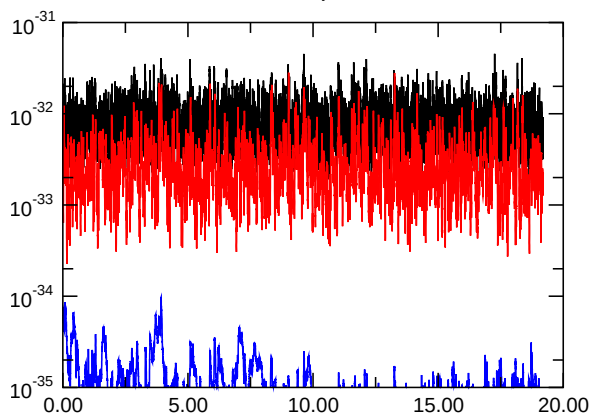
$E_{\text{kin}}$



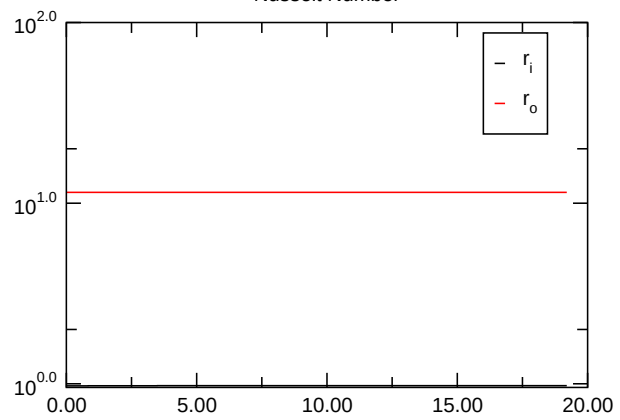
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



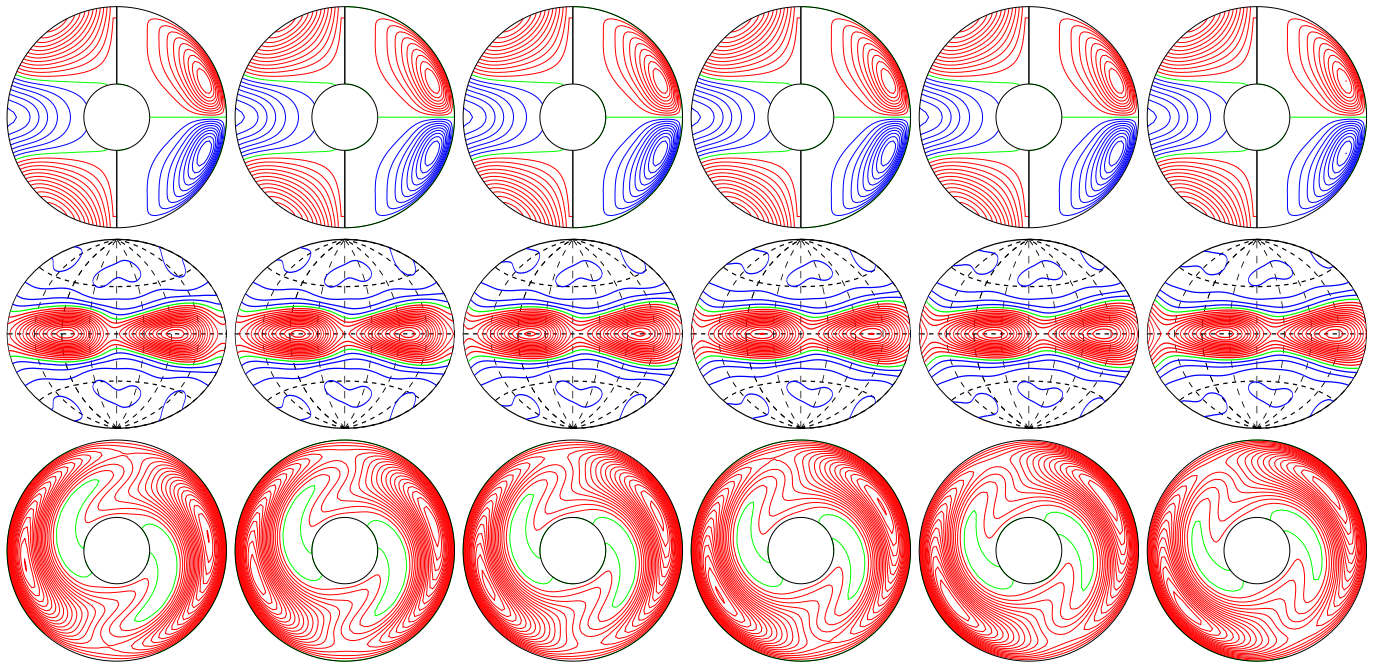
Nusselt Number



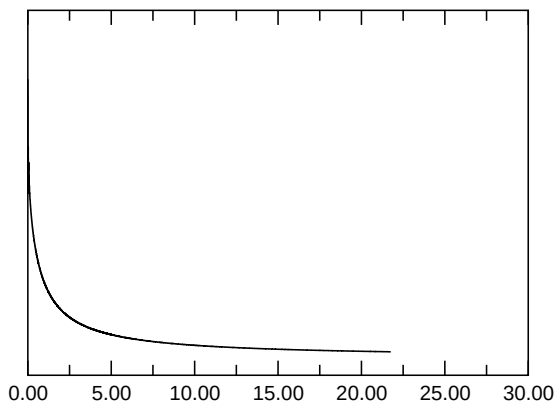


a.e03p1t03r-50000m1n2N2z4.62e4Yb.18  
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

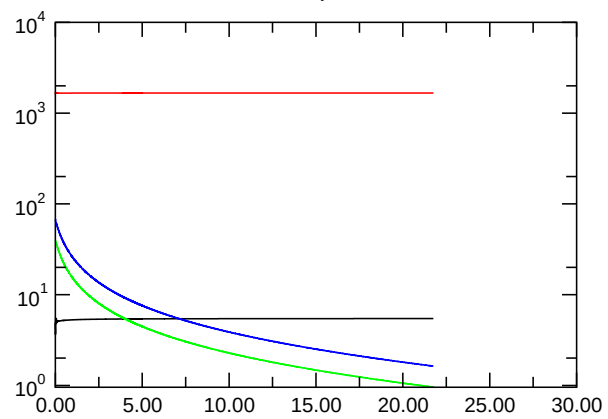
April 27, 2016



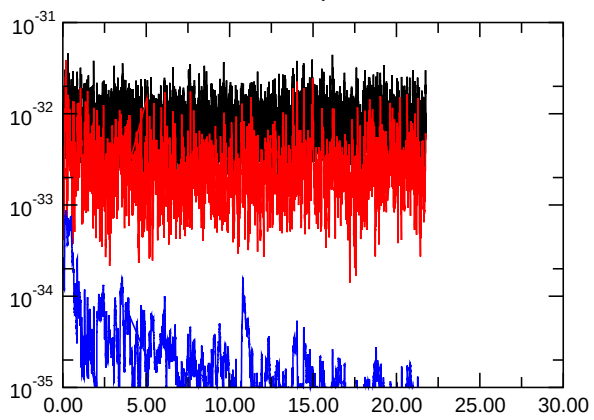
a.e03p1t03r-50000m1n2N2z4.62e4Yb  
 $E_{\text{kin}}$



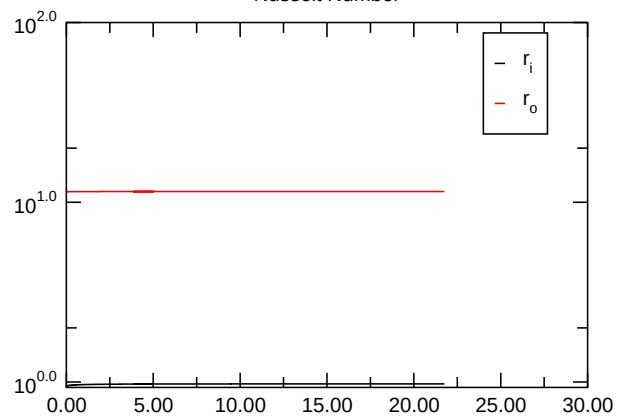
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

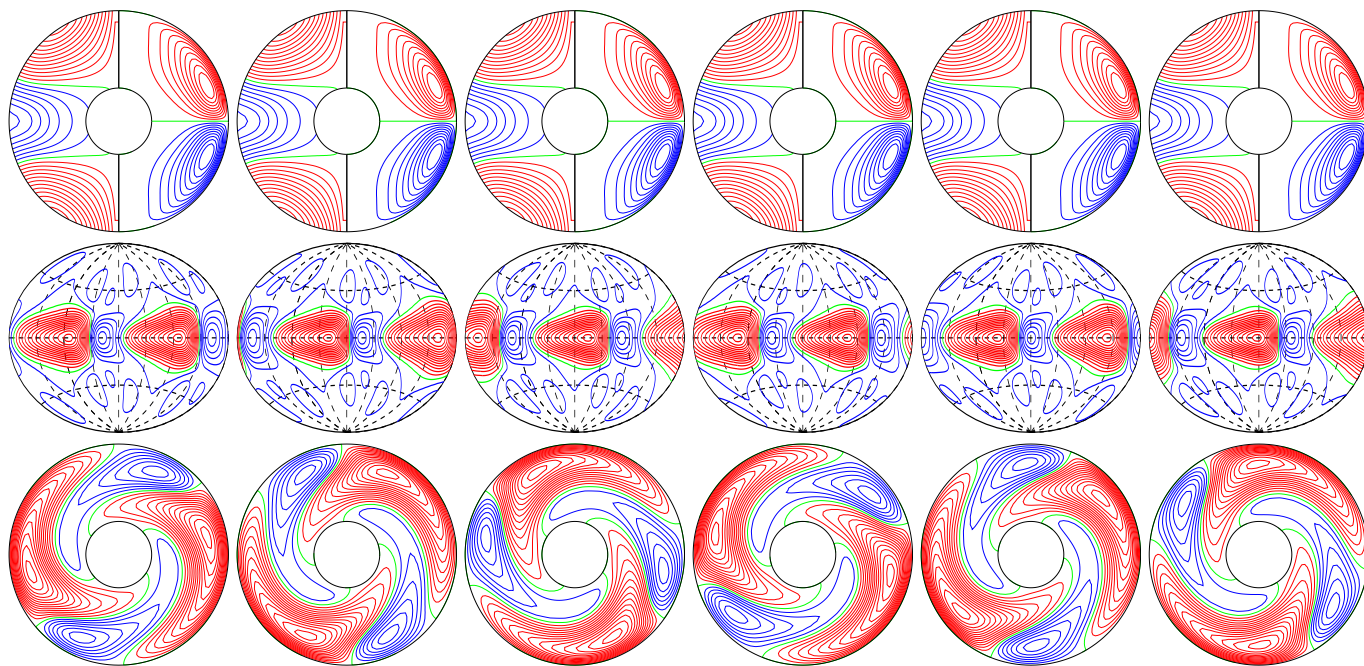


Nusselt Number

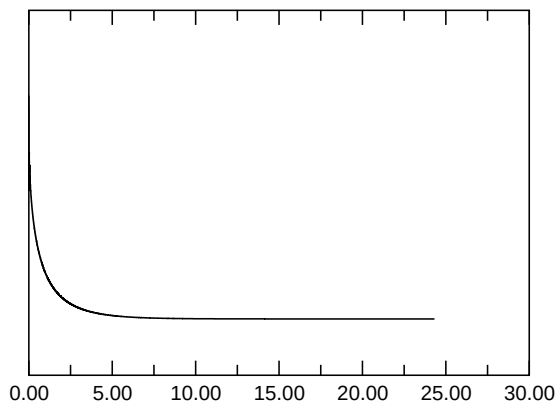


a.e03p1t03r-50000m1n2N2z4.64e4Yb.20  
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

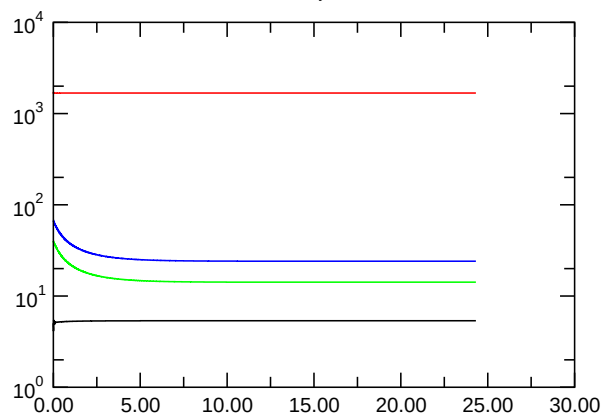
April 27, 2016



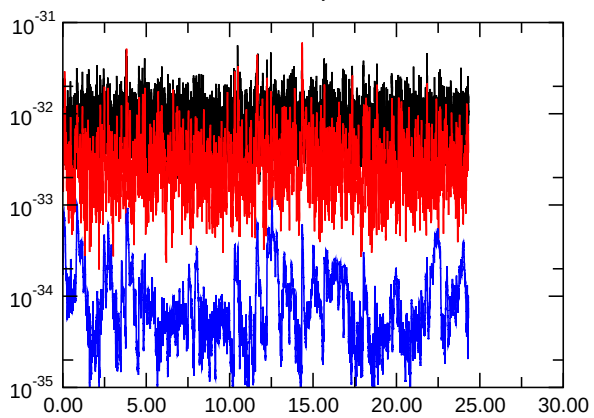
a.e03p1t03r-50000m1n2N2z4.64e4Yb  
 $E_{\text{kin}}$



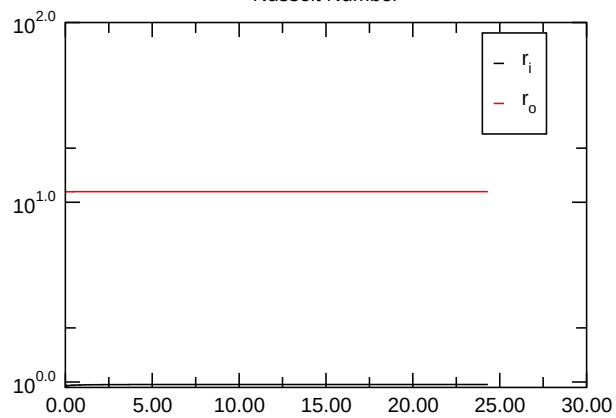
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

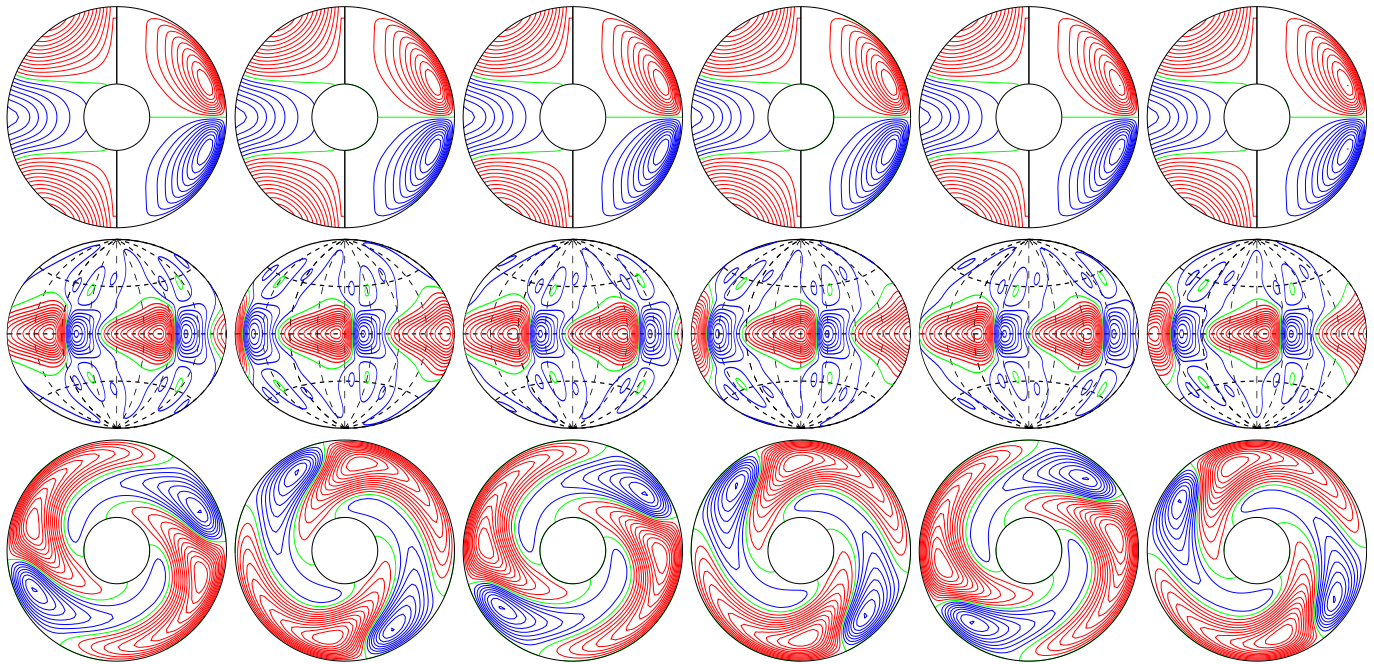


Nusselt Number

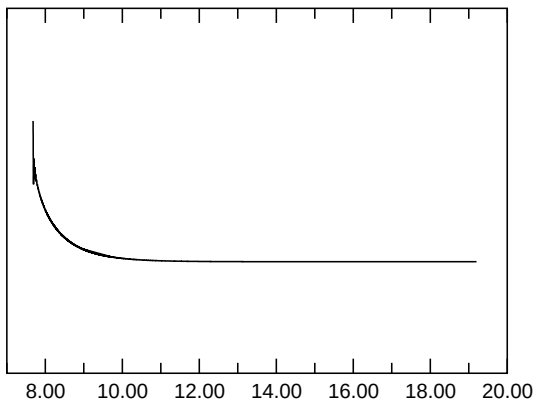


a.e03p1t03r-50000m1n2N2z4.66e4Yb.10  
times: 12.80001 14.08001 15.36001 16.64001 17.92001 19.20001

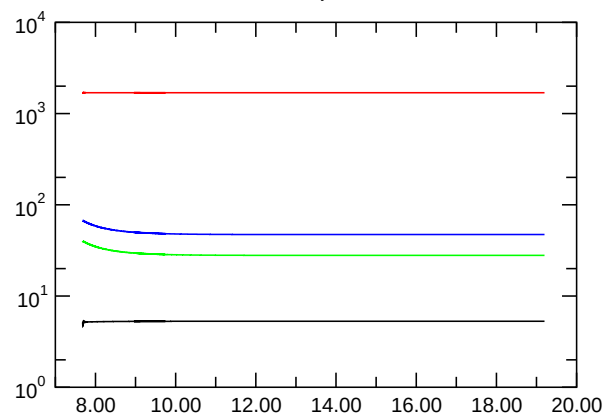
April 27, 2016



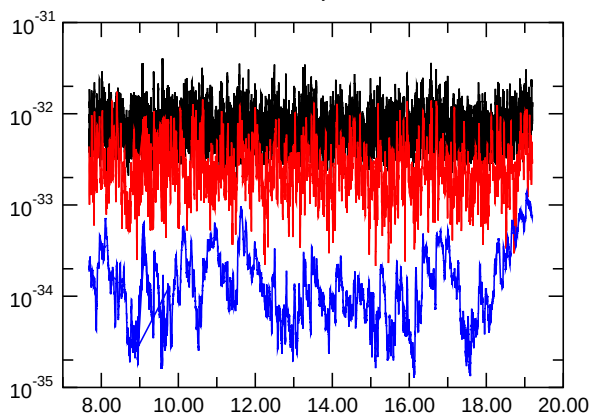
a.e03p1t03r-50000m1n2N2z4.66e4Yb  
 $E_{\text{kin}}$



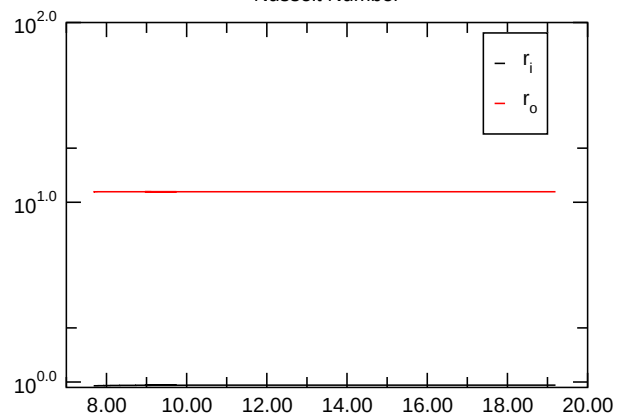
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

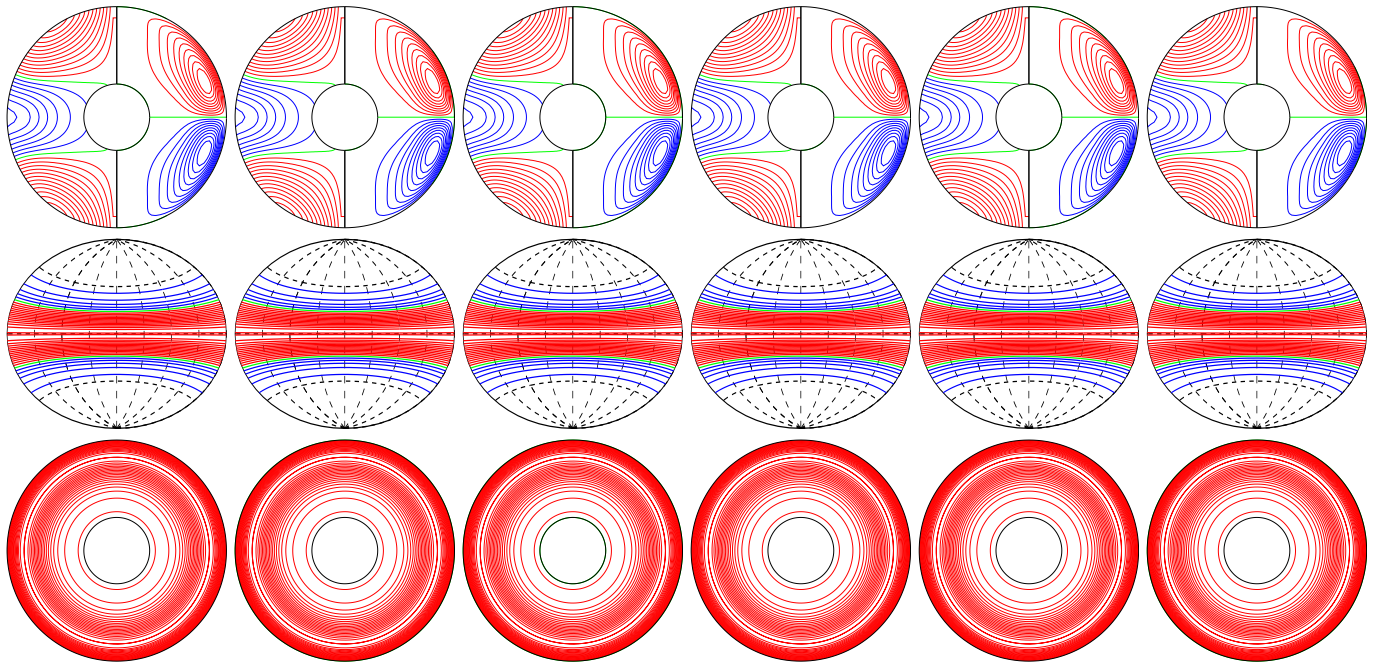


Nusselt Number

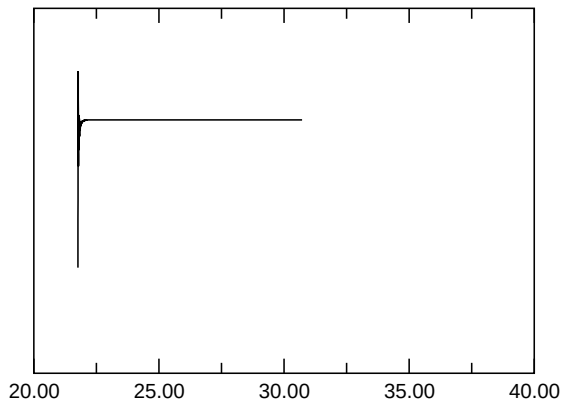


a.e03p1t03r-50000m1n2N2z4.66e4Ybb.8  
times: 24.32001 25.60001 26.88001 28.16001 29.44001 30.72001

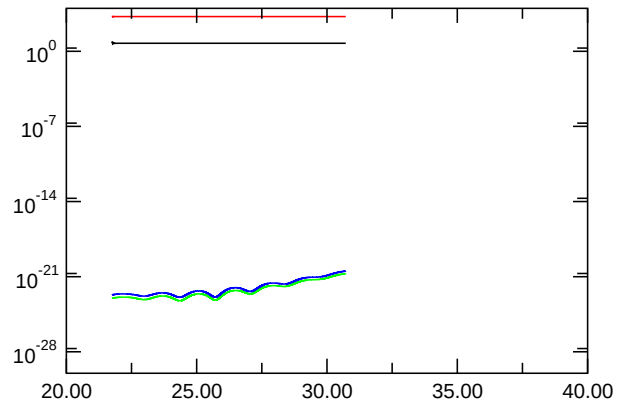
April 27, 2016



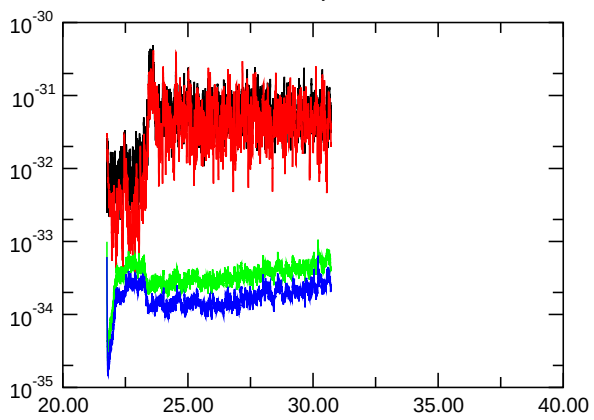
a.e03p1t03r-50000m1n2N2z4.66e4Ybb  
 $E_{kin}$



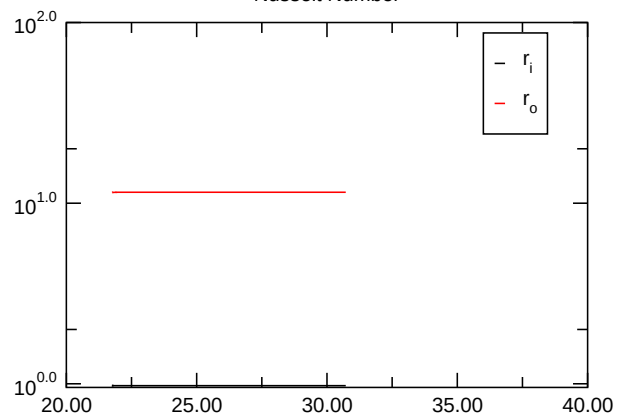
$E_{kin,symm.}$



$E_{kin,asymm.}$



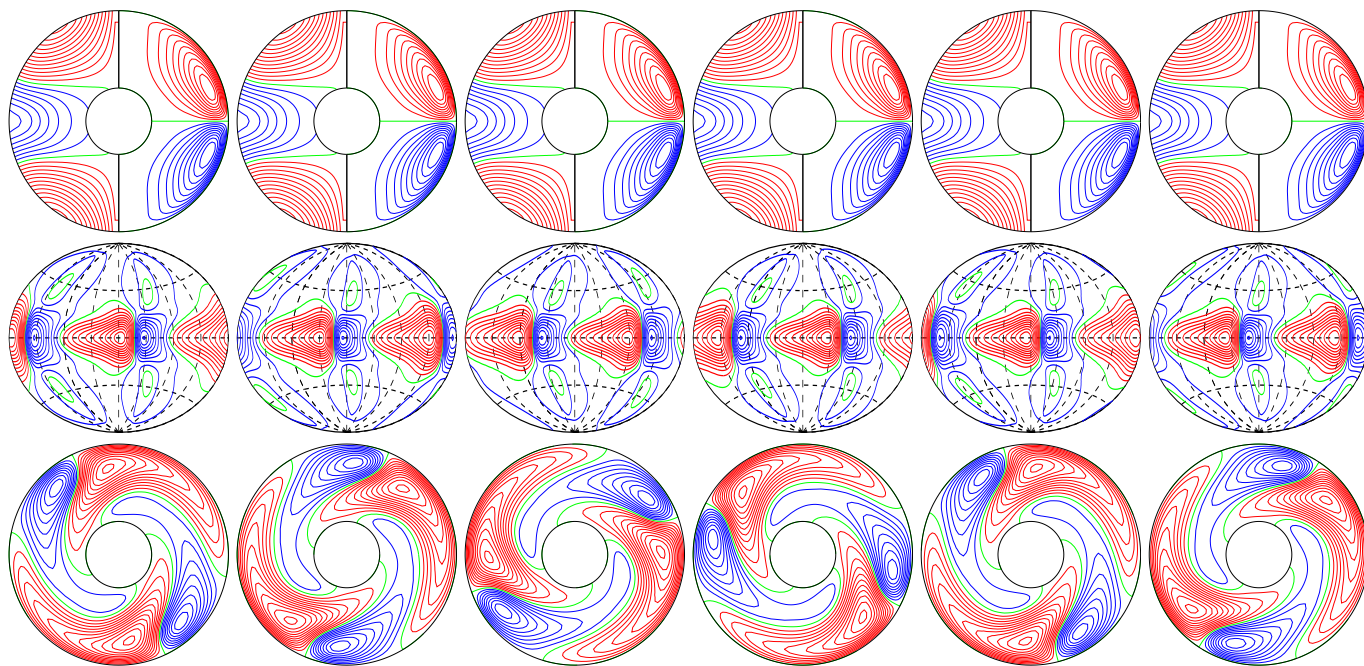
Nusselt Number



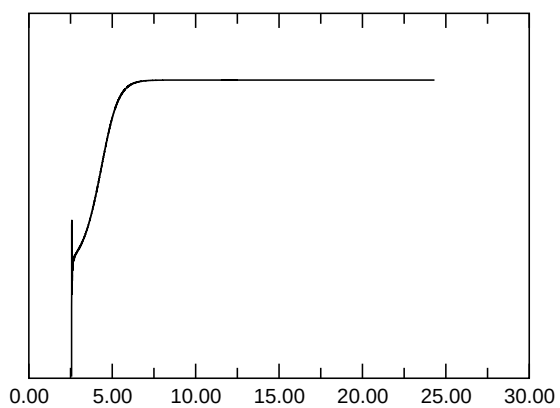


a.e03p1t03r-50000m1n2N2z4.68e4Yb.18  
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

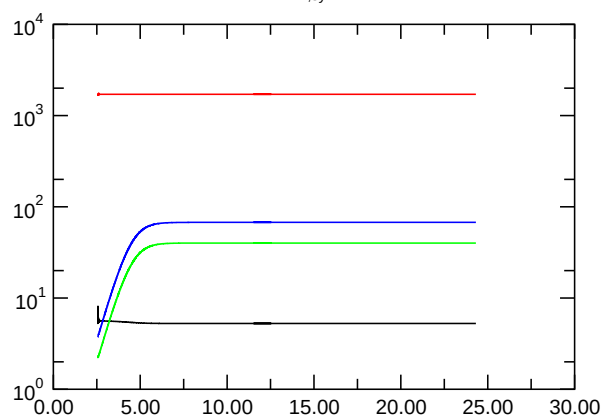
April 27, 2016



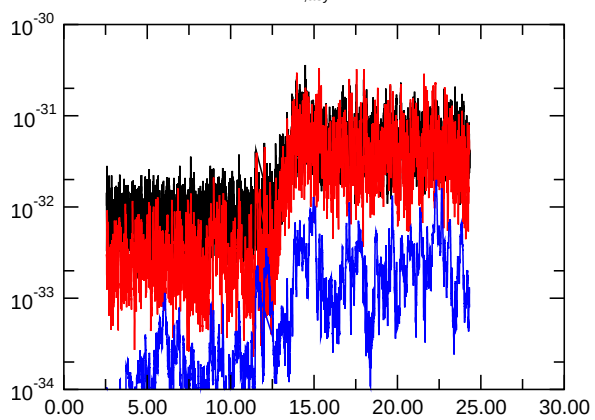
a.e03p1t03r-50000m1n2N2z4.68e4Yb  
 $E_{\text{kin}}$



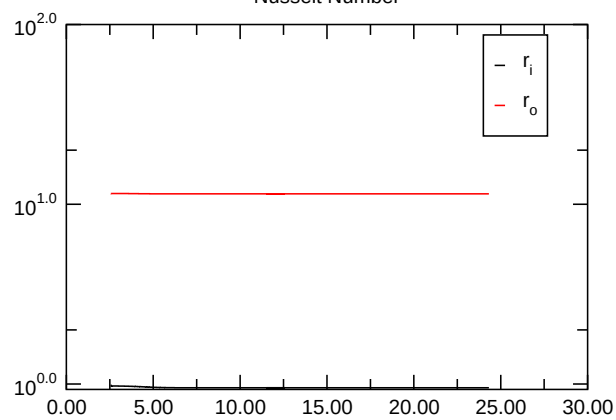
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



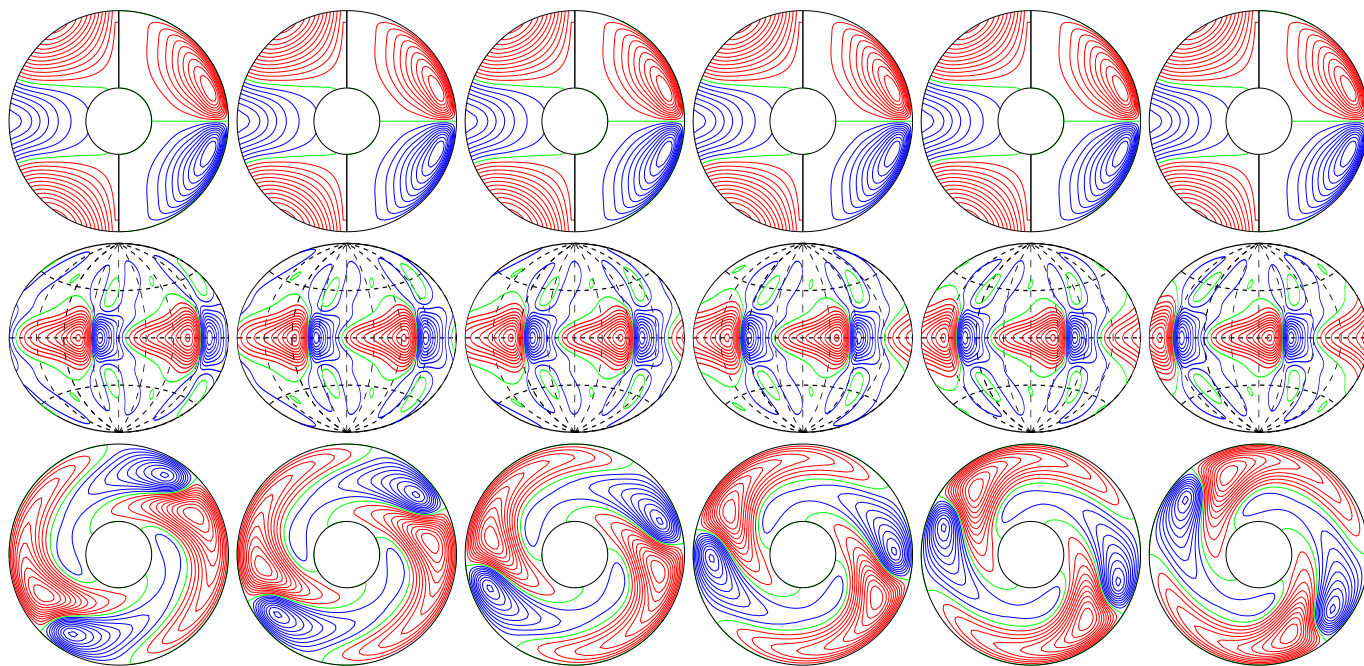
Nusselt Number



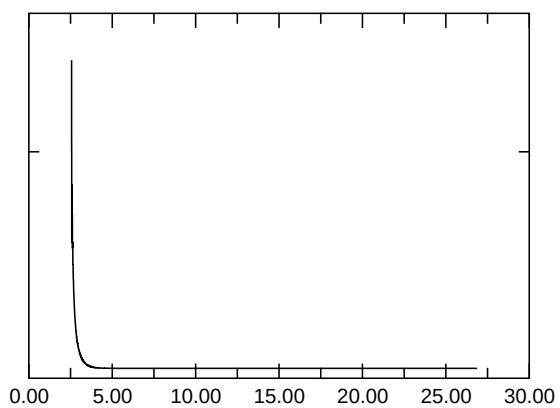
a.e03p1t03r-50000m1n2N2z4.7e4Ya.20

times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

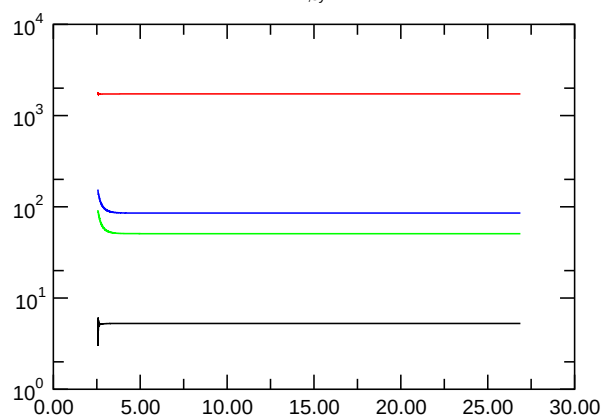
April 27, 2016



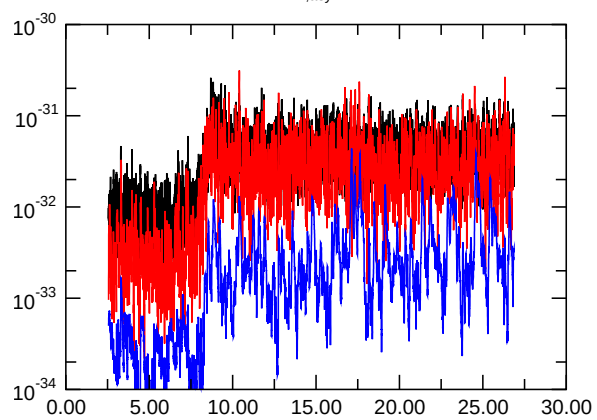
a.e03p1t03r-50000m1n2N2z4.7e4Ya  
 $E_{\text{kin}}$



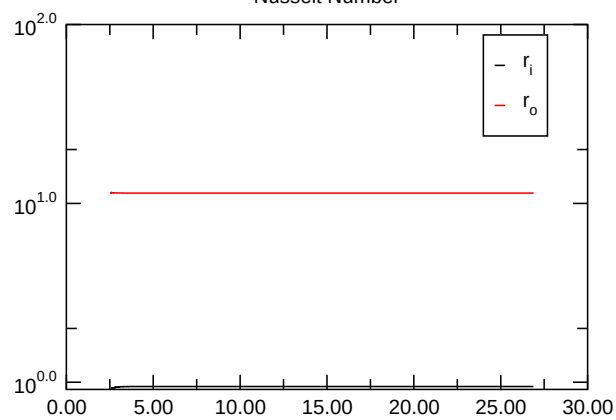
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



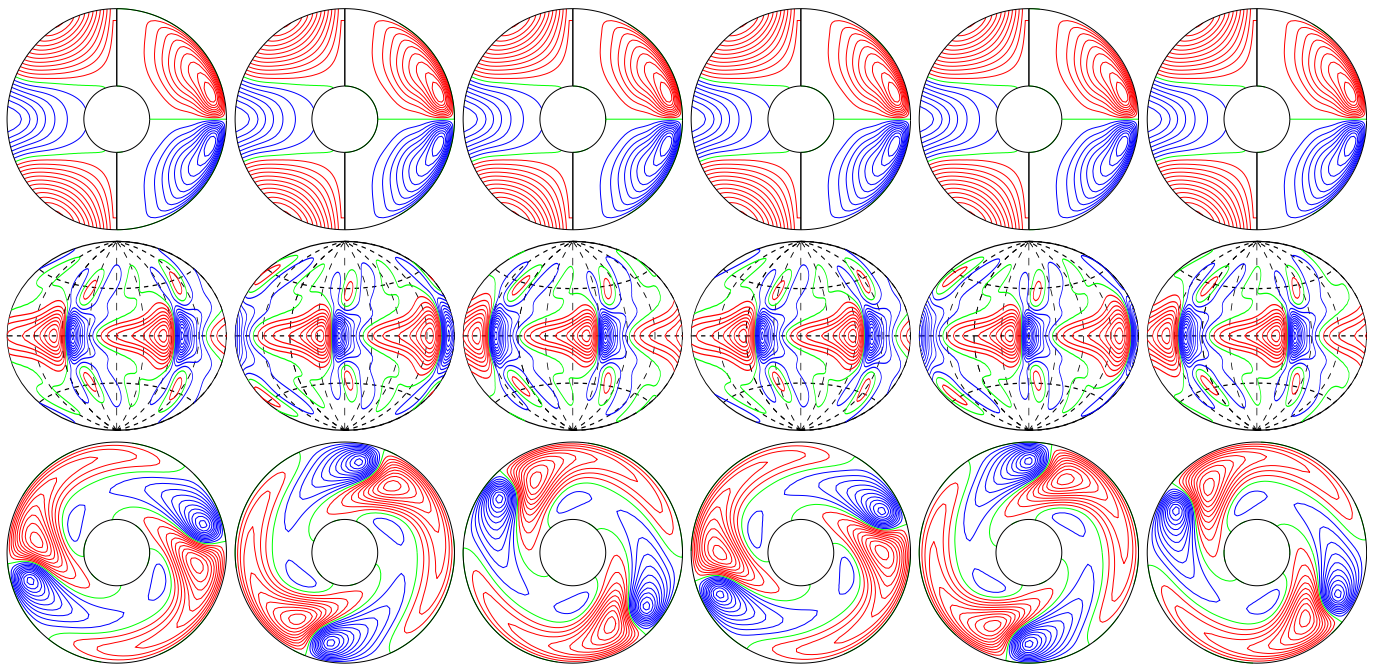
Nusselt Number



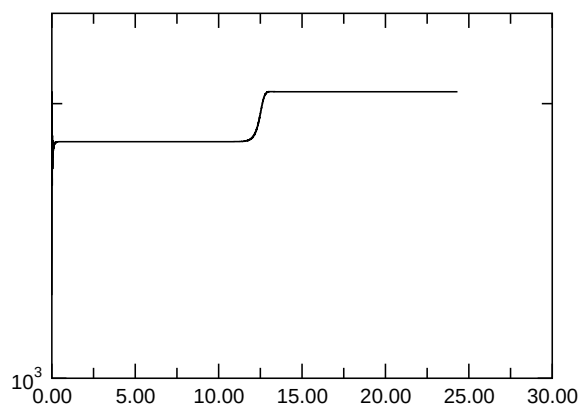
a.e03p1t03r-50000m1n2N2z4.8e4Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

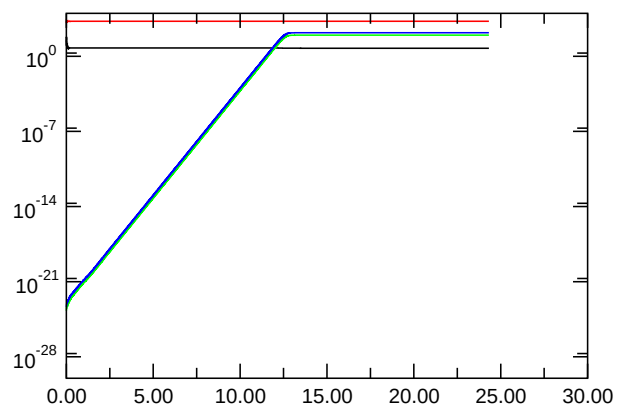
April 27, 2016



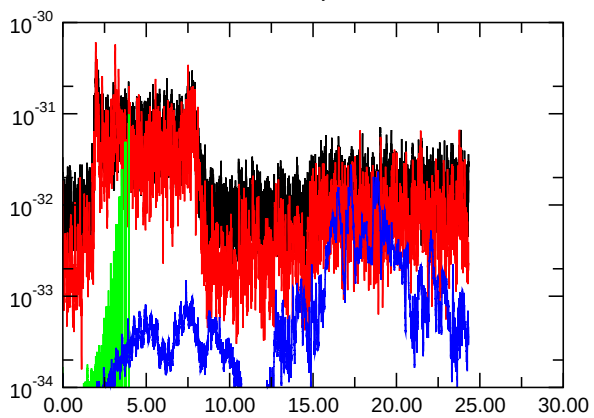
a.e03p1t03r-50000m1n2N2z4.8e4Y  
 $E_{kin}$



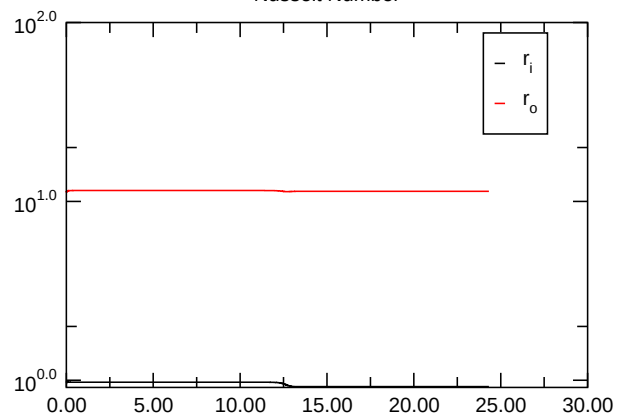
$E_{kin,symm.}$



$E_{kin,asymm.}$

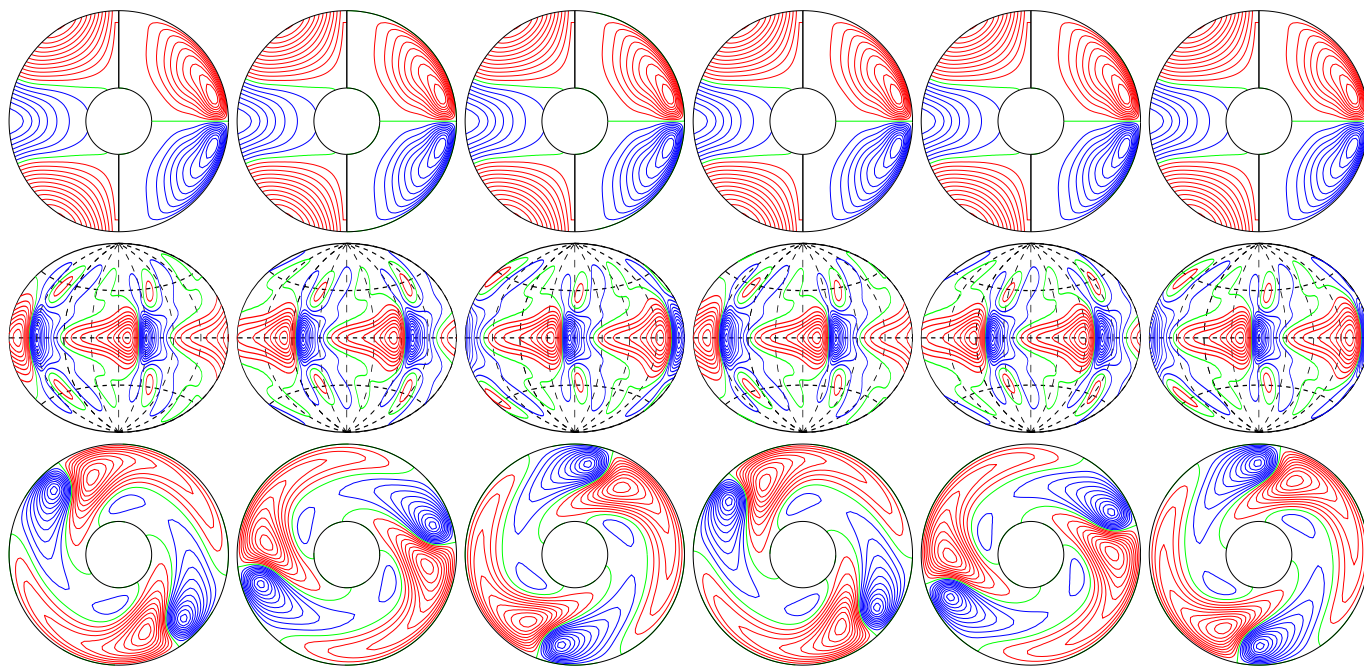


Nusselt Number

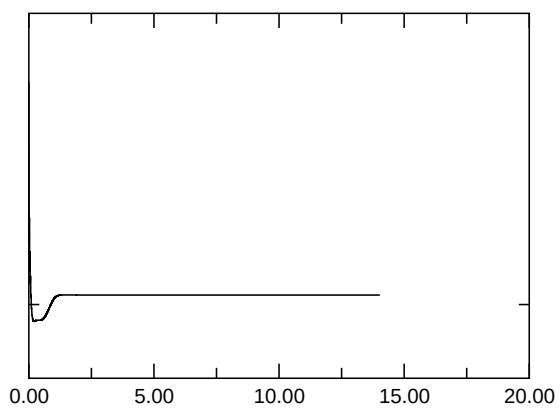


a.e03p1t03r-50000m1n2N2z4.8e4Ya.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

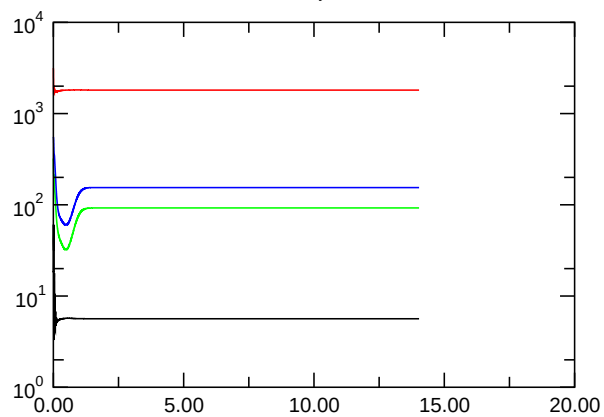
April 27, 2016



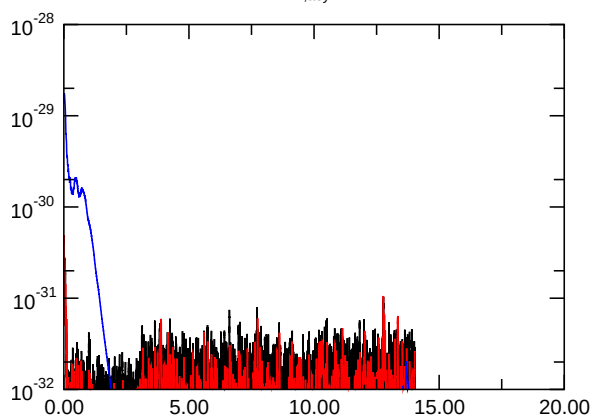
a.e03p1t03r-50000m1n2N2z4.8e4Ya  
 $E_{\text{kin}}$



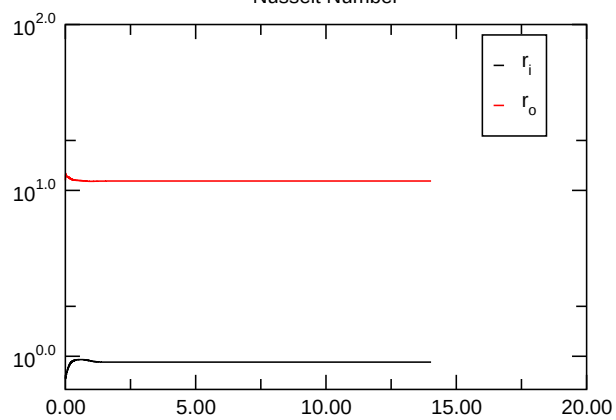
$E_{\text{kin, symm.}}$



$E_{\text{kin, asymm.}}$



Nusselt Number

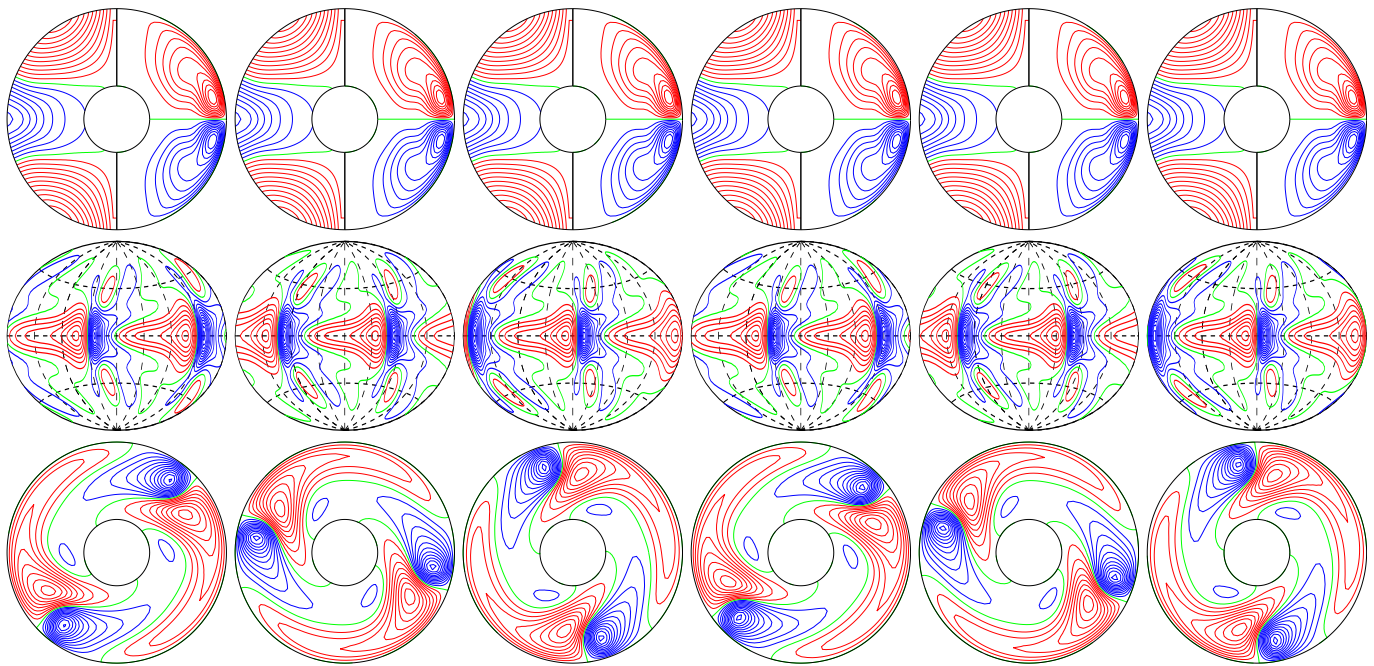




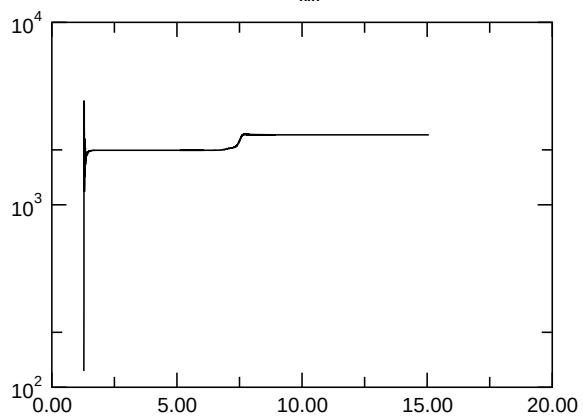
a.e03p1t03r-50000m1n2N2z5.0e4Y.11

times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

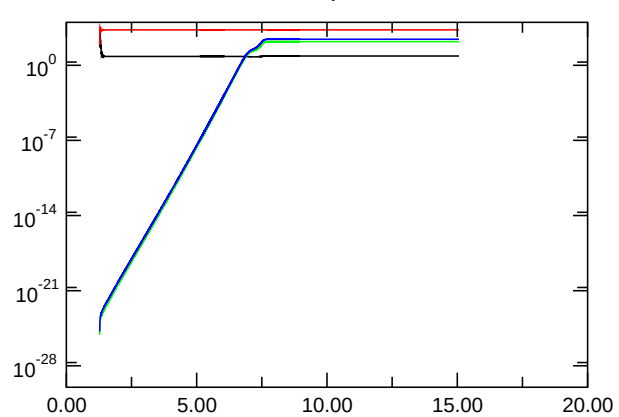
April 27, 2016



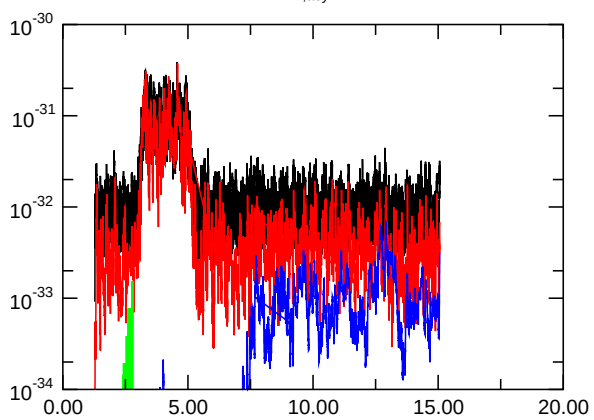
a.e03p1t03r-50000m1n2N2z5.0e4Y  
 $E_{\text{kin}}$



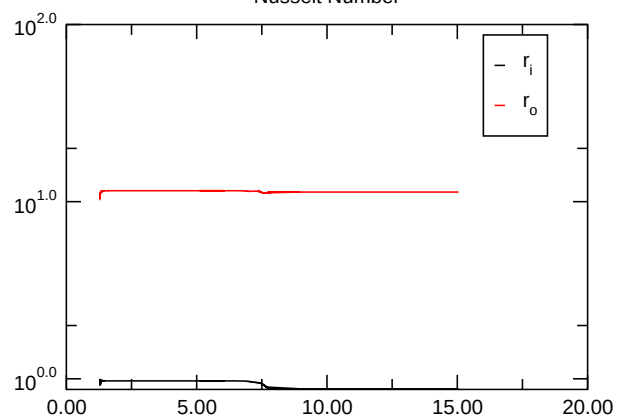
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



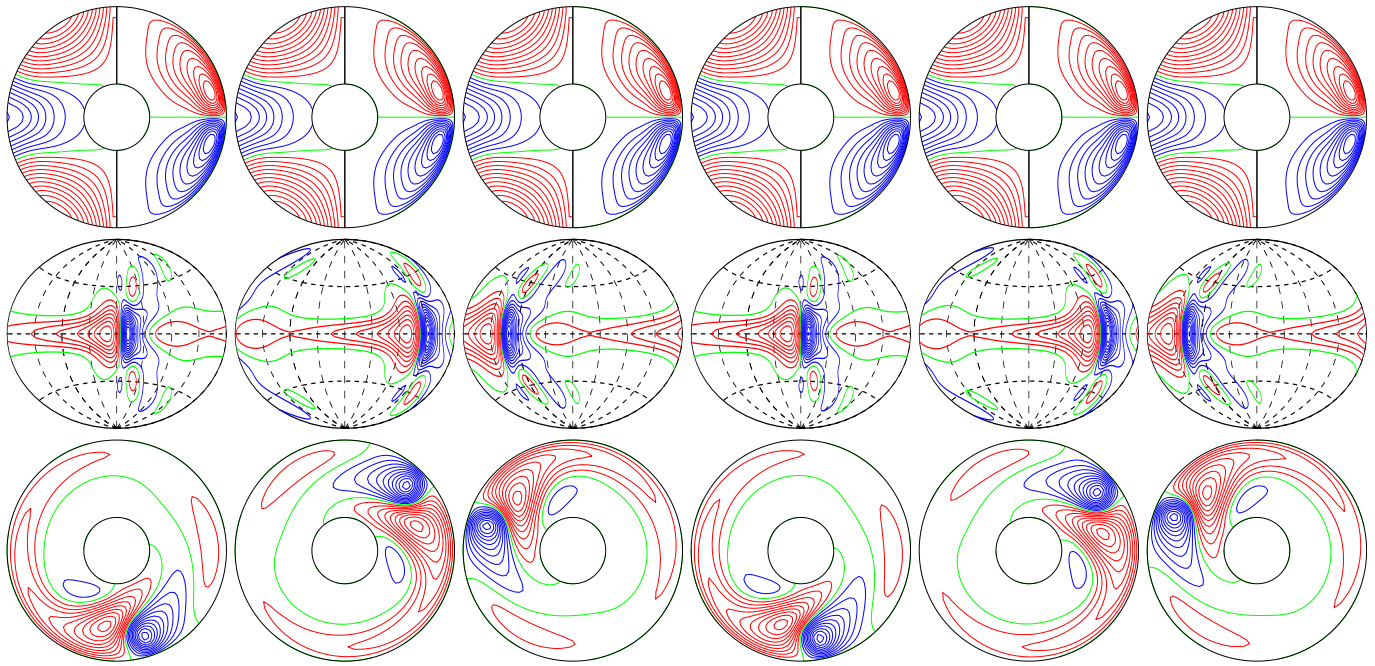
Nusselt Number



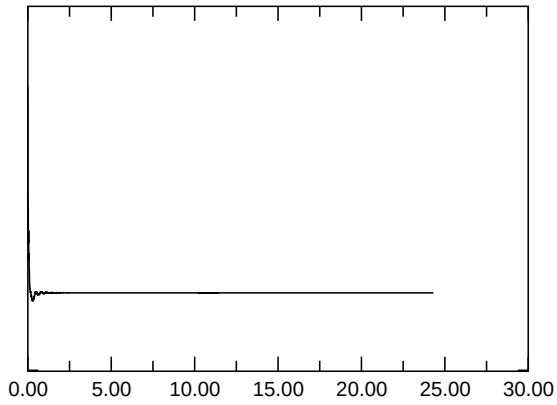
a.e03p1t03r-50000m1n2N2z5.2e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

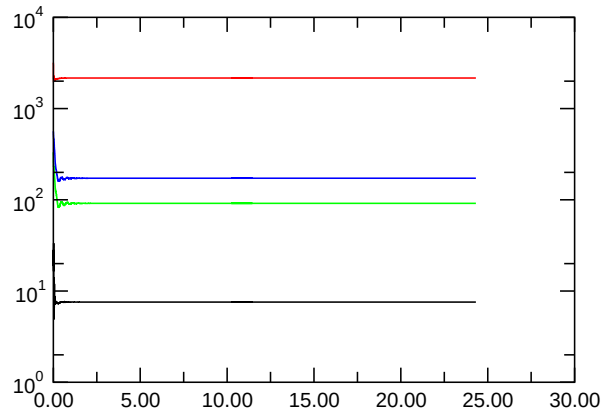
April 27, 2016



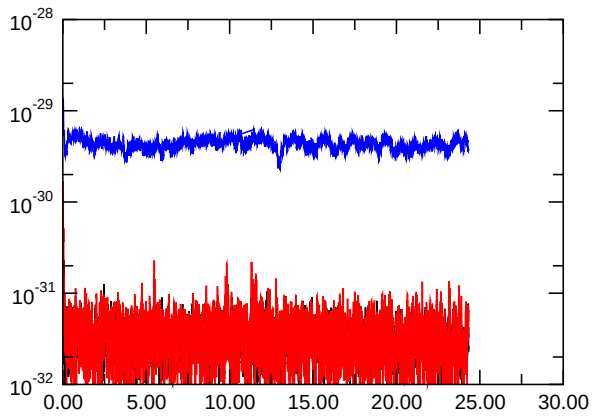
a.e03p1t03r-50000m1n2N2z5.2e4Ya  
 $E_{\text{kin}}$



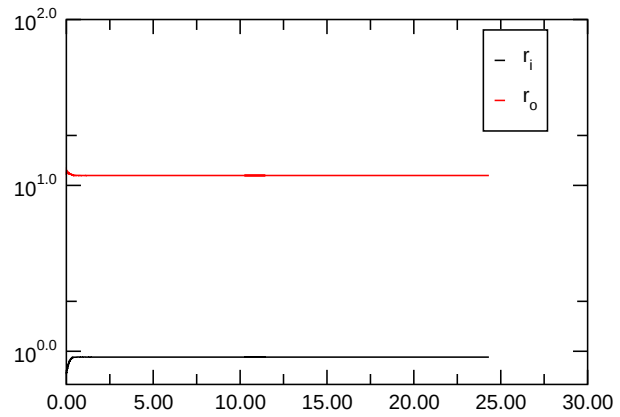
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

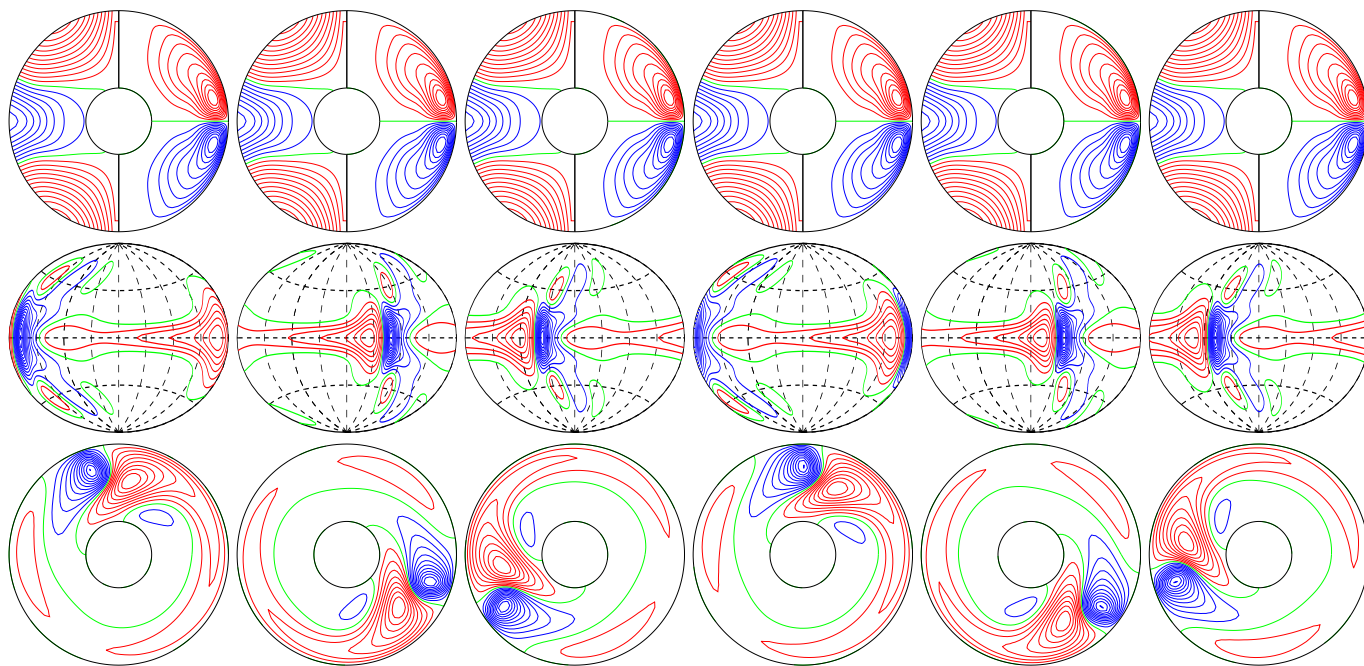


Nusselt Number

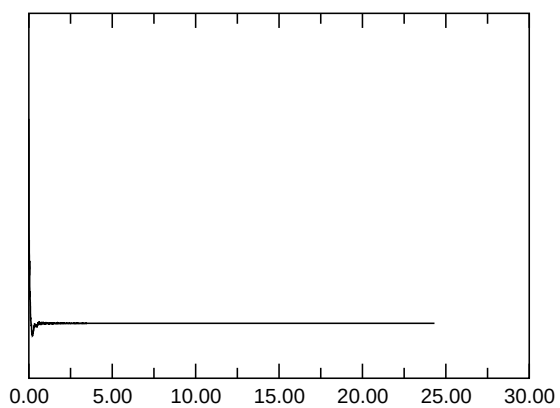


a.e03p1t03r-50000m1n2N2z5.4e4Ya.20  
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

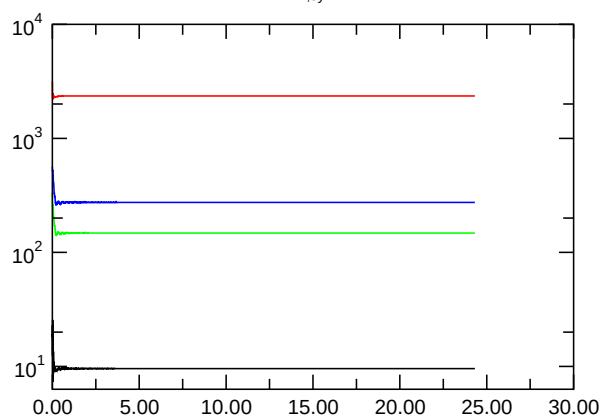
April 27, 2016



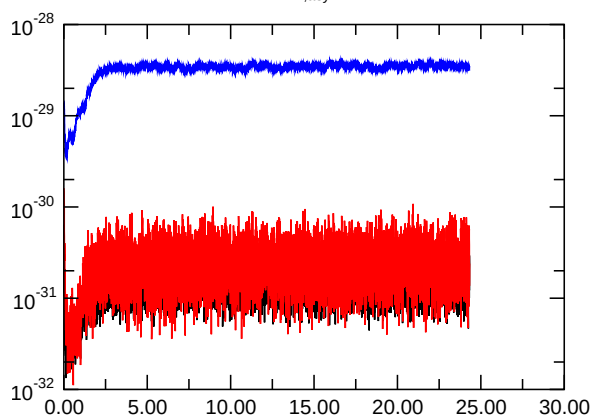
a.e03p1t03r-50000m1n2N2z5.4e4Ya  
 $E_{\text{kin}}$



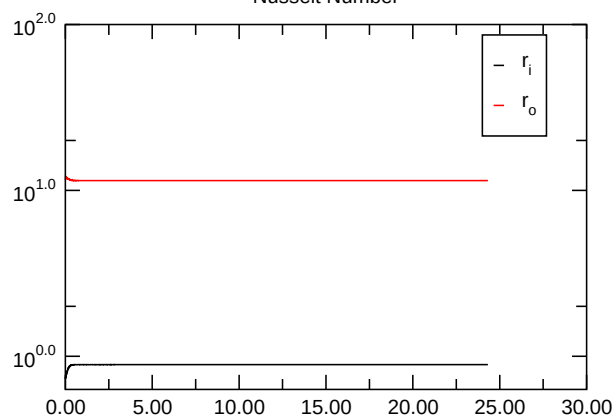
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



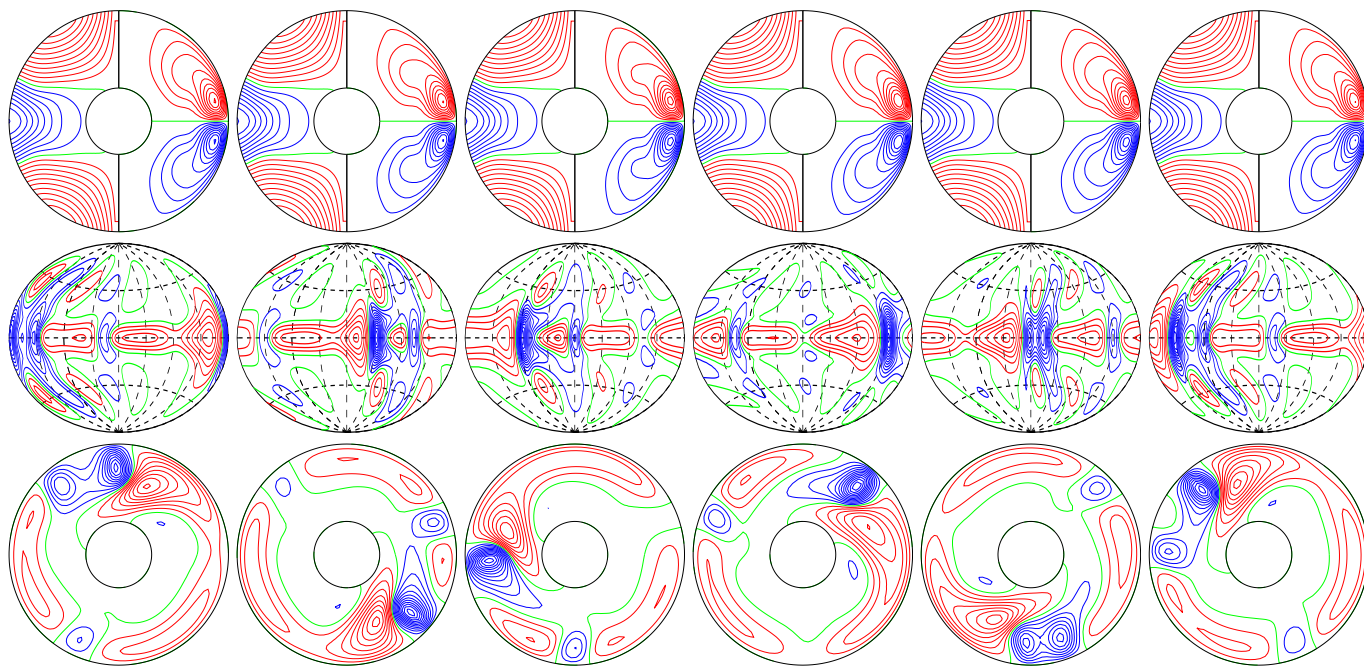
Nusselt Number



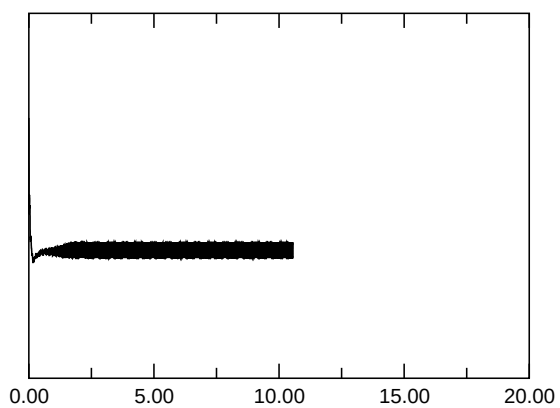
a.e03p1t03r-50000m1n2N2z5.6e4Ya.9

times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

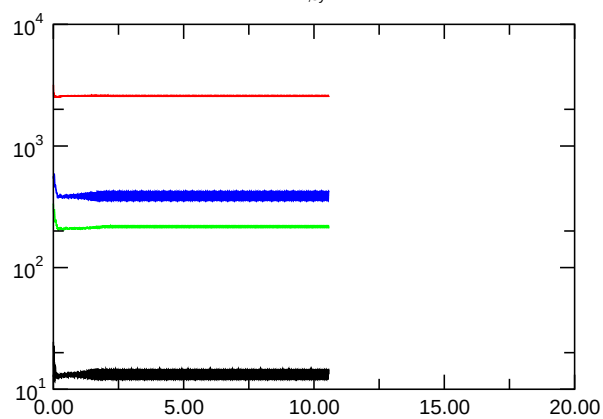
April 27, 2016



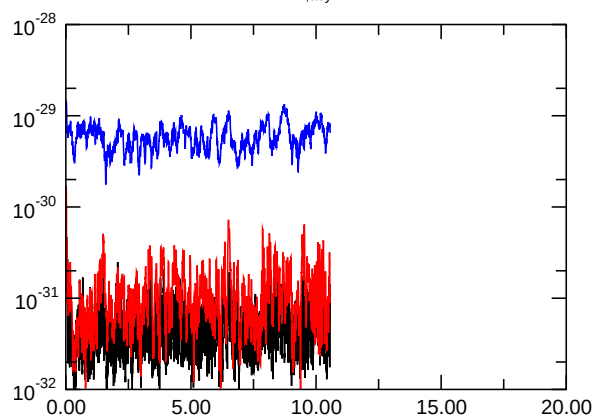
a.e03p1t03r-50000m1n2N2z5.6e4Ya  
 $E_{\text{kin}}$



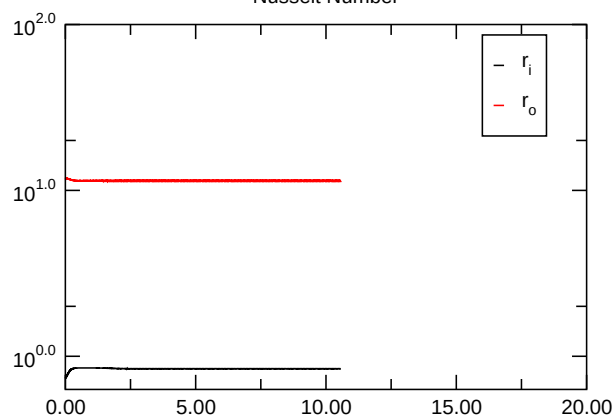
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



Nusselt Number

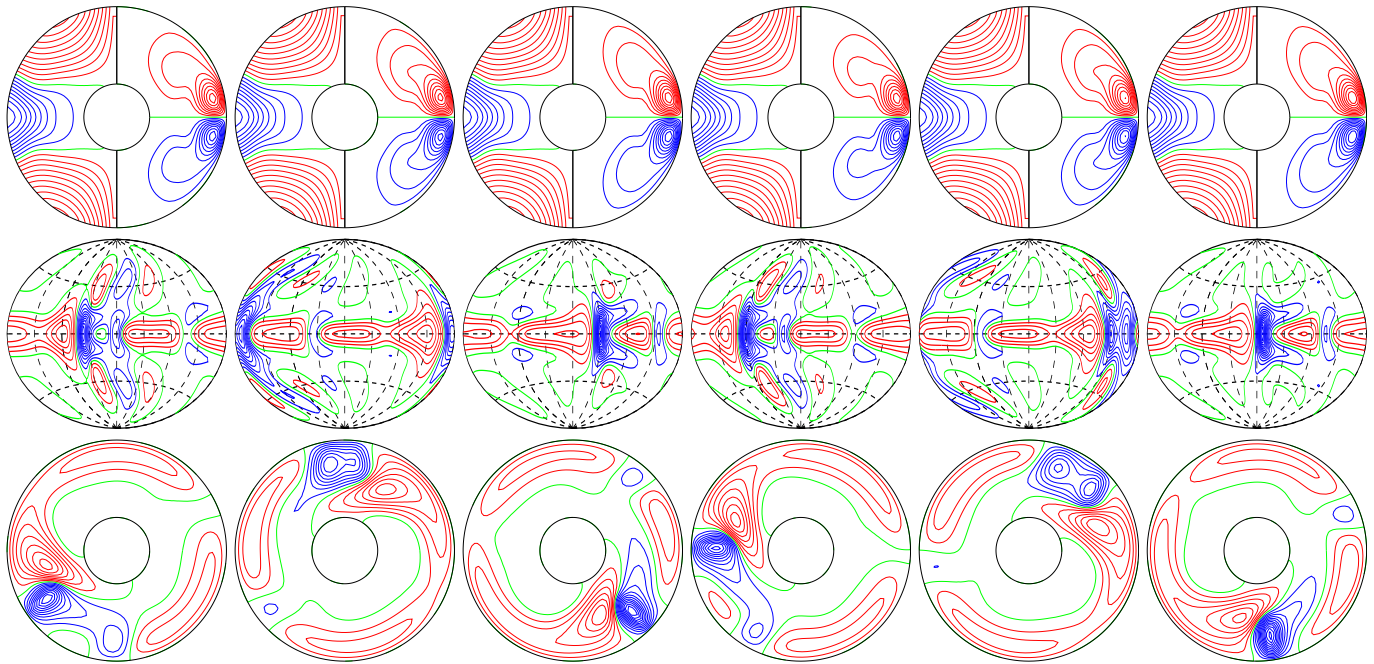




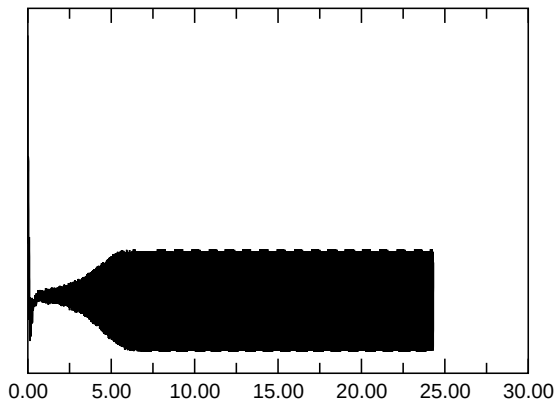
a.e03p1t03r-50000m1n2N2z5.8e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

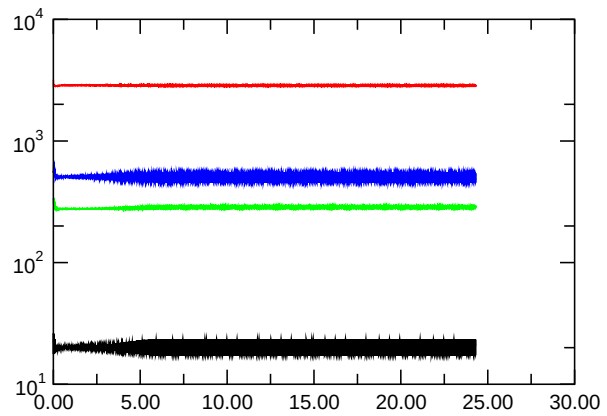
April 27, 2016



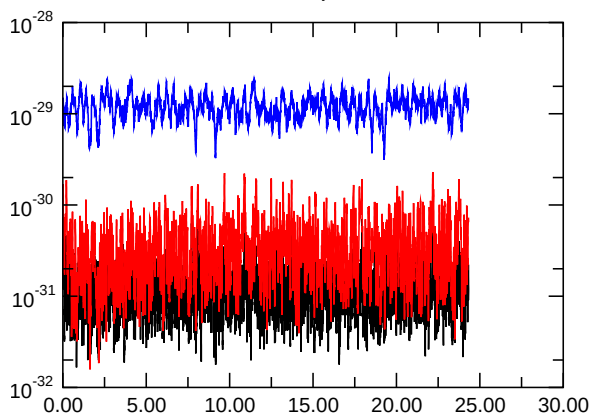
a.e03p1t03r-50000m1n2N2z5.8e4Ya  
 $E_{\text{kin}}$



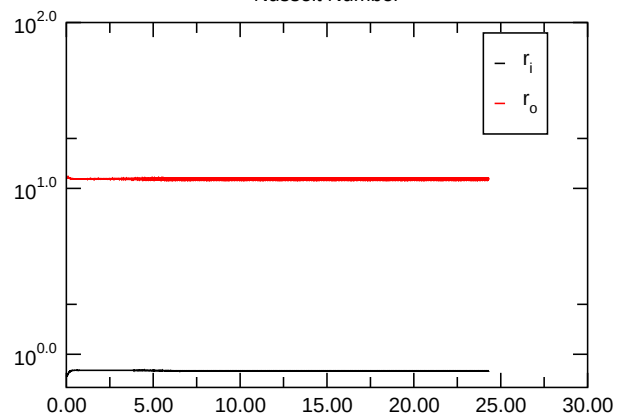
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



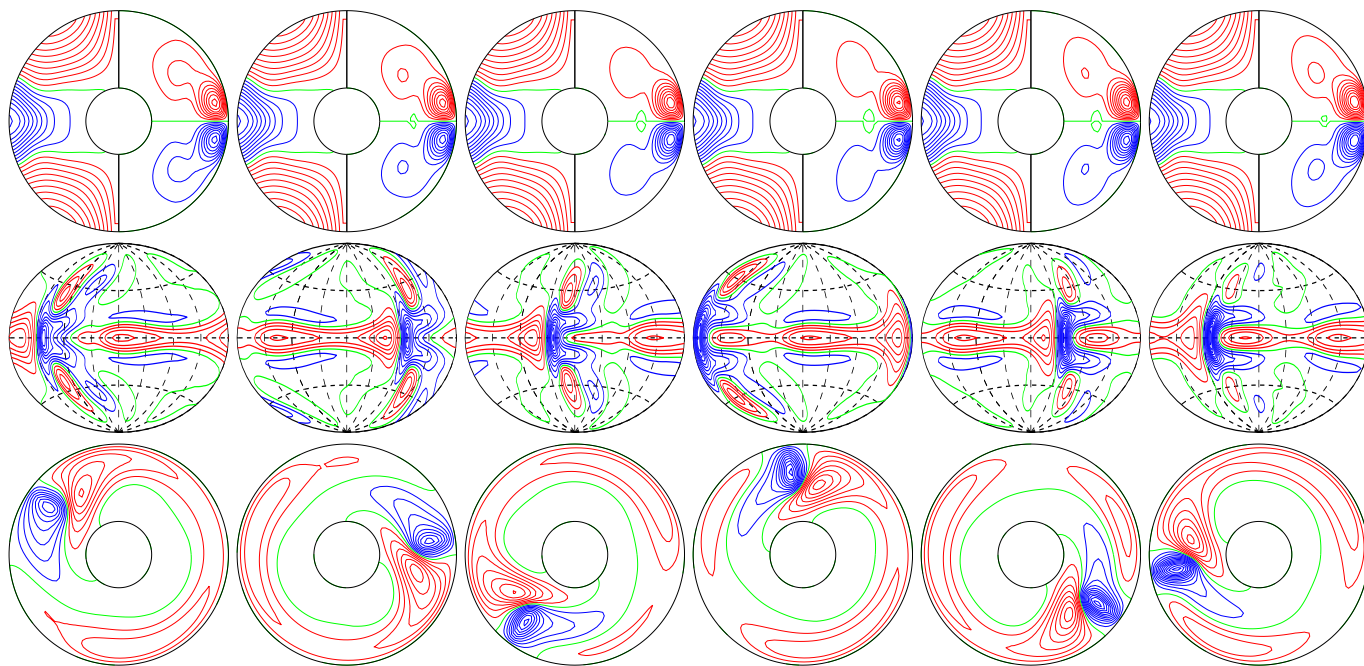
Nusselt Number



a.e03p1t03r-50000m1n2N2z6.0e4Y.20

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

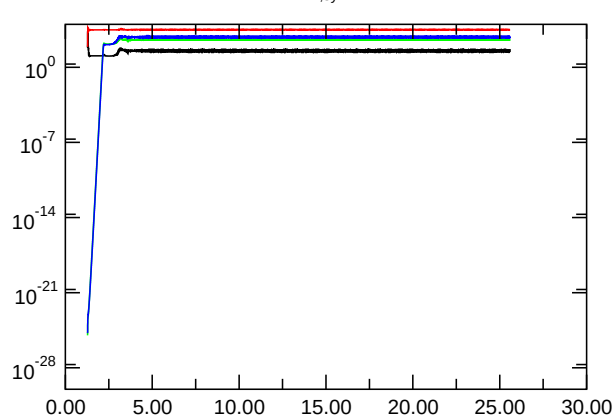
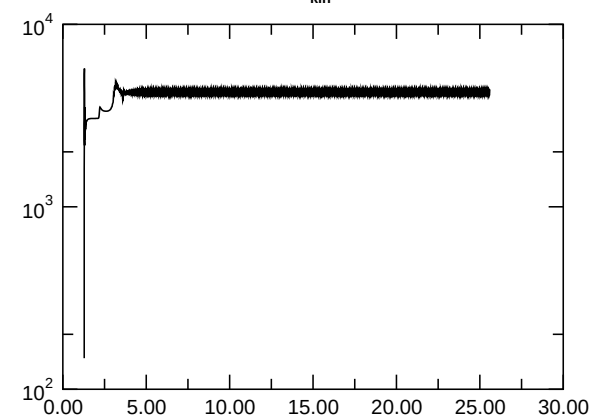
April 27, 2016



a.e03p1t03r-50000m1n2N2z6.0e4Y

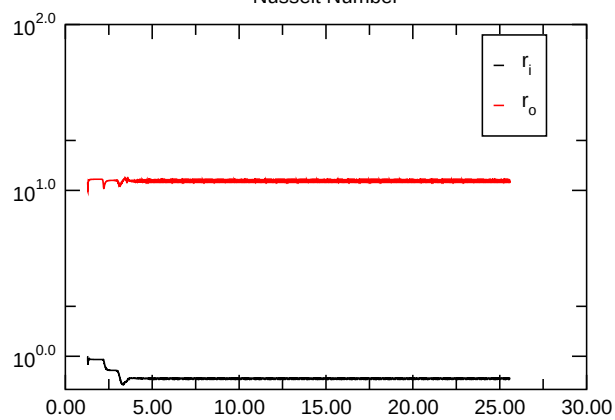
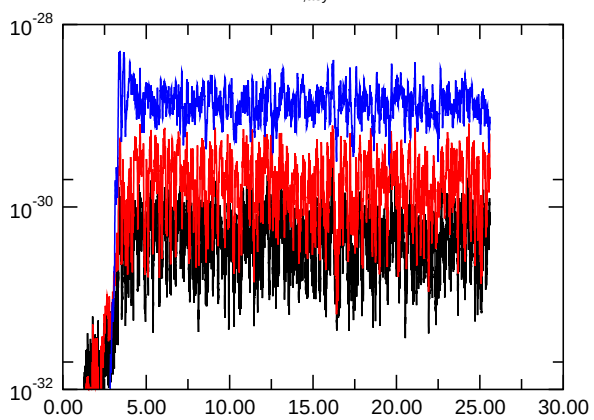
$E_{\text{kin}}$

$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

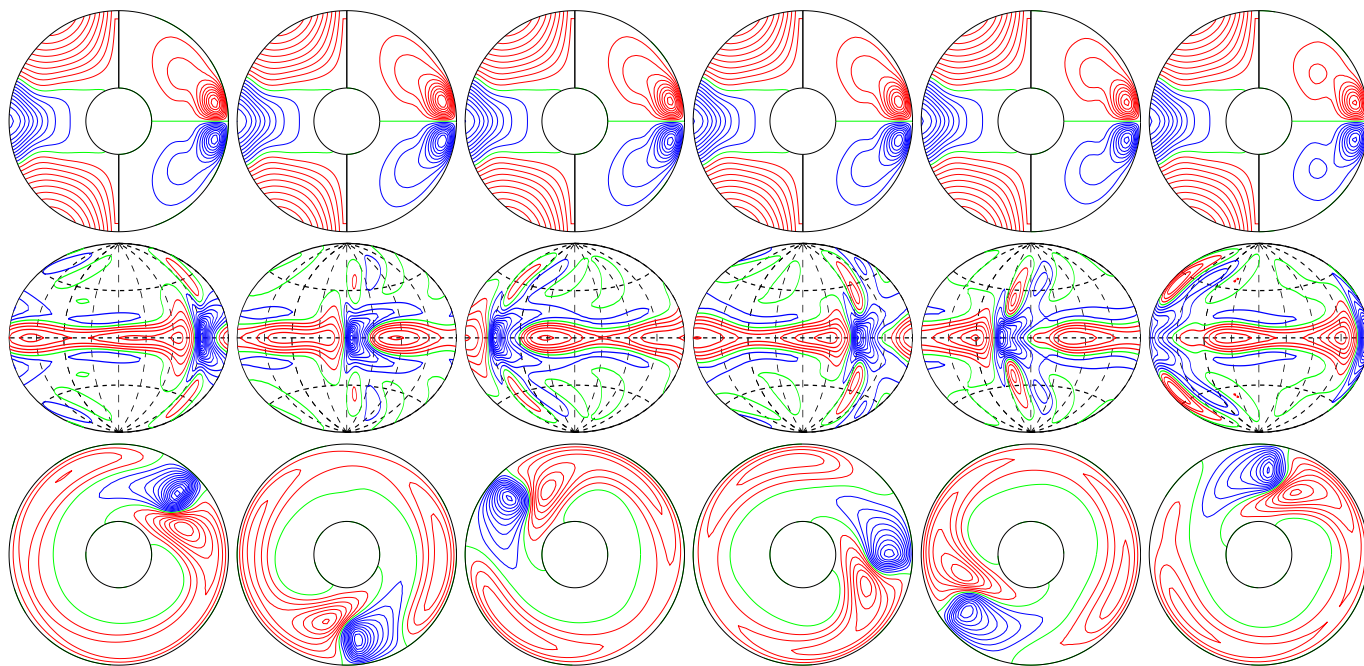
Nusselt Number



a.e03p1t03r-50000m1n2N2z6.0e4Ya.9

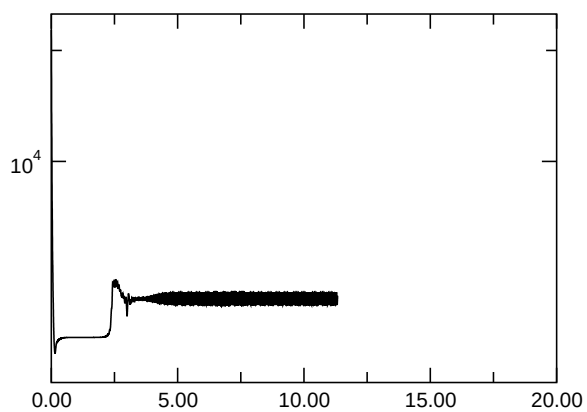
times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

April 27, 2016

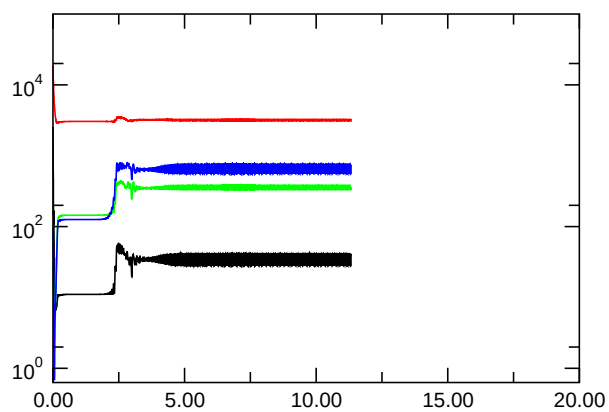


a.e03p1t03r-50000m1n2N2z6.0e4Ya

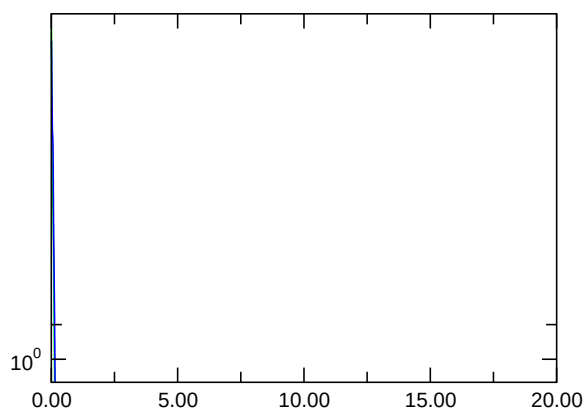
$E_{\text{kin}}$



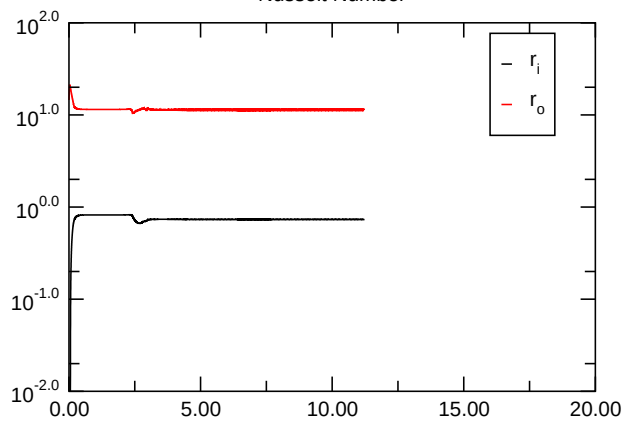
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

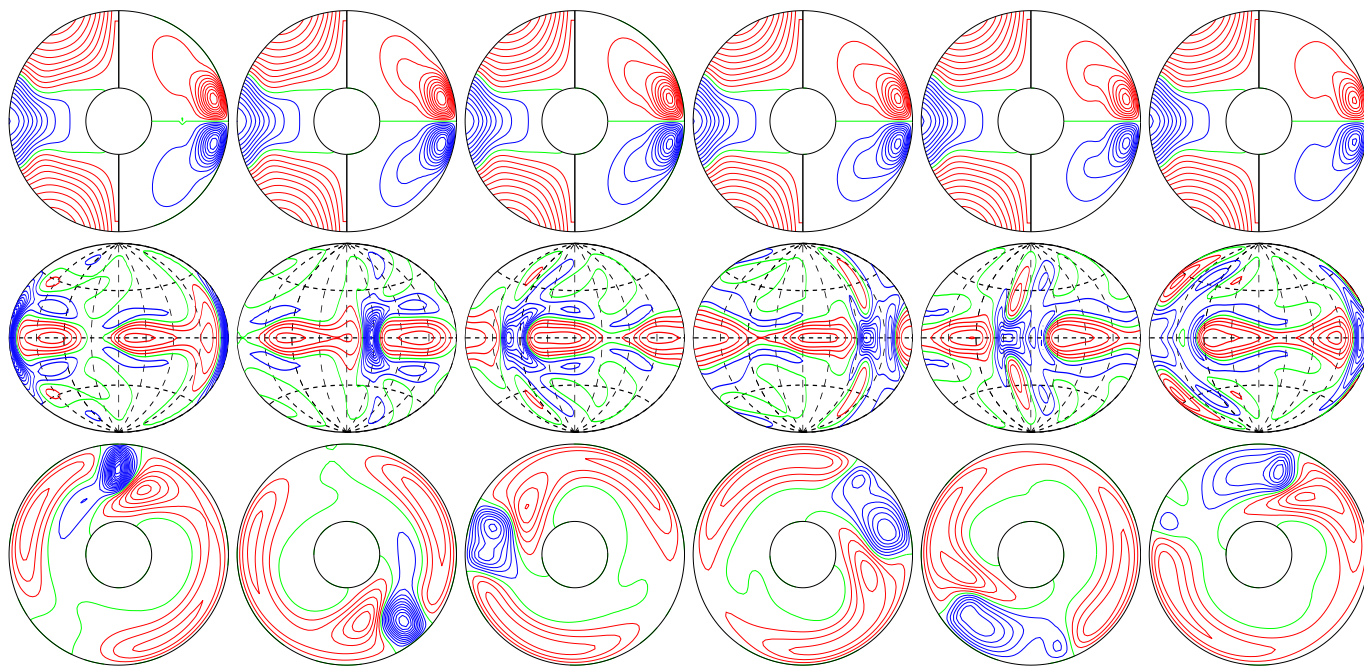


Nusselt Number

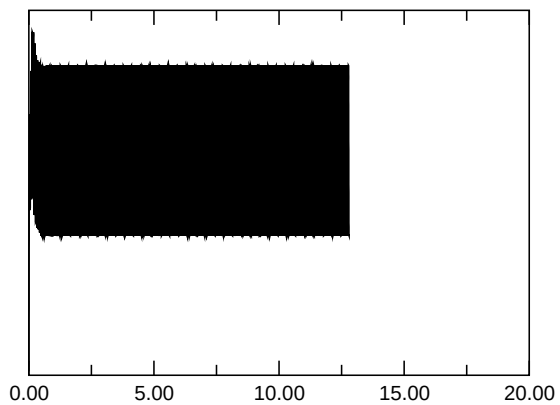


a.e03p1t03r-50000m1n2N2z6.2e4Yb.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

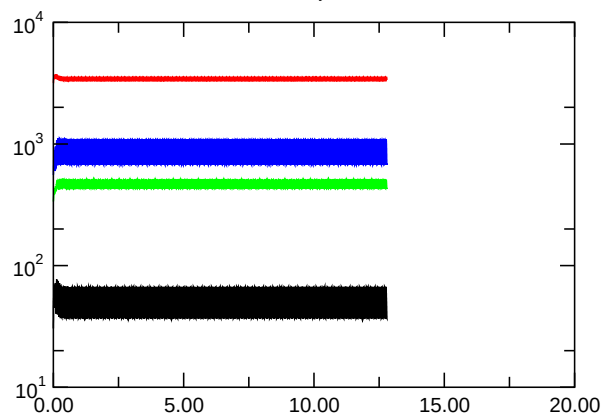
April 27, 2016



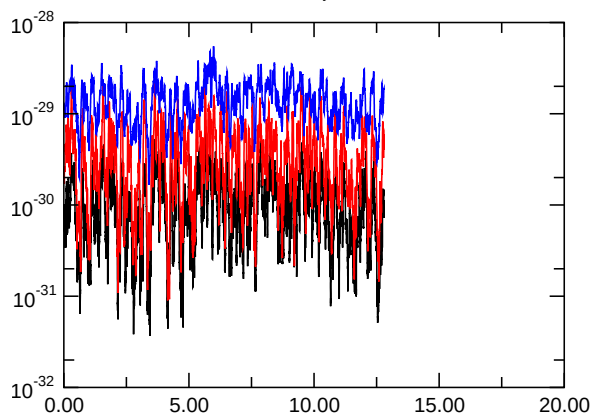
a.e03p1t03r-50000m1n2N2z6.2e4Yb  
 $E_{\text{kin}}$



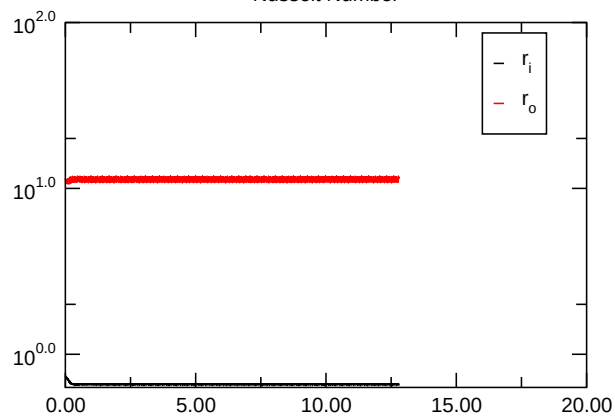
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



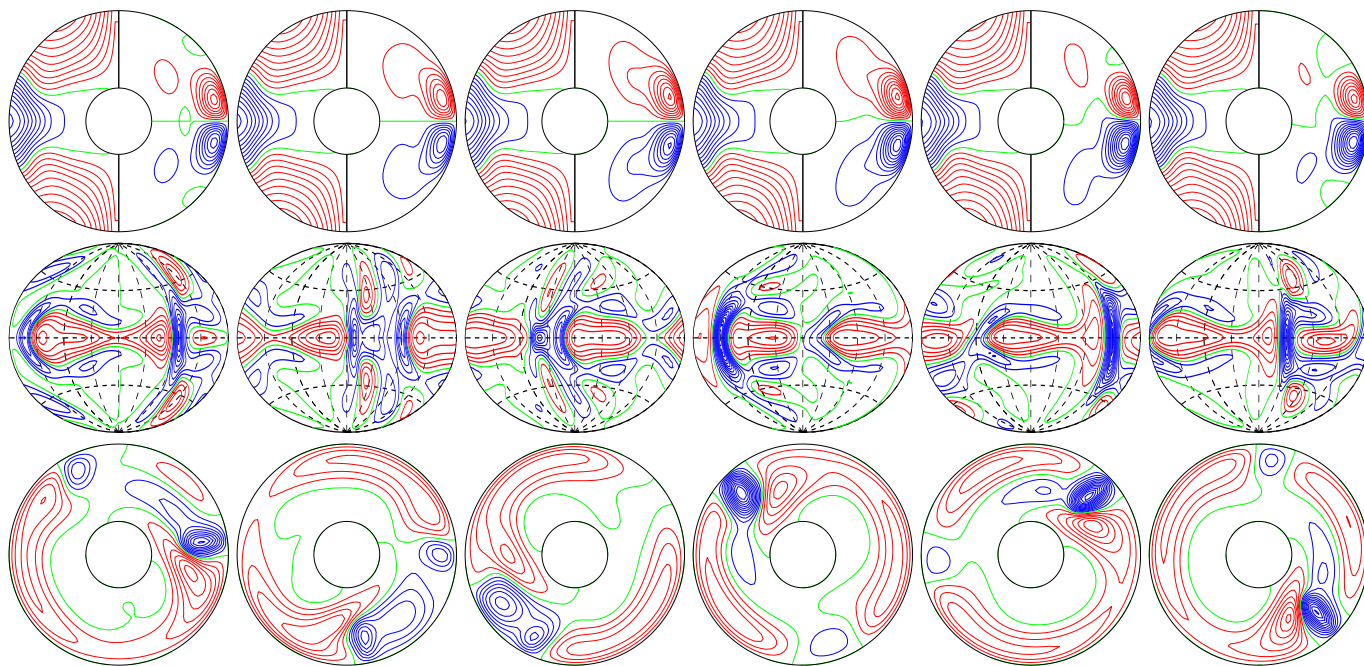
Nusselt Number



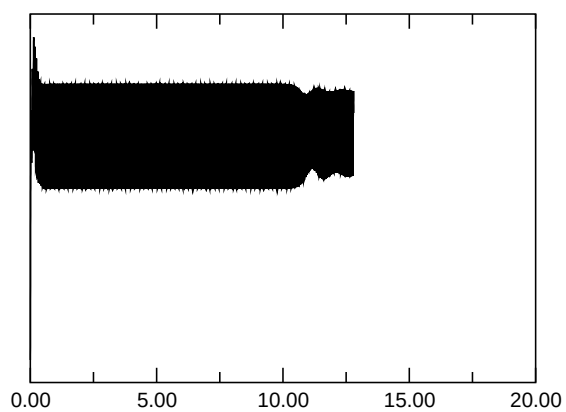


a.e03p1t03r-50000m1n2N2z6.4e4Yb.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

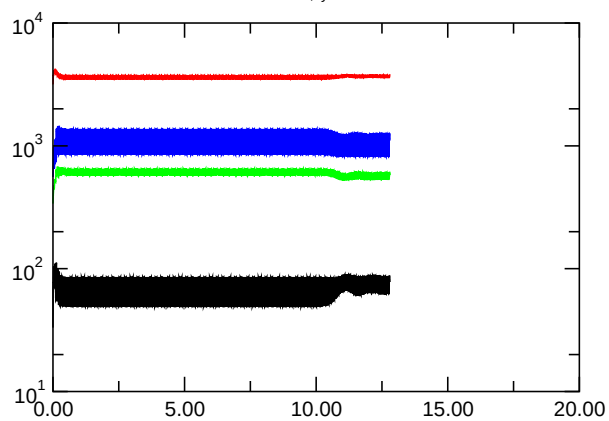
April 27, 2016



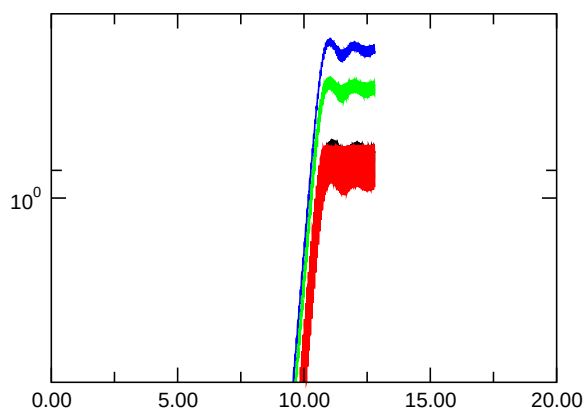
a.e03p1t03r-50000m1n2N2z6.4e4Yb  
 $E_{\text{kin}}$



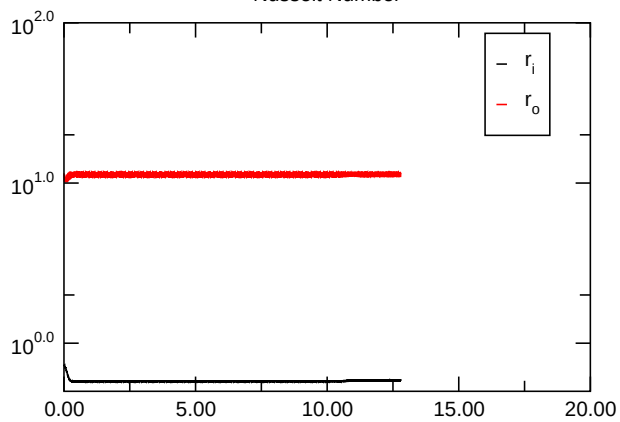
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



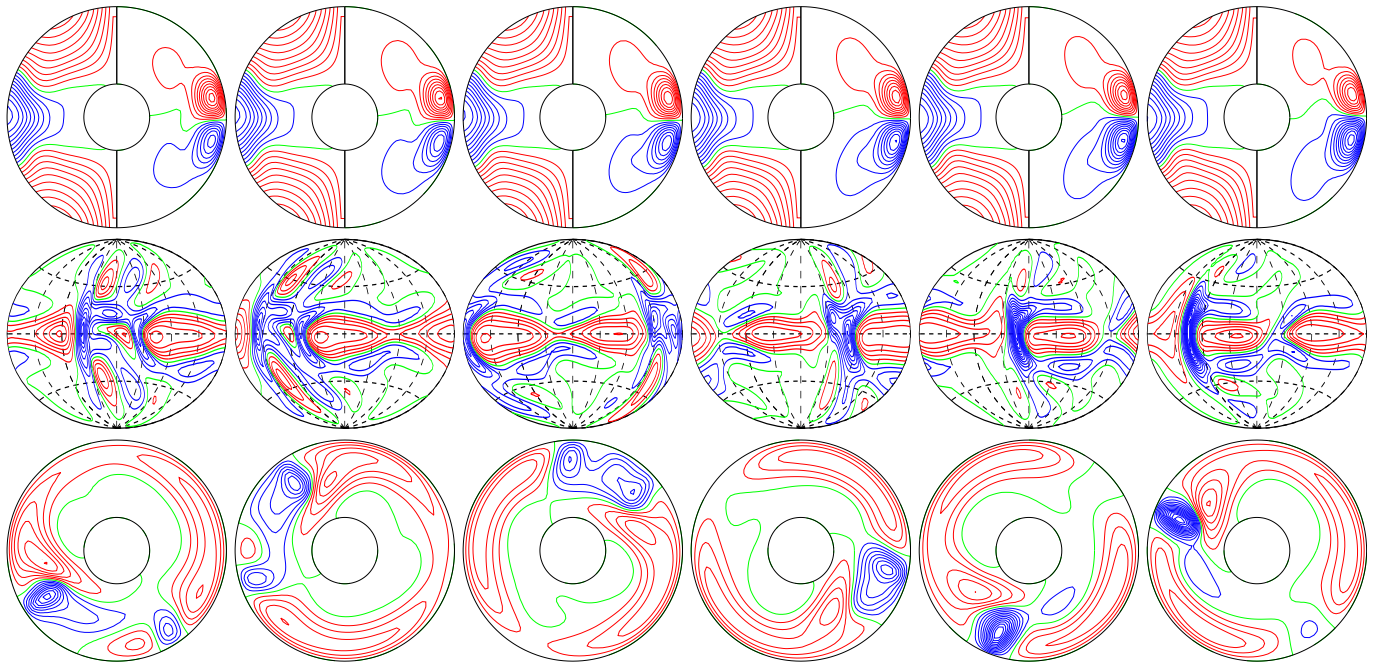
Nusselt Number



a.e03p1t03r-50000m1n2N2z6.4e4Ya.9

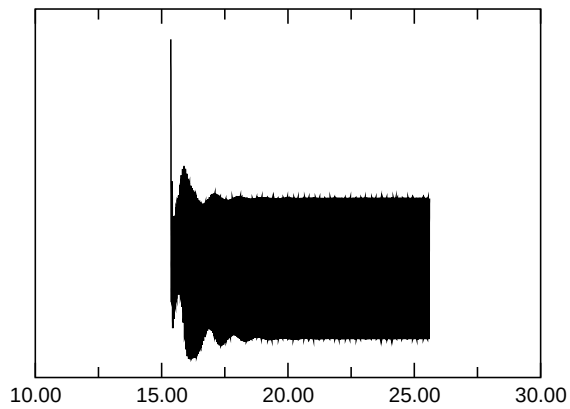
April 27, 2016

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

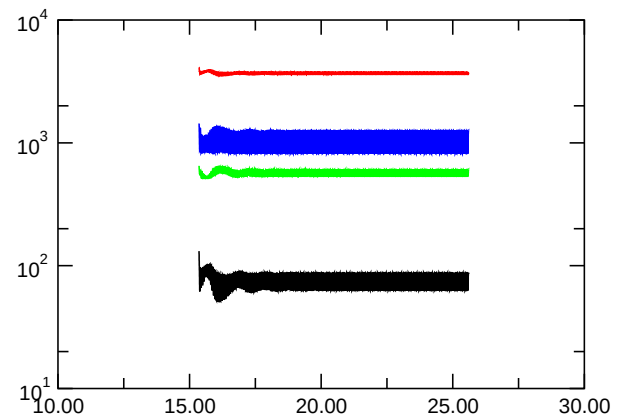


a.e03p1t03r-50000m1n2N2z6.4e4Ya

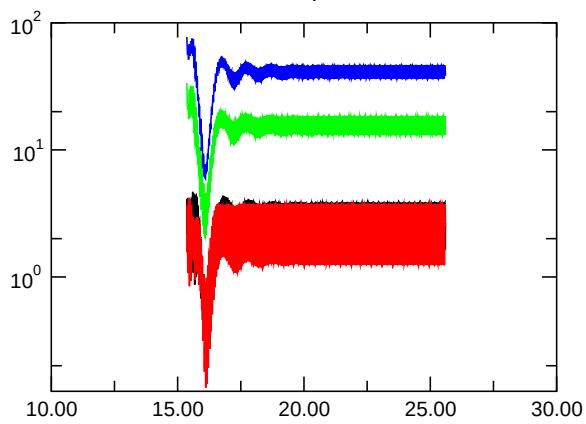
$E_{\text{kin}}$



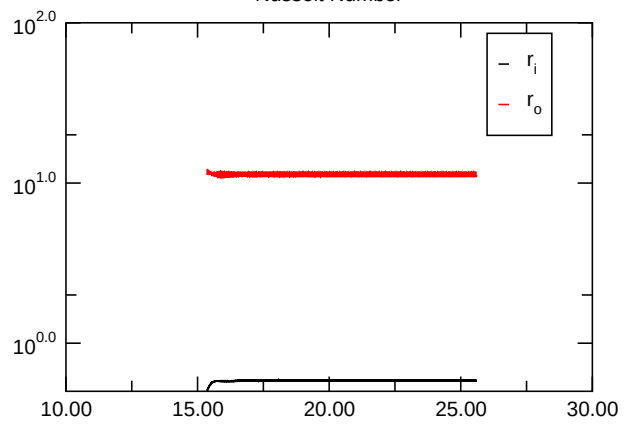
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



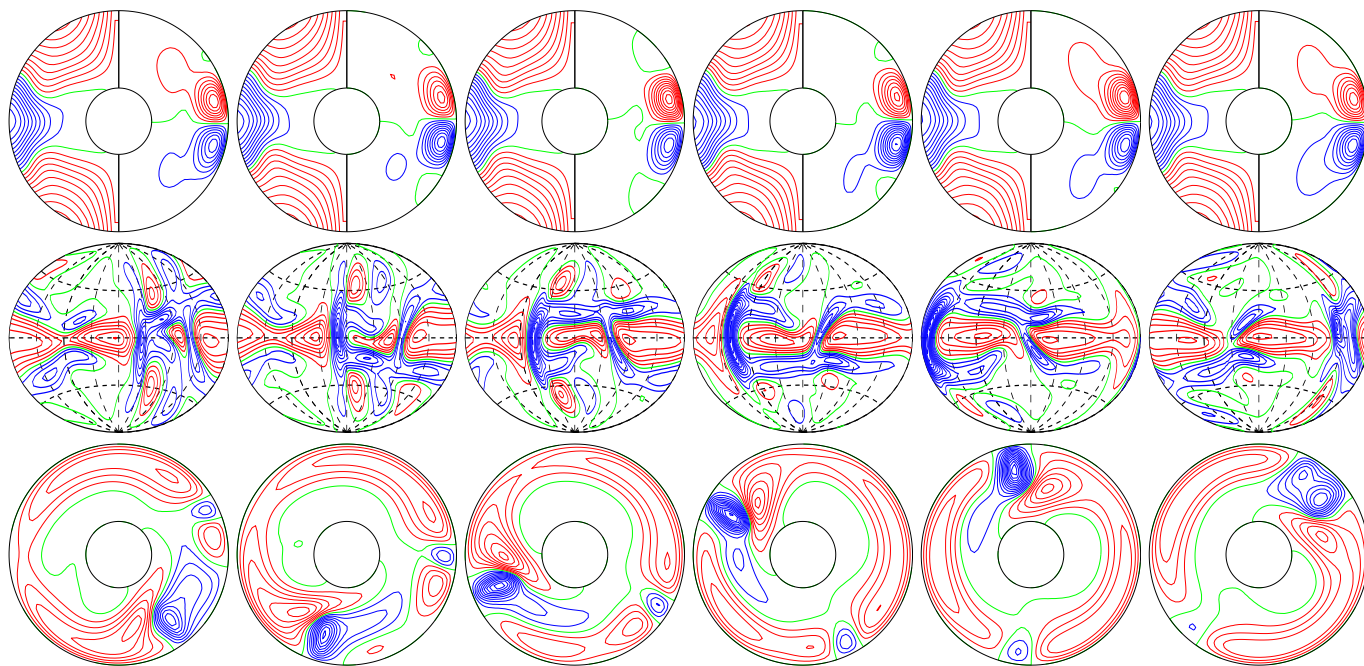
Nusselt Number



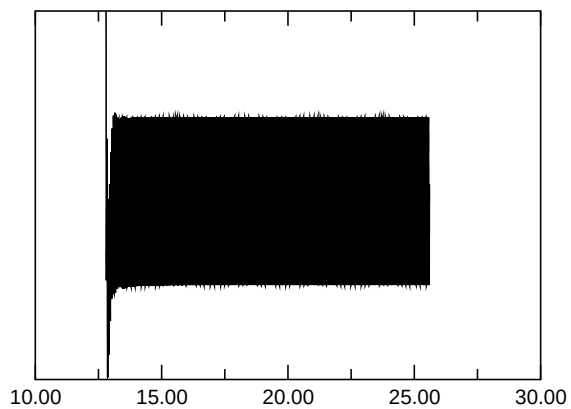
a.e03p1t03r-50000m1n2N2z6.6e4Ya.11

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

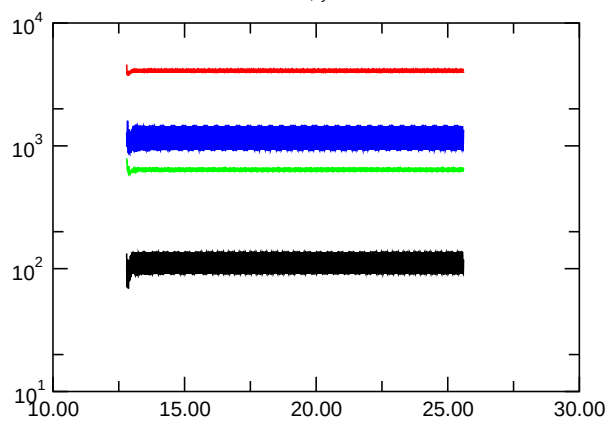
April 27, 2016



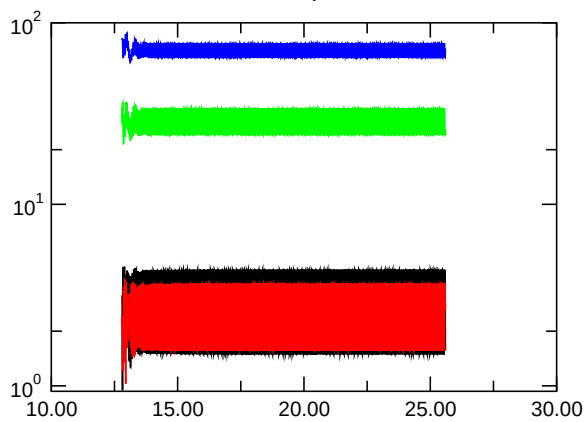
a.e03p1t03r-50000m1n2N2z6.6e4Ya  
 $E_{\text{kin}}$



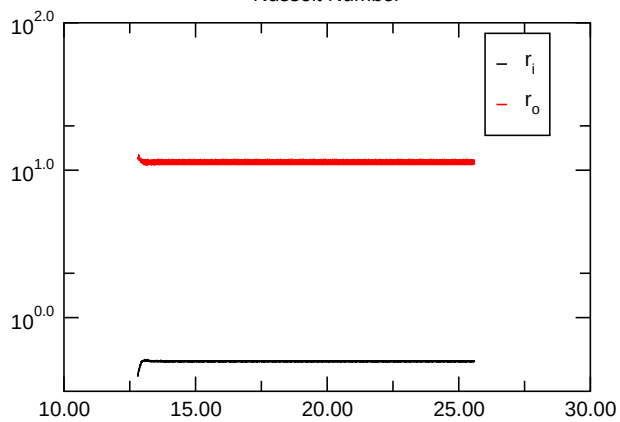
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



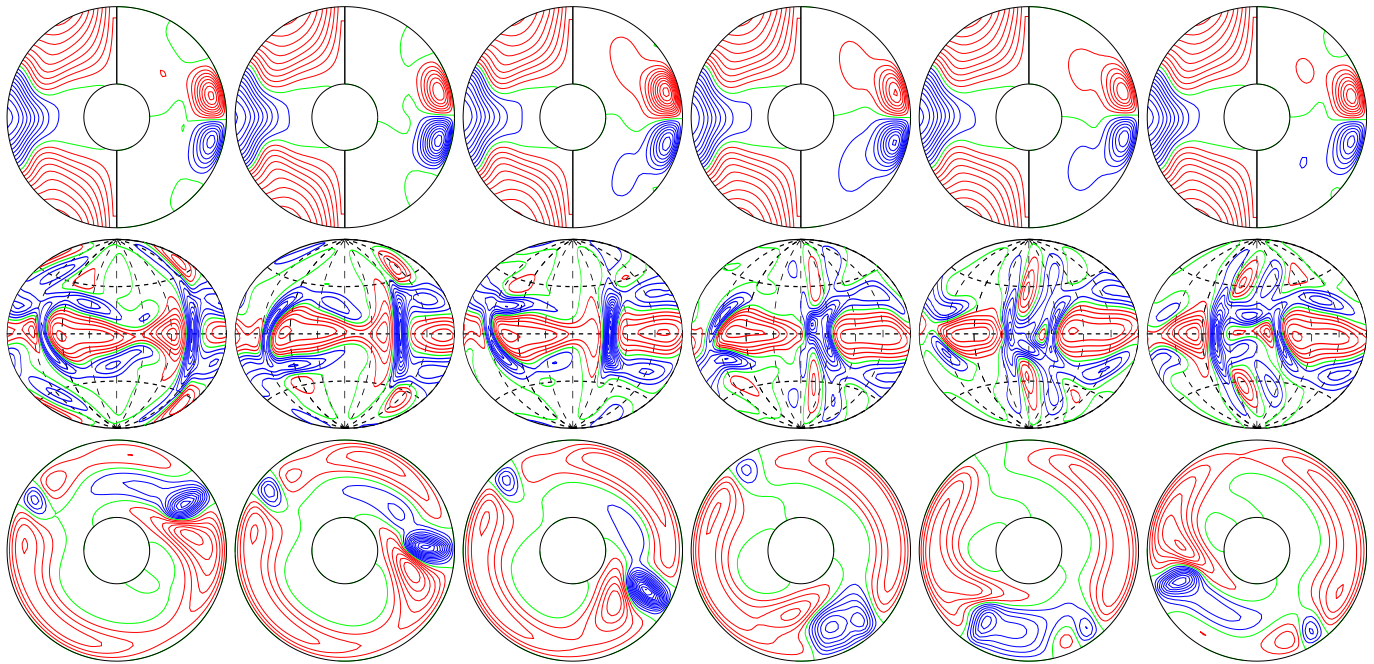
Nusselt Number



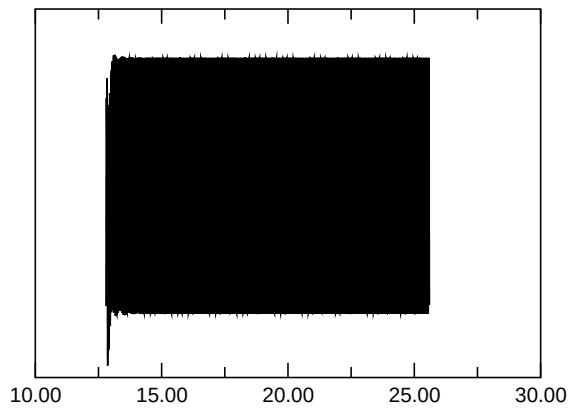
a.e03p1t03r-50000m1n2N2z6.8e4Ya.11

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

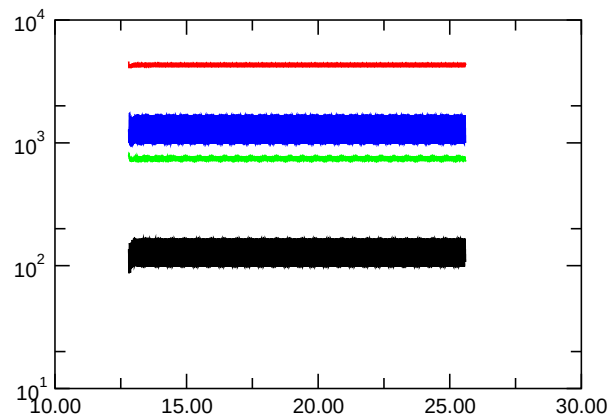
April 27, 2016



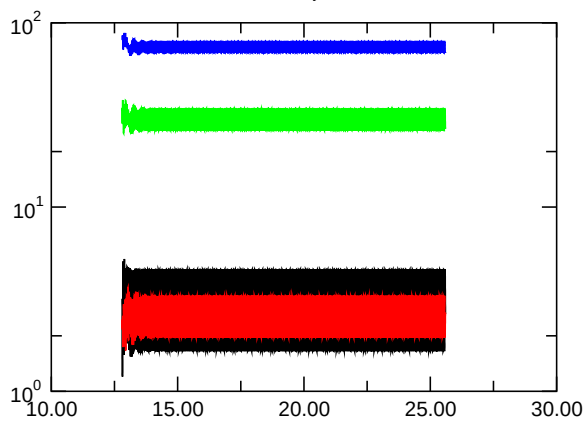
a.e03p1t03r-50000m1n2N2z6.8e4Ya  
 $E_{\text{kin}}$



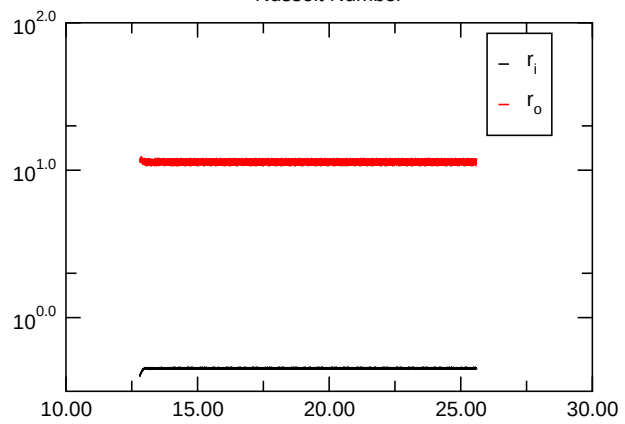
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



Nusselt Number

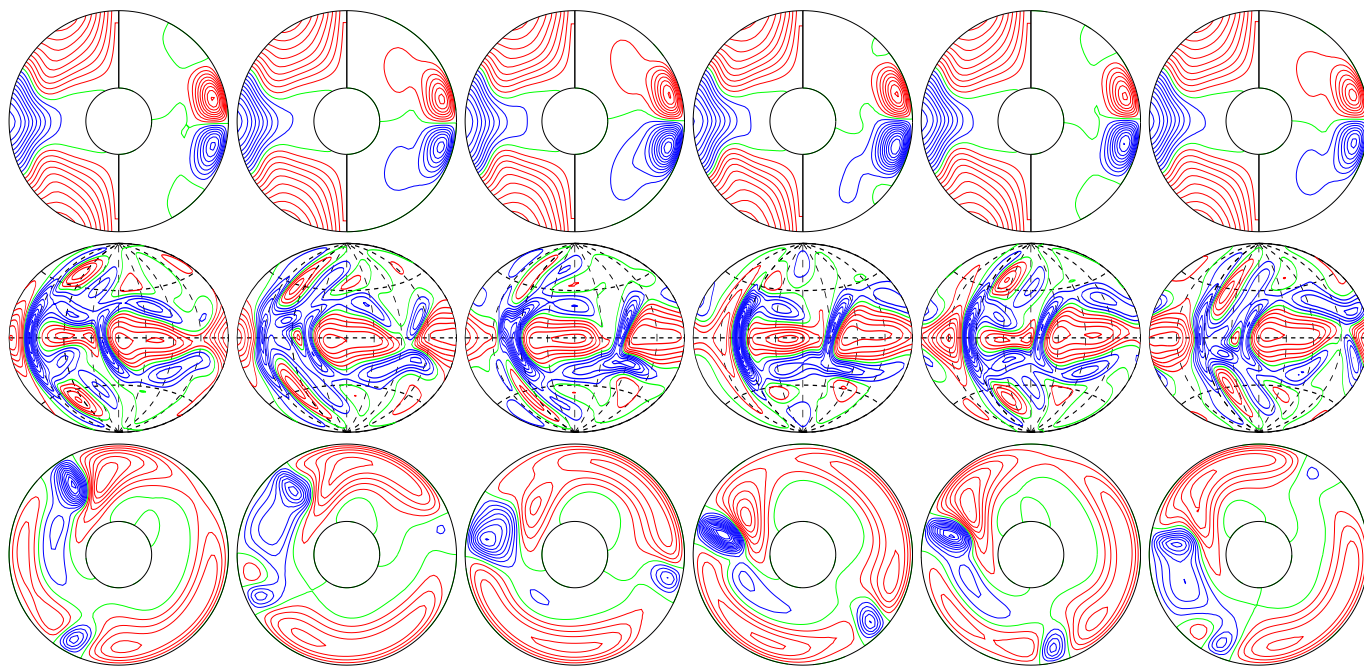




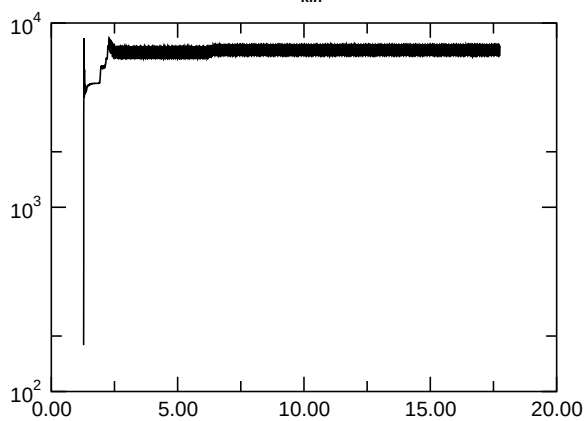
a.e03p1t03r-50000m1n2N2z7.0e4Y.30

times: 16.79697 16.81005 16.82313 16.83621 16.84929 16.86237

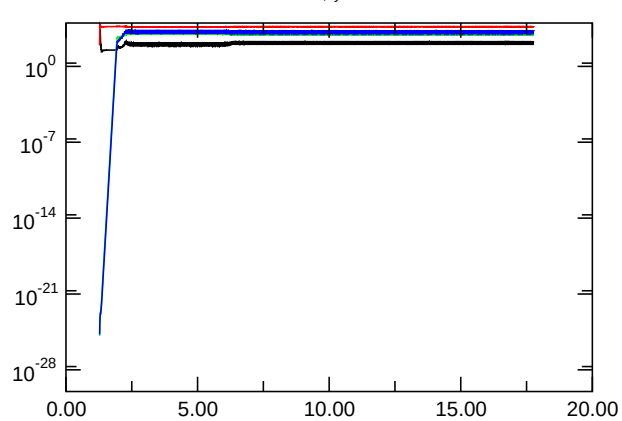
April 27, 2016



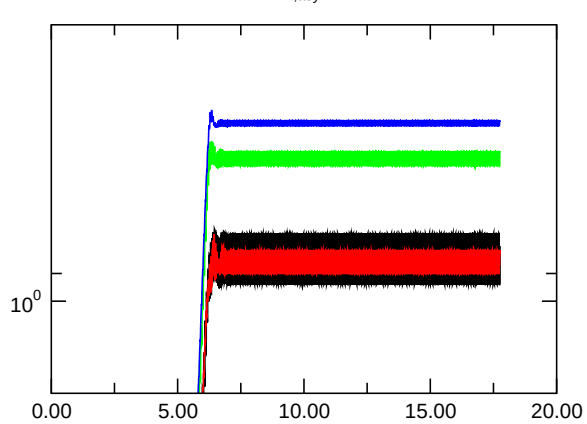
a.e03p1t03r-50000m1n2N2z7.0e4Y  
 $E_{\text{kin}}$



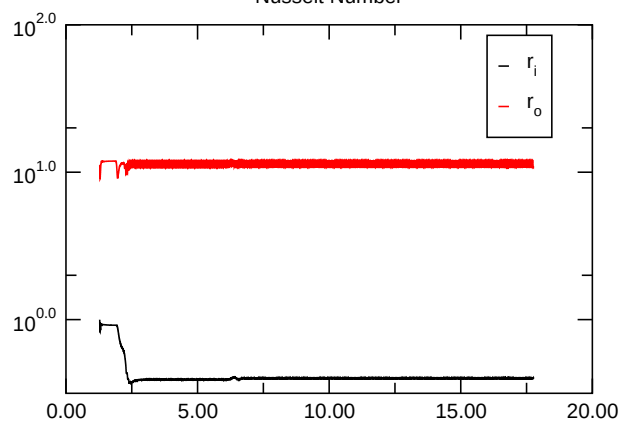
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



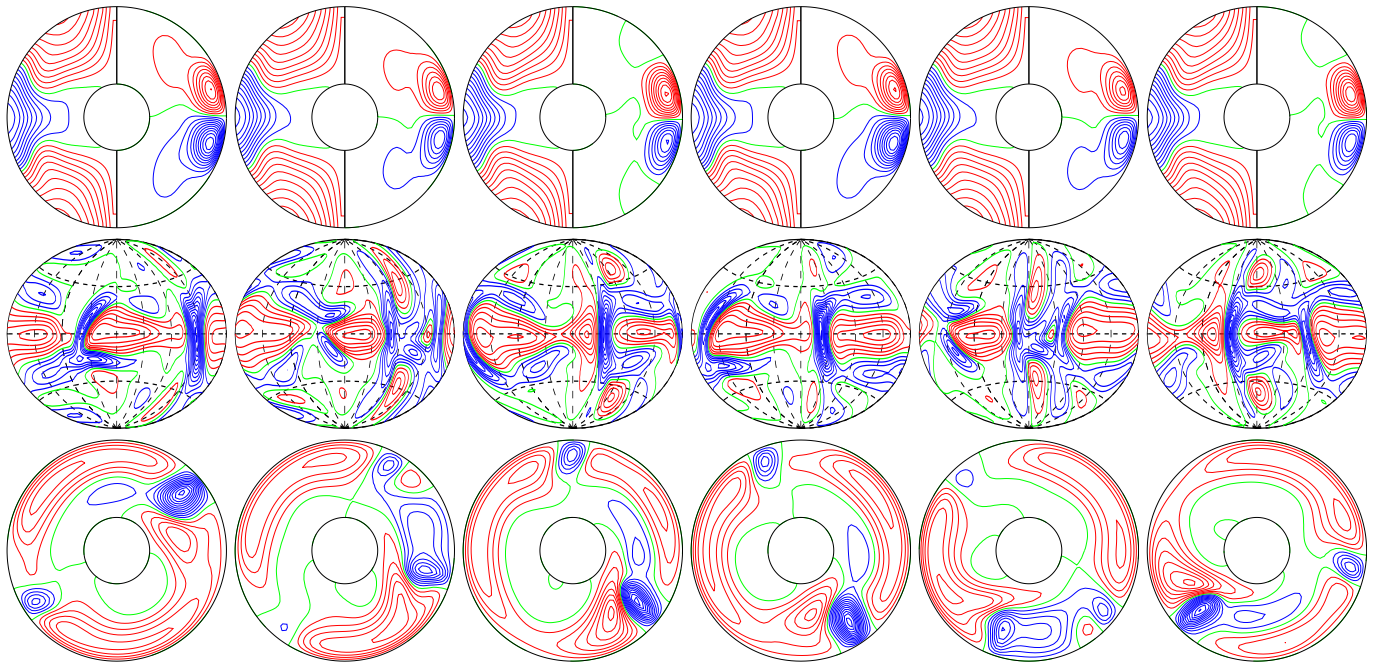
Nusselt Number



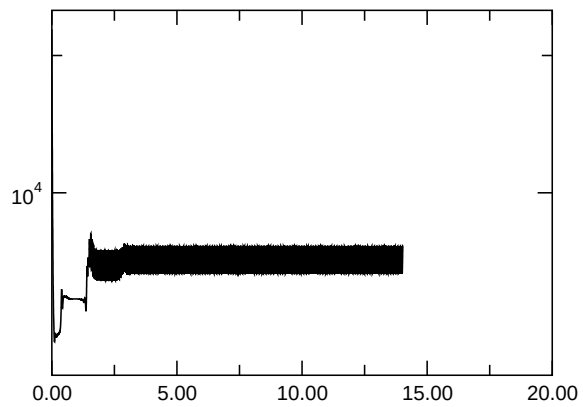
a.e03p1t03r-50000m1n2N2z7.0e4Ya.11

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

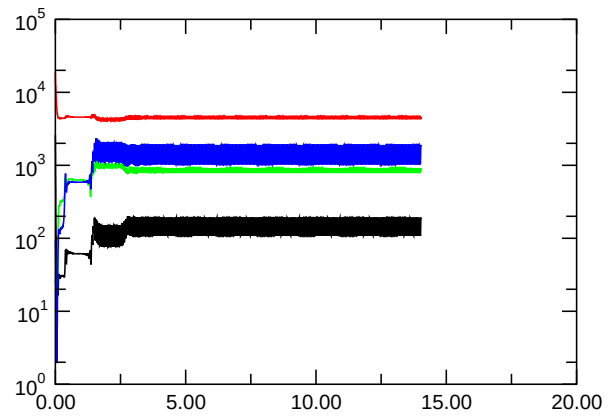
April 27, 2016



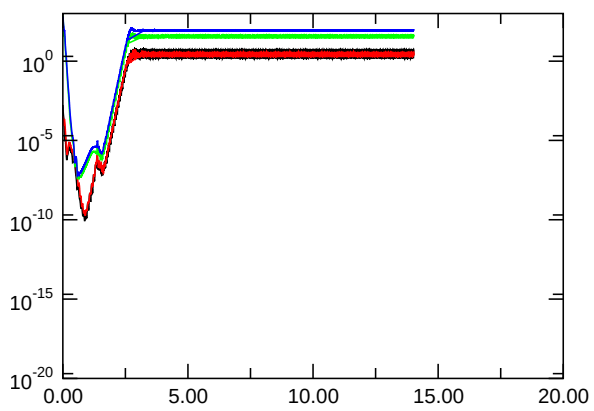
a.e03p1t03r-50000m1n2N2z7.0e4Ya  
 $E_{\text{kin}}$



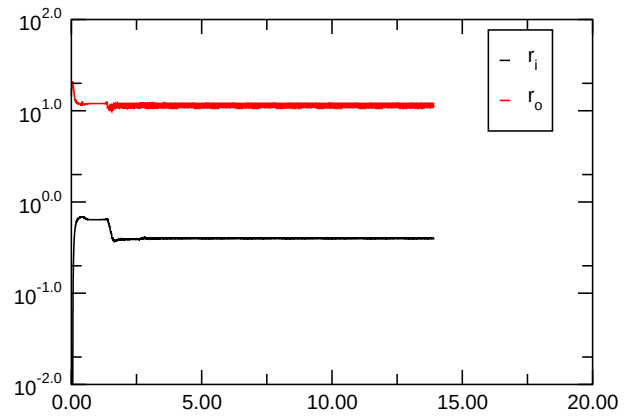
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

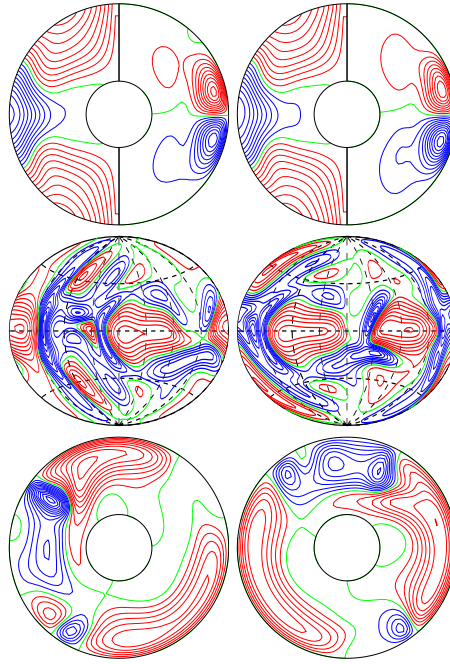


Nusselt Number

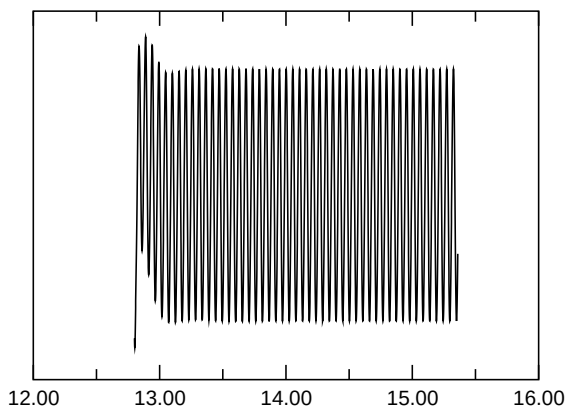


a.e03p1t03r-50000m1n2N2z7.25e4Yb.3  
times: 14.08001 15.36001

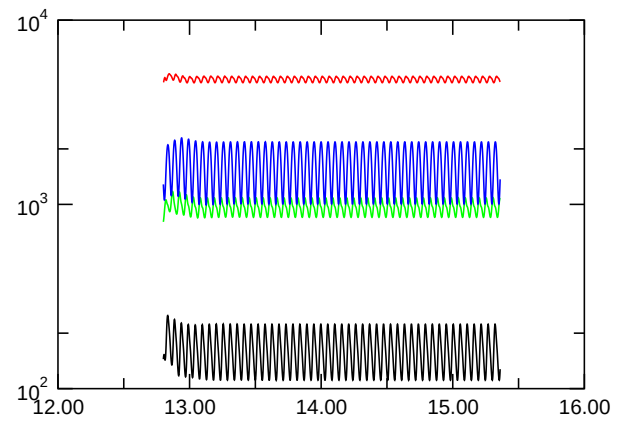
April 27, 2016



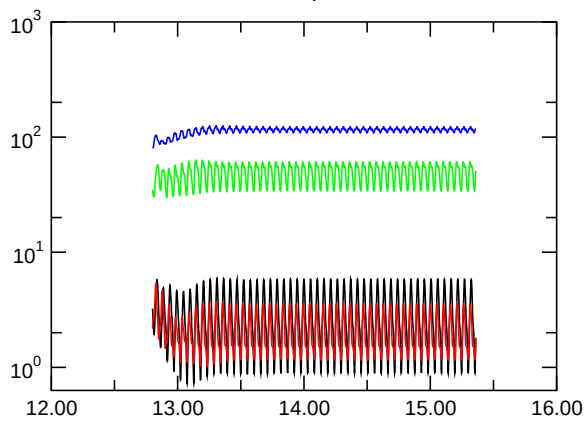
a.e03p1t03r-50000m1n2N2z7.25e4Yb  
 $E_{\text{kin}}$



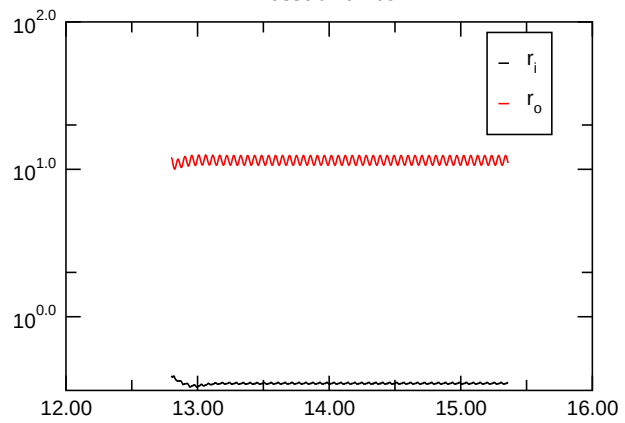
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

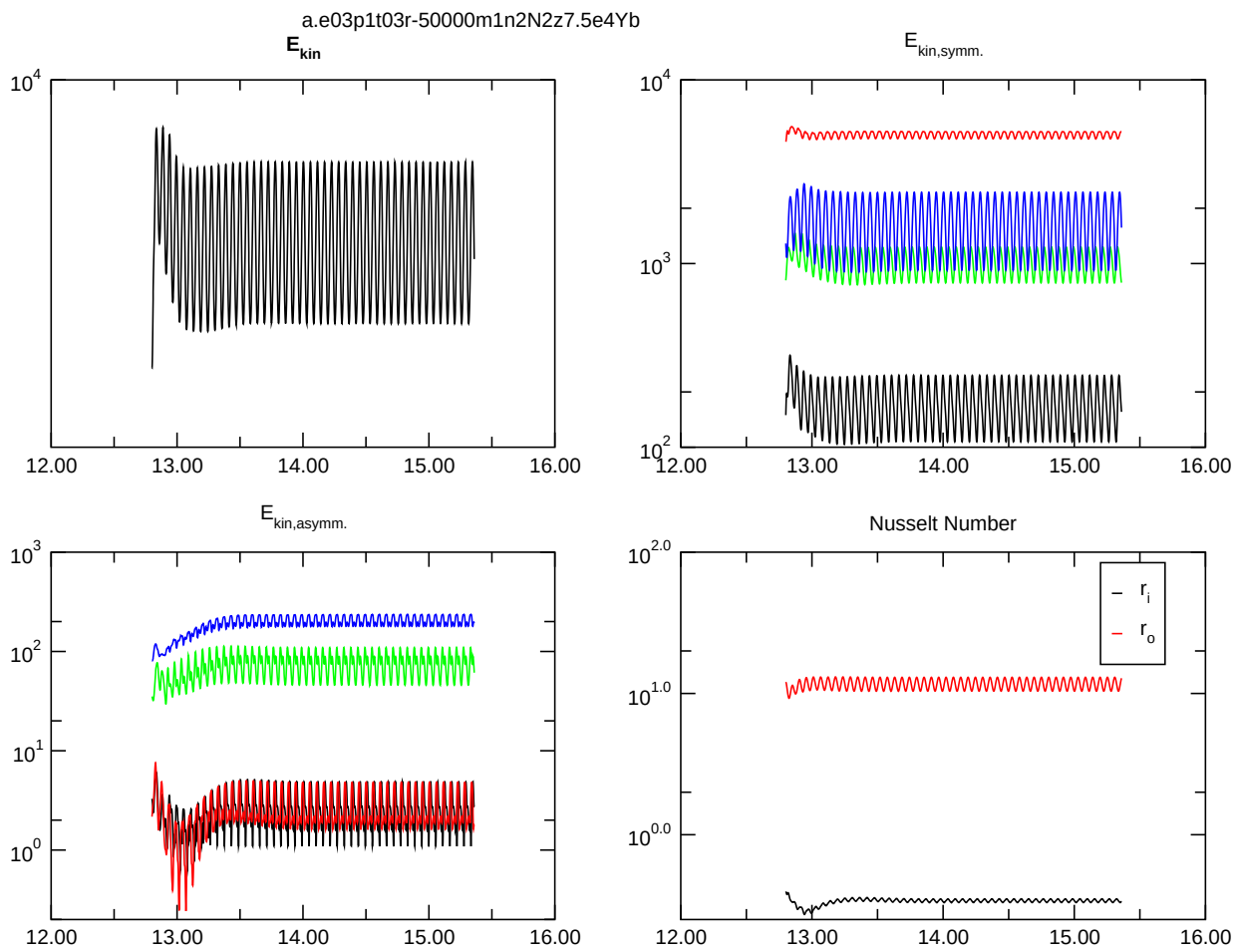
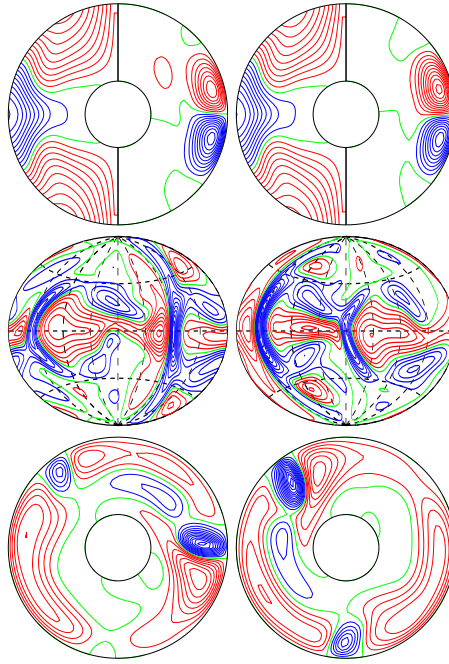


Nusselt Number



a.e03p1t03r-50000m1n2N2z7.5e4Yb.3  
times: 14.08001 15.36001

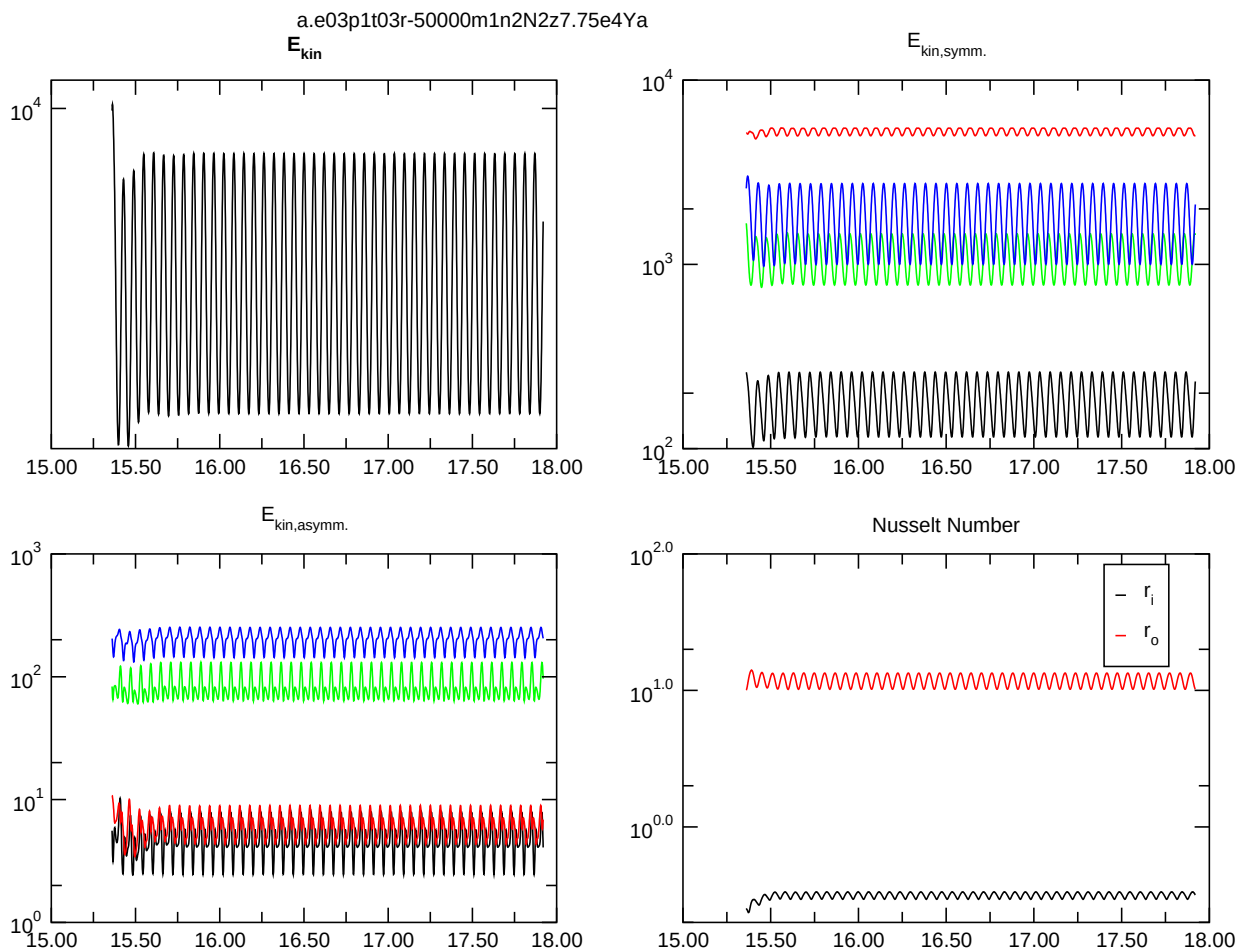
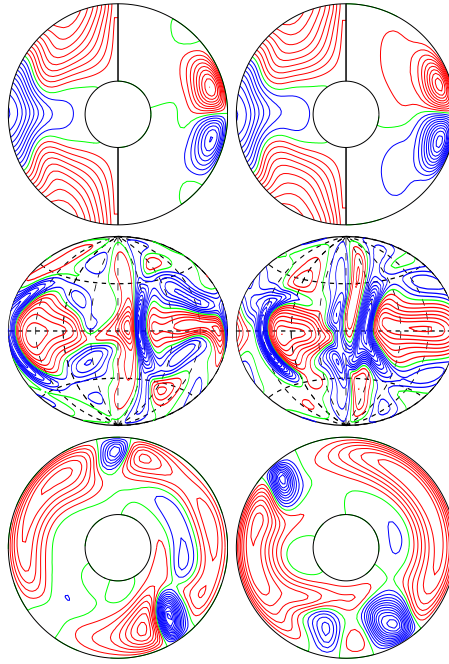
April 27, 2016





a.e03p1t03r-50000m1n2N2z7.75e4Ya.3  
times: 16.64001 17.92001

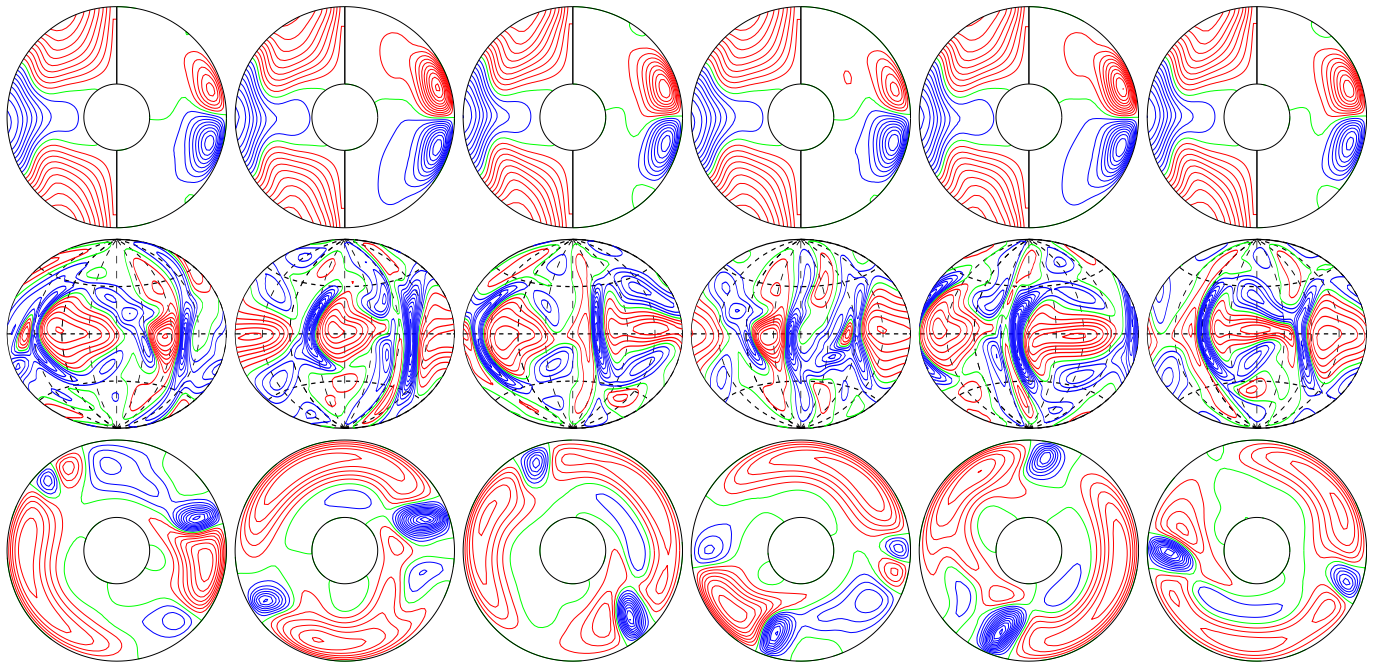
April 27, 2016



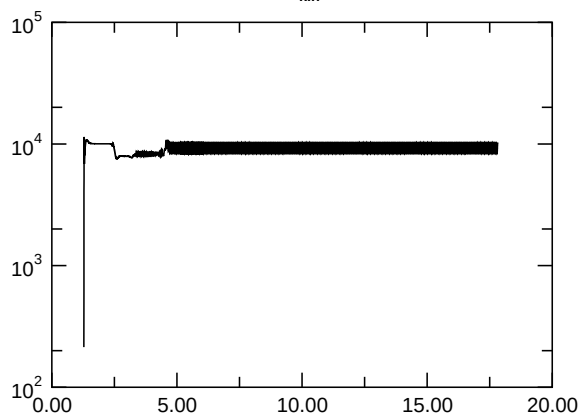
a.e03p1t03r-50000m1n2N2z8.0e4Y.13

times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

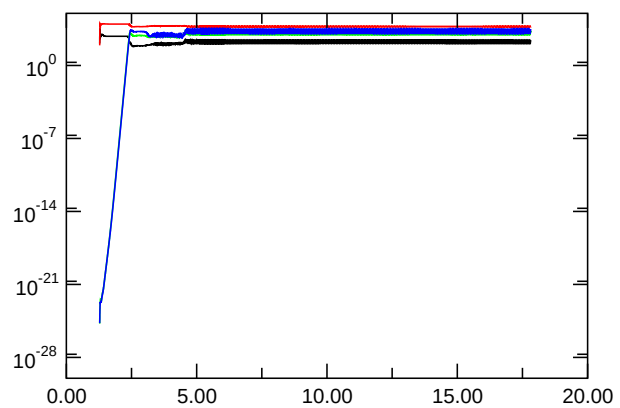
April 27, 2016



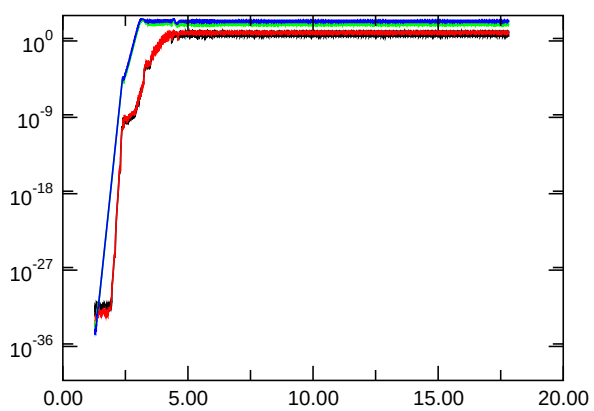
a.e03p1t03r-50000m1n2N2z8.0e4Y  
 $E_{\text{kin}}$



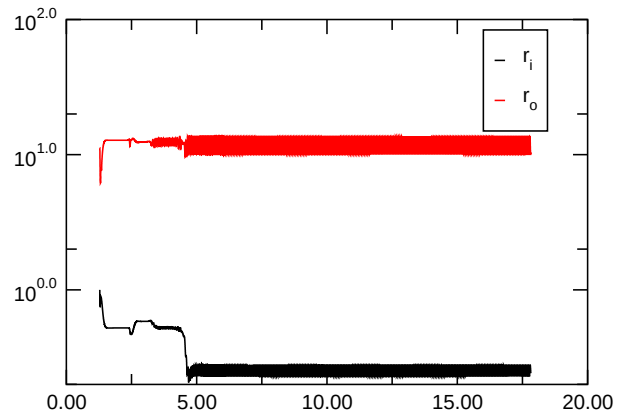
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



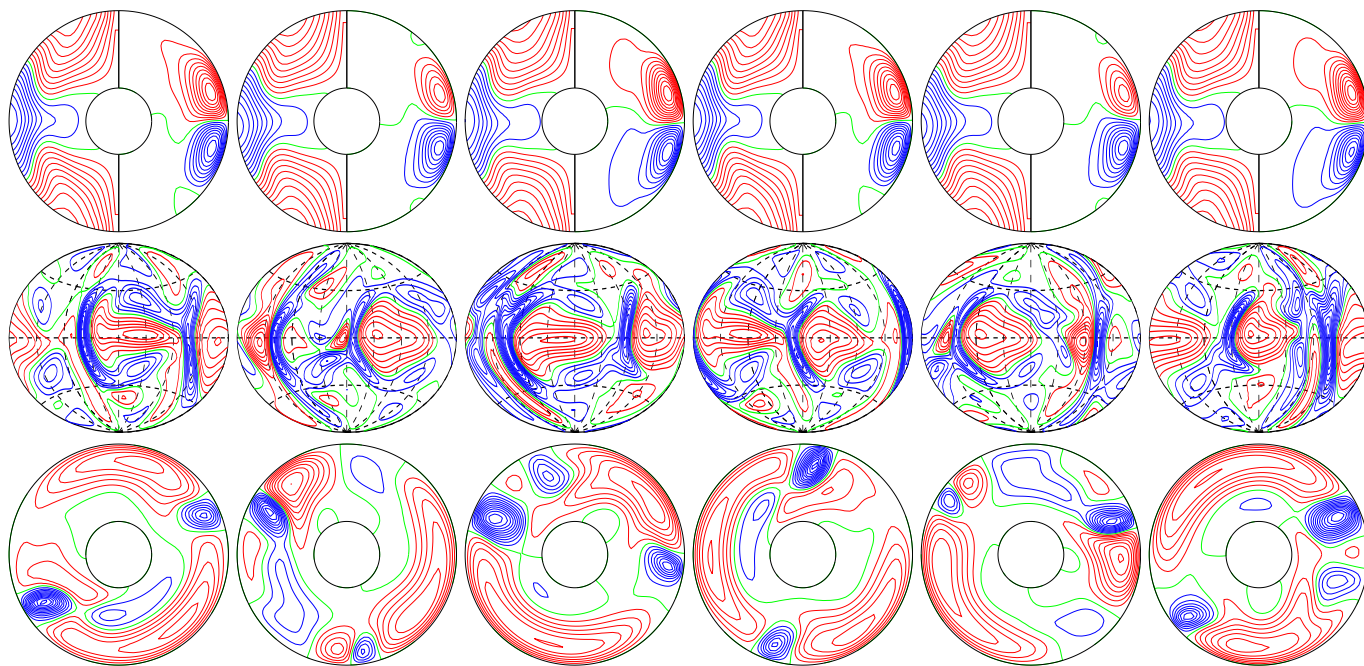
Nusselt Number



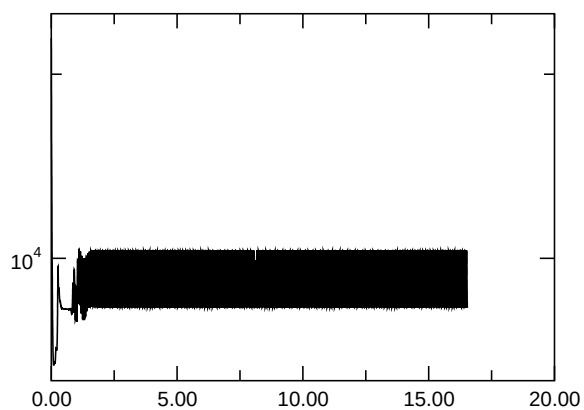
a.e03p1t03r-50000m1n2N2z8.0e4Ya.13

times: 8.960007 10.24001 11.52001 12.80001 14.08001 15.36001

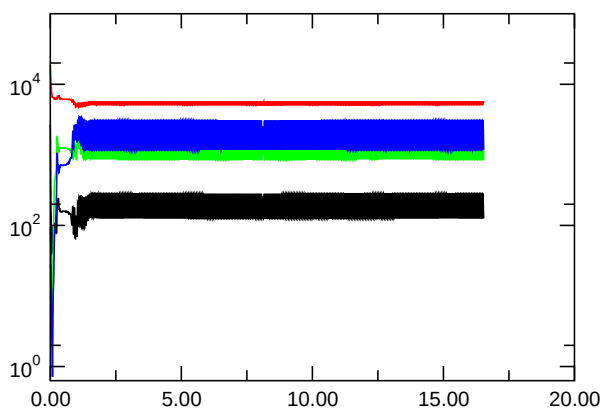
April 27, 2016



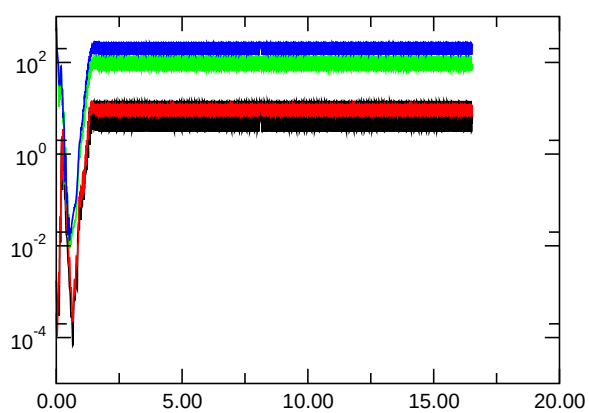
a.e03p1t03r-50000m1n2N2z8.0e4Ya  
 $E_{\text{kin}}$



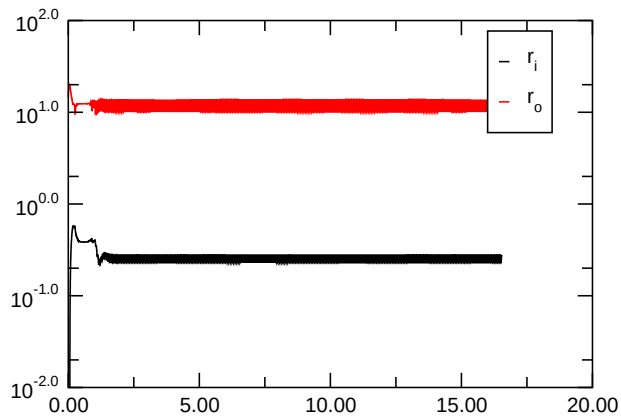
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

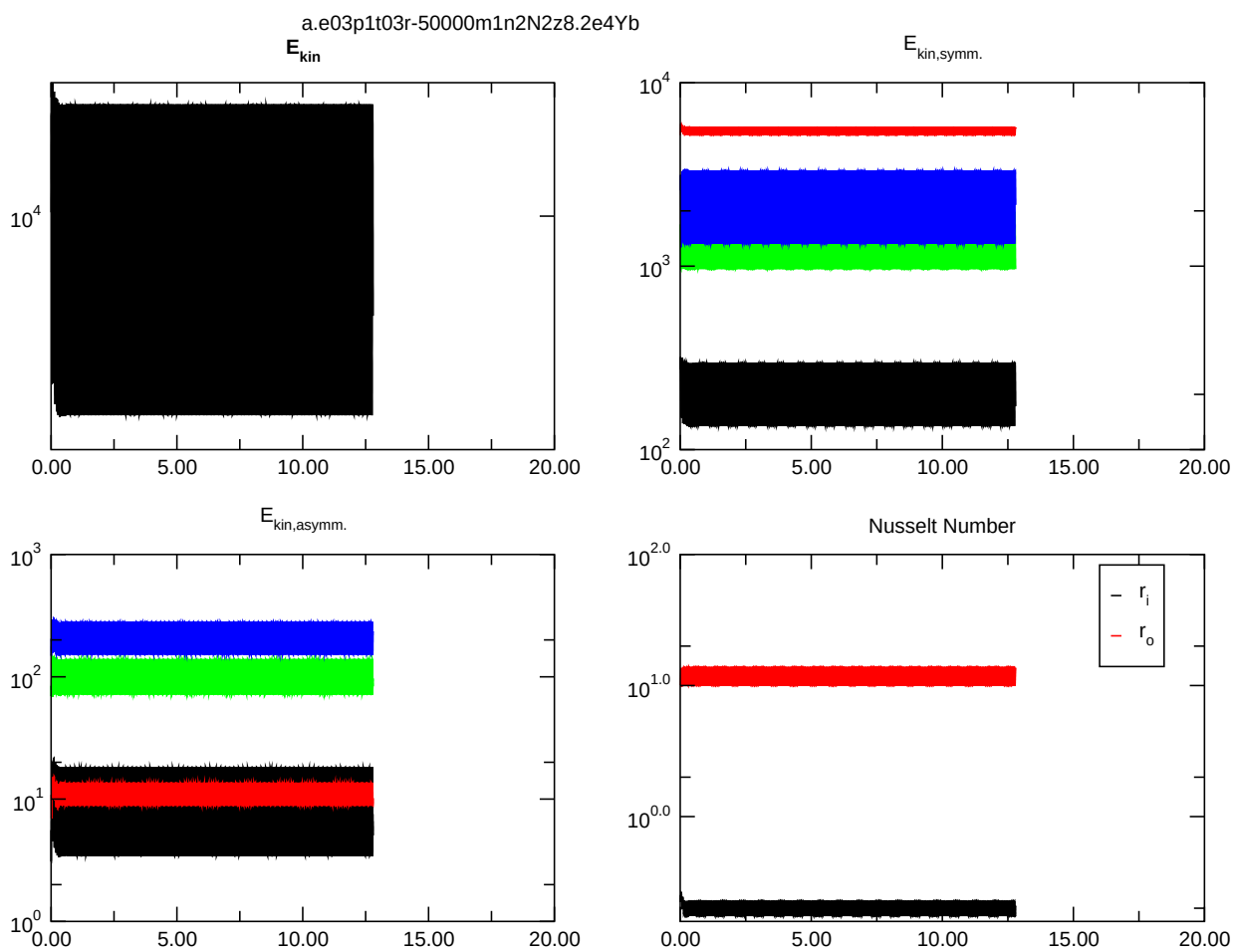
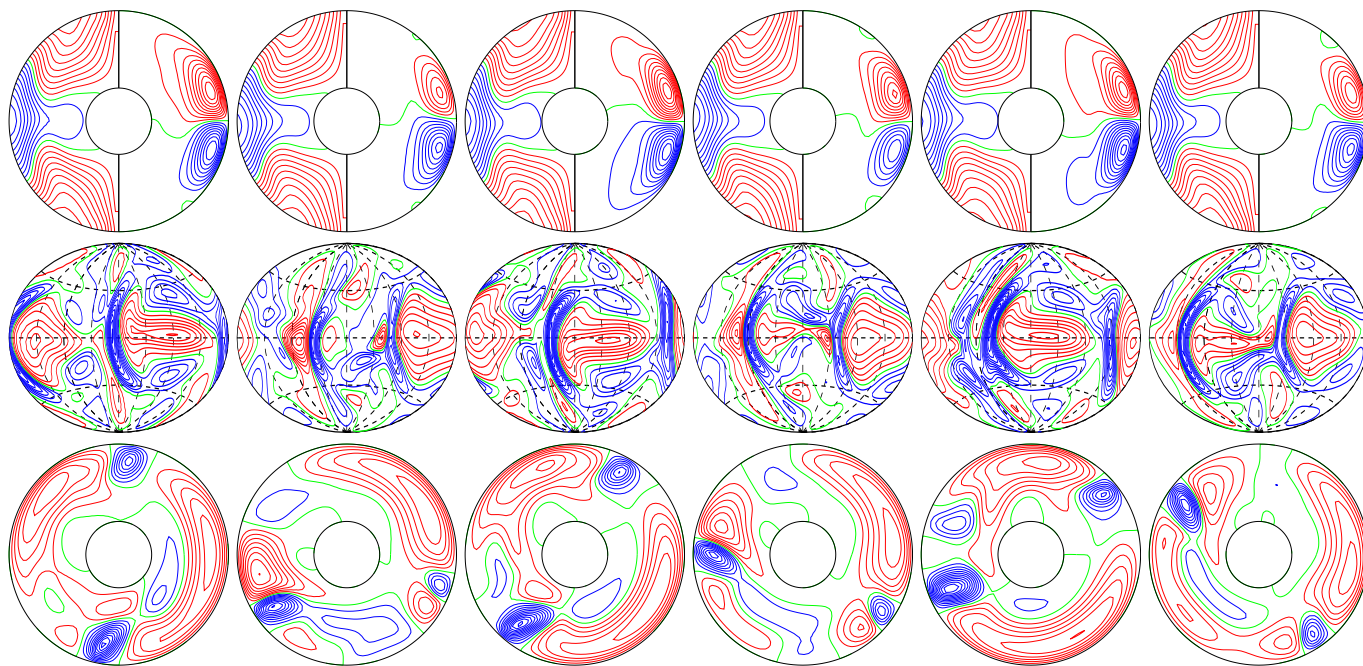


Nusselt Number



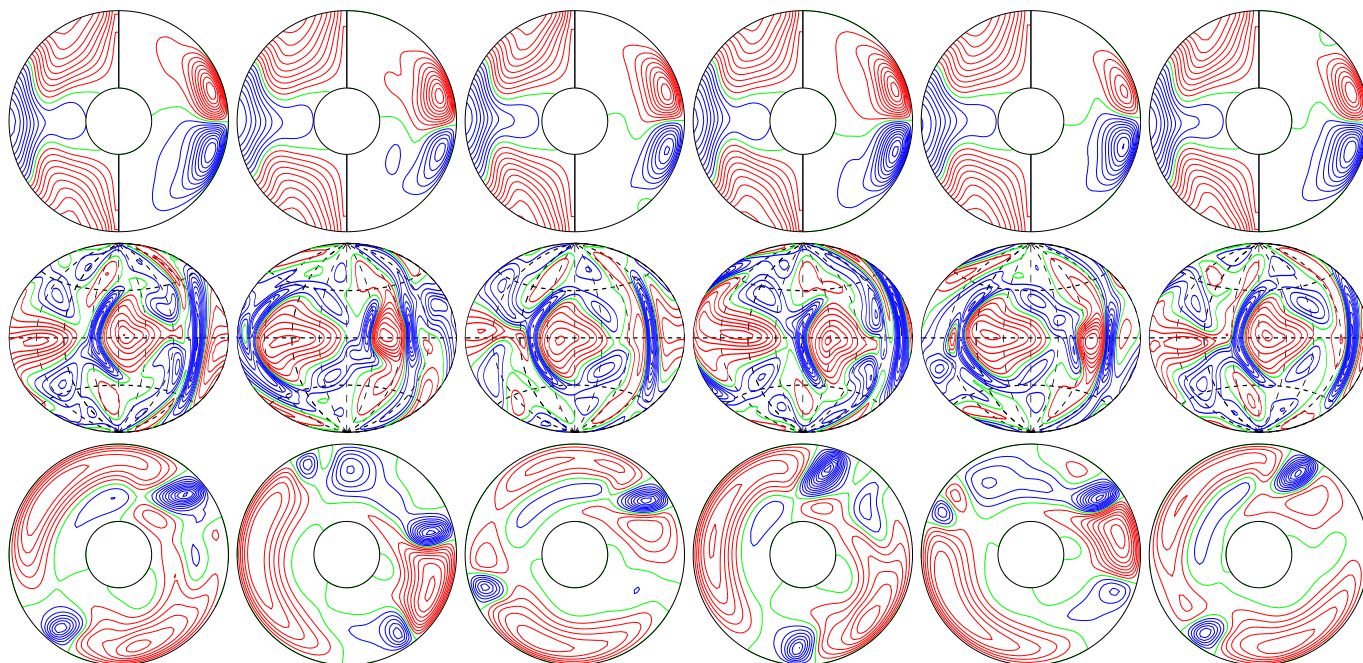
a.e03p1t03r-50000m1n2N2z8.2e4Yb.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

April 27, 2016

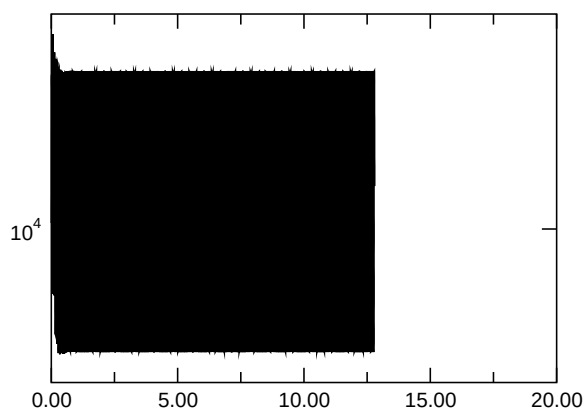


a.e03p1t03r-50000m1n2N2z8.4e4Yb.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

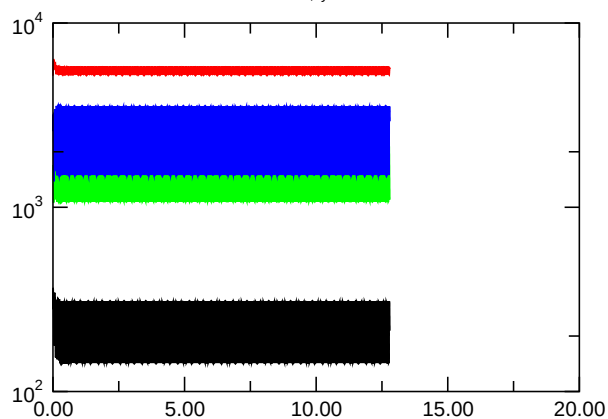
April 27, 2016



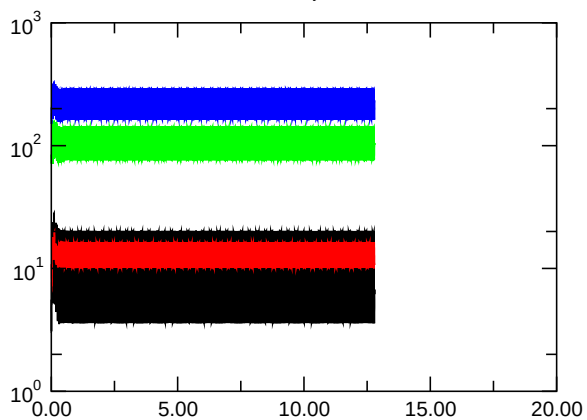
a.e03p1t03r-50000m1n2N2z8.4e4Yb  
 $E_{\text{kin}}$



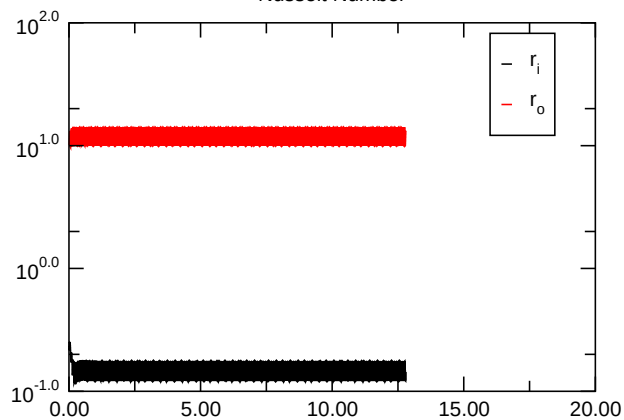
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



Nusselt Number

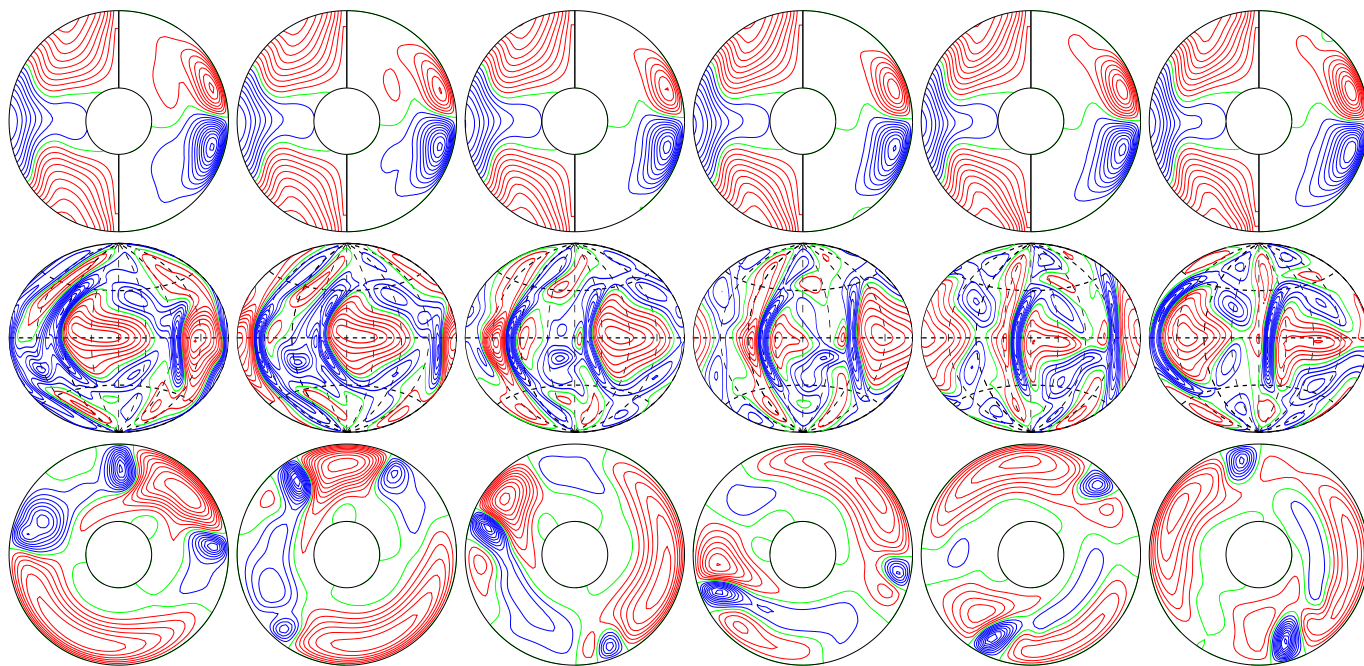




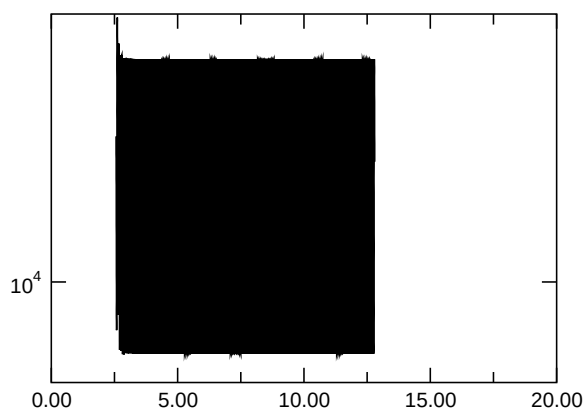
a.e03p1t03r-50000m1n2N2z8.6e4Yb.9

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

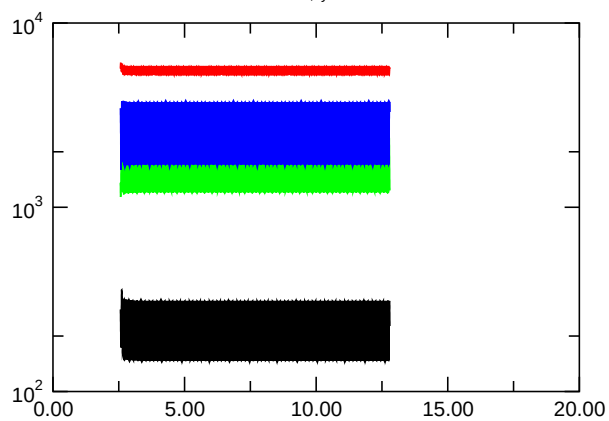
April 27, 2016



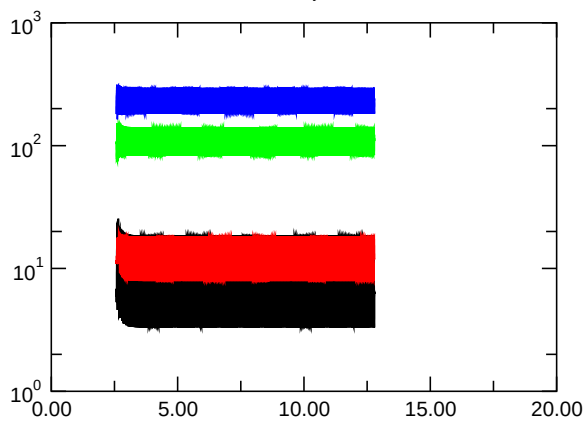
a.e03p1t03r-50000m1n2N2z8.6e4Yb  
 $E_{\text{kin}}$



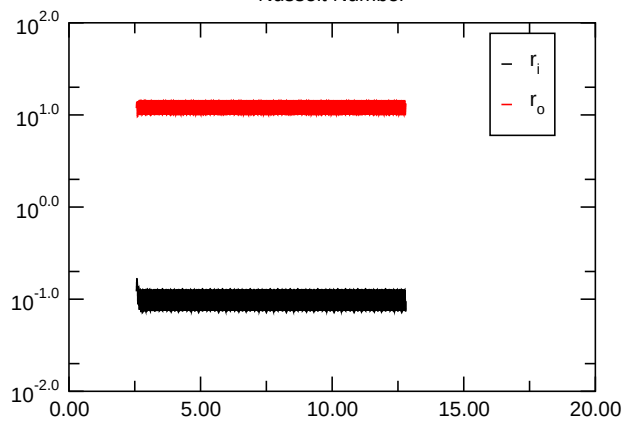
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



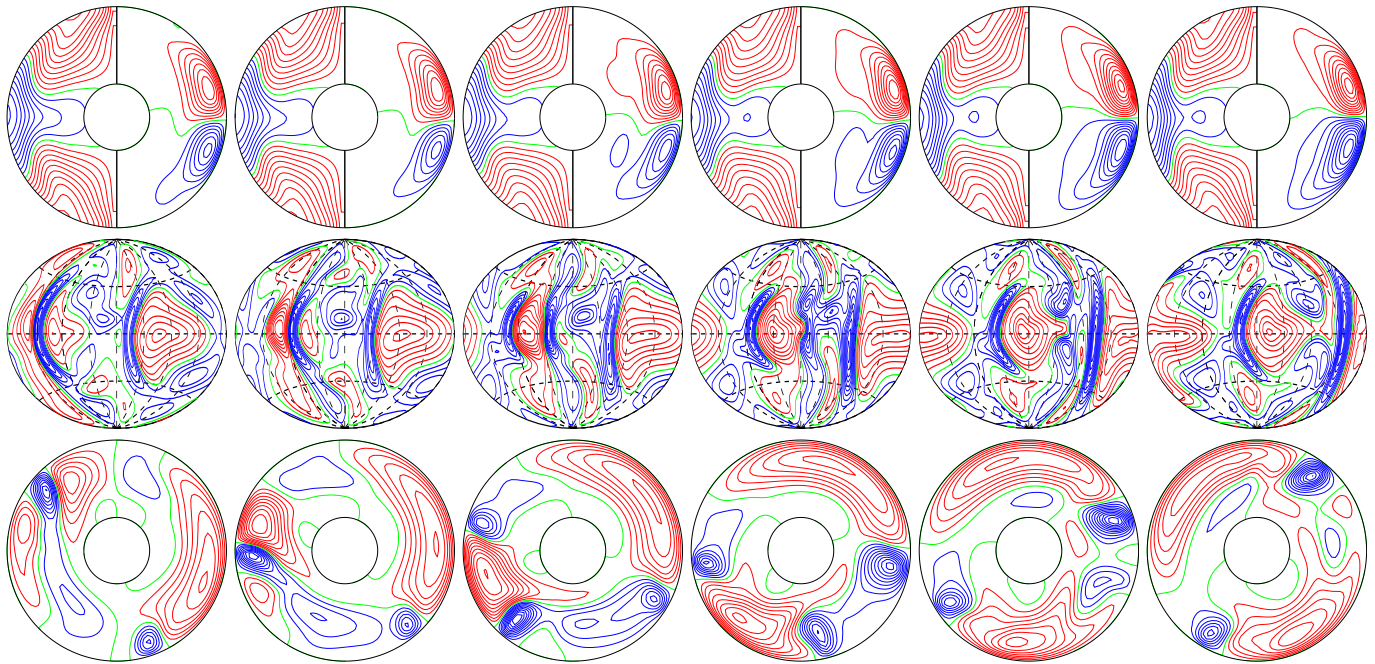
Nusselt Number



a.e03p1t03r-50000m1n2N2z8.8e4Yb.9

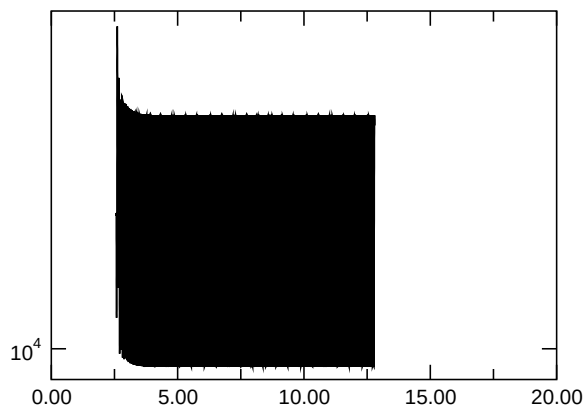
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

April 27, 2016

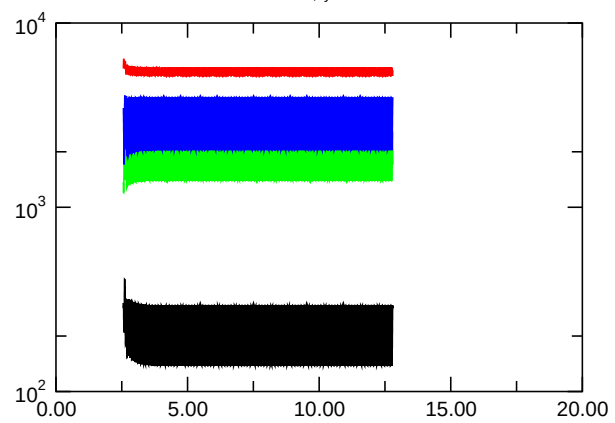


a.e03p1t03r-50000m1n2N2z8.8e4Yb

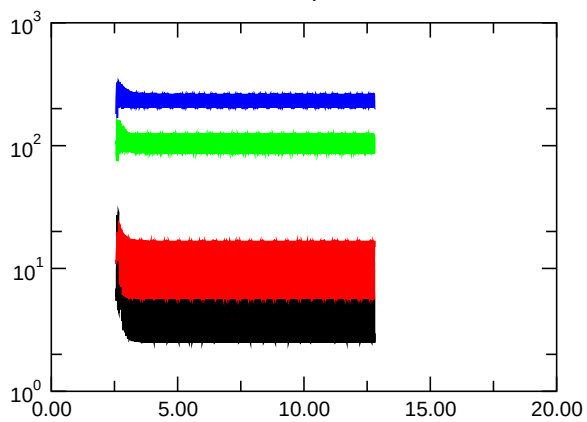
$E_{\text{kin}}$



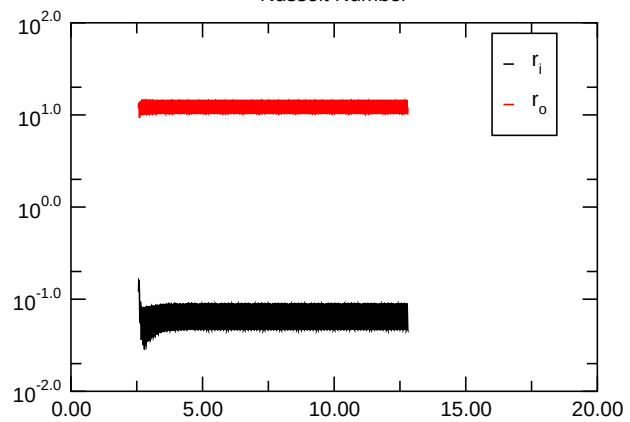
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



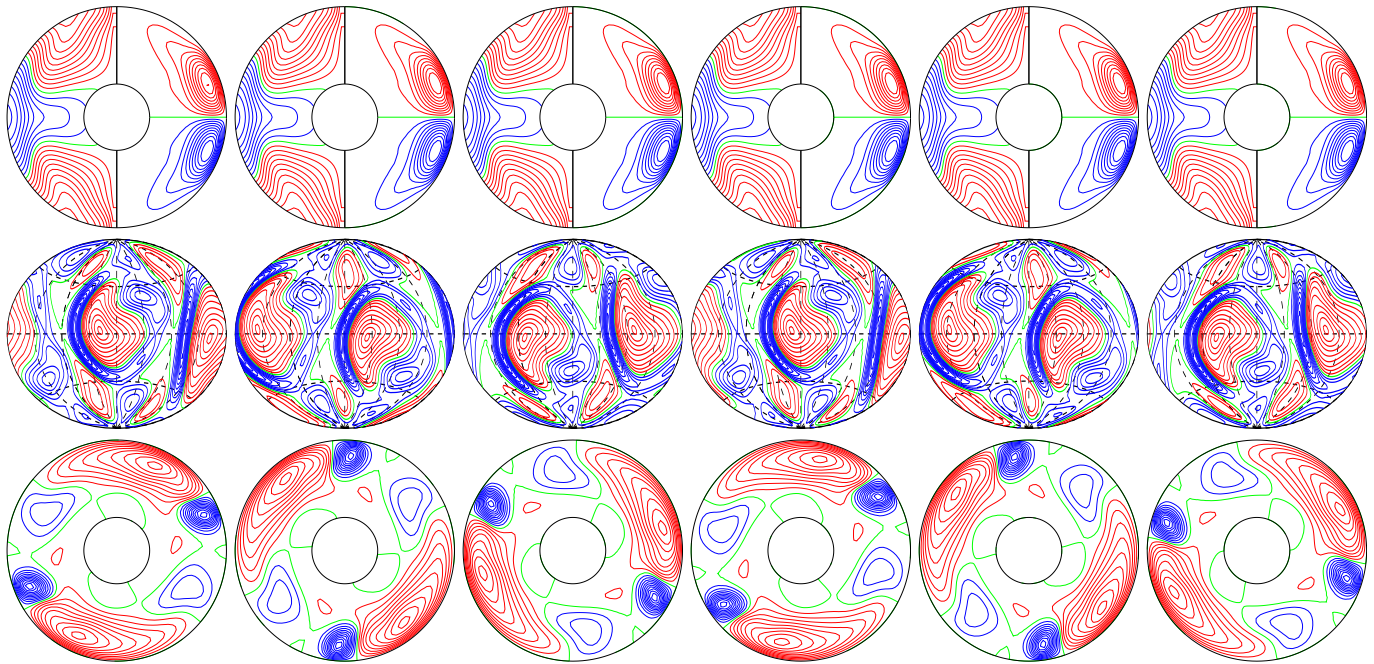
Nusselt Number



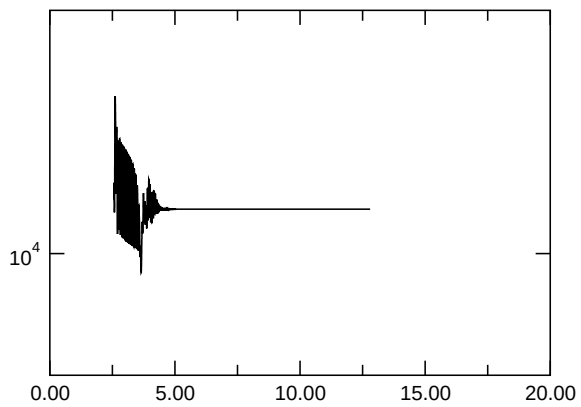
a.e03p1t03r-50000m1n2N2z9.0e4Ybb.9

April 27, 2016

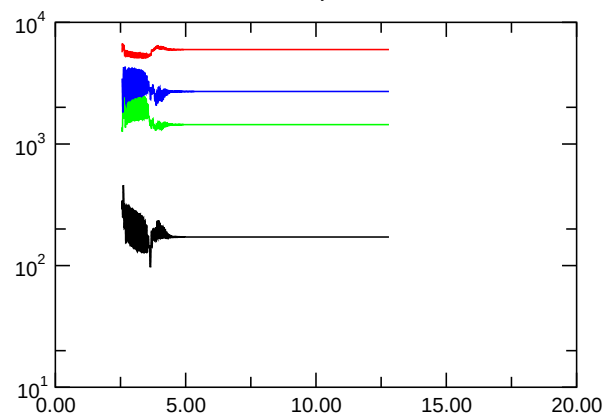
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001



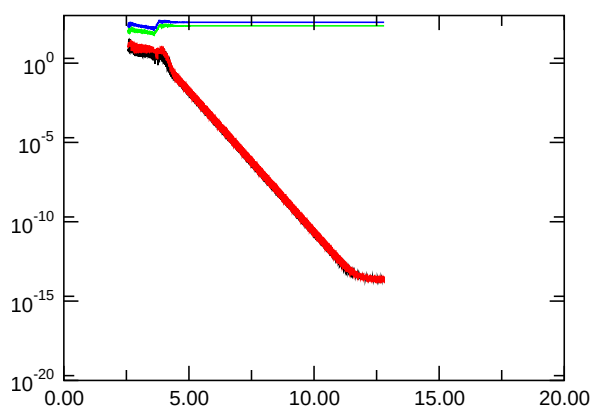
a.e03p1t03r-50000m1n2N2z9.0e4Ybb  
 $E_{\text{kin}}$



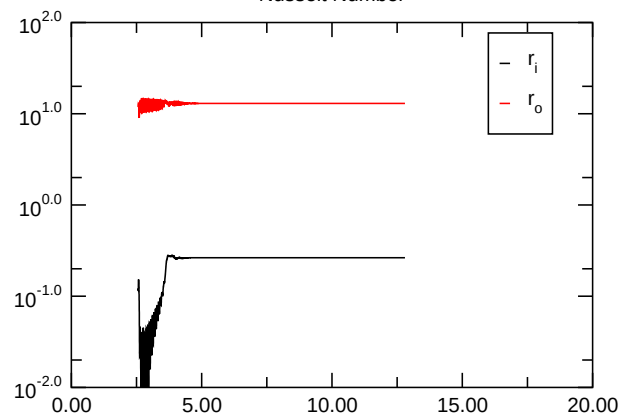
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



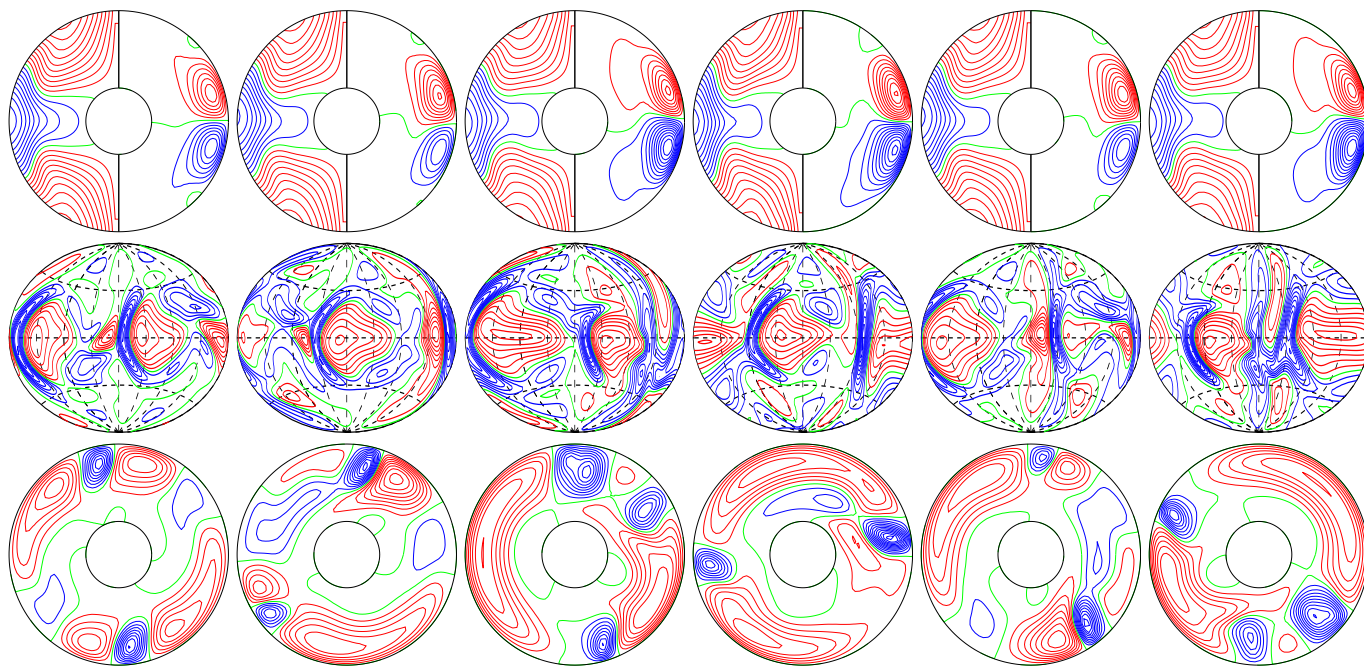
Nusselt Number



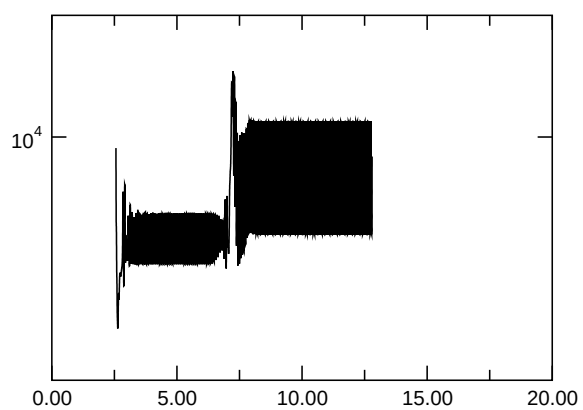
a.e03p1t03r-50000m1n2N2z8.0e4Yaa.9

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

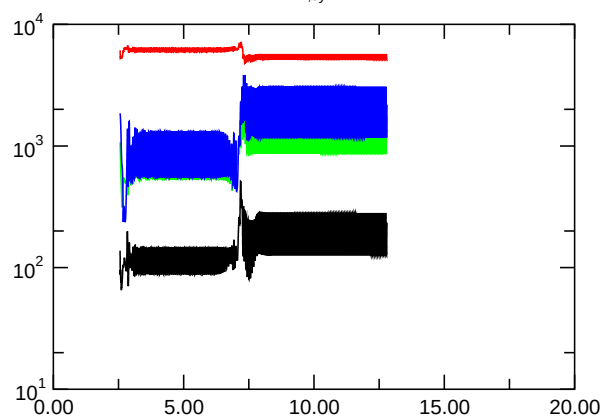
April 27, 2016



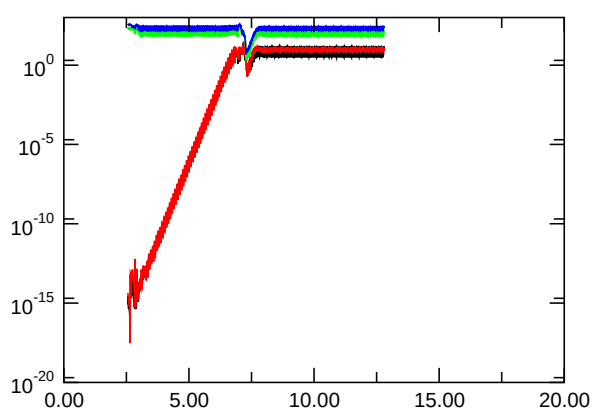
a.e03p1t03r-50000m1n2N2z8.0e4Yaa  
 $E_{\text{kin}}$



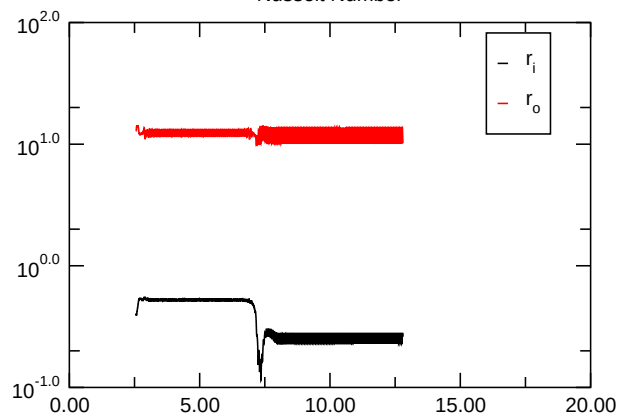
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



Nusselt Number

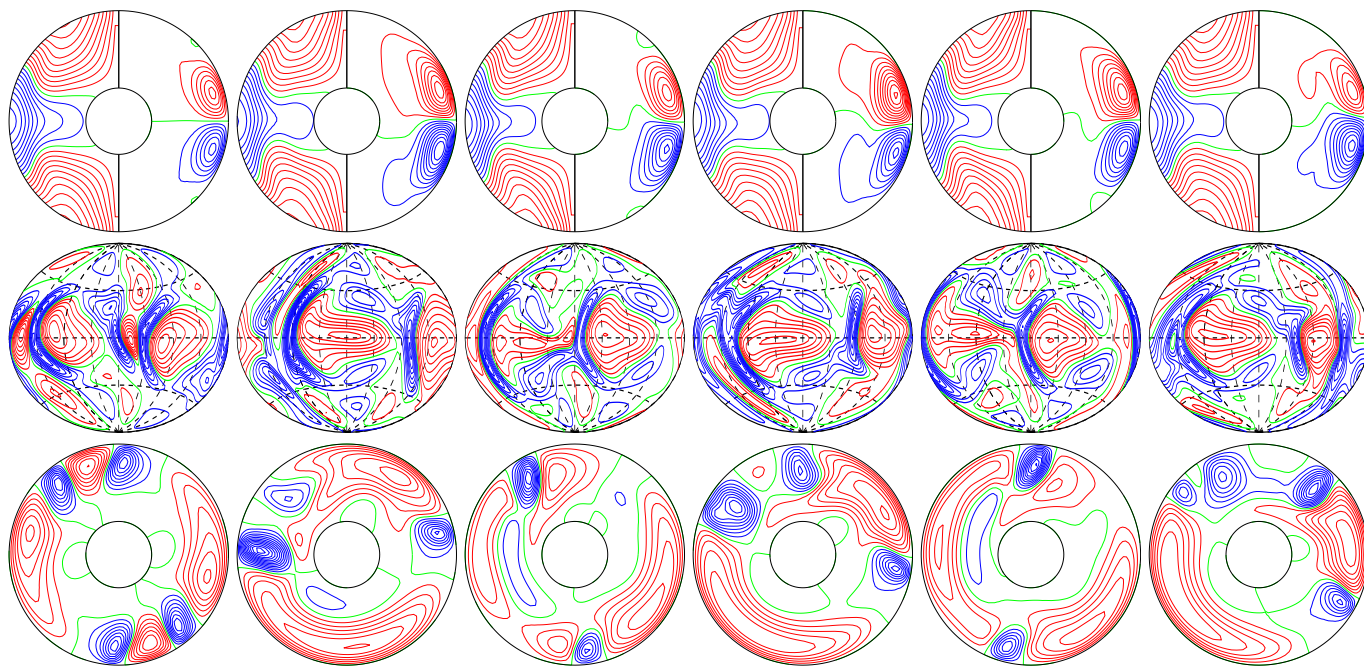




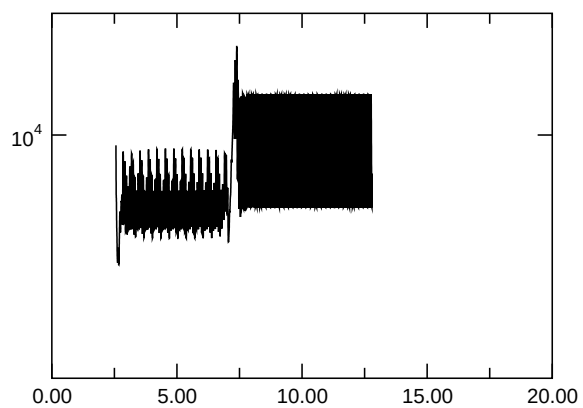
a.e03p1t03r-50000m1n2N2z8.2e4Ya.9

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

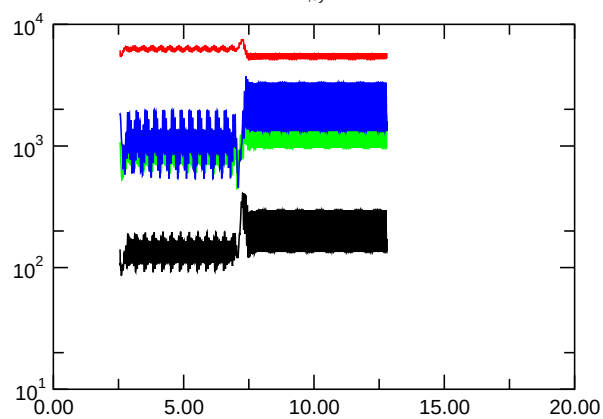
April 27, 2016



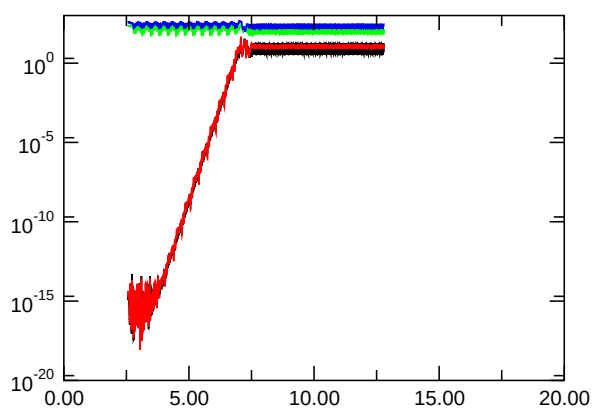
a.e03p1t03r-50000m1n2N2z8.2e4Ya  
 $E_{\text{kin}}$



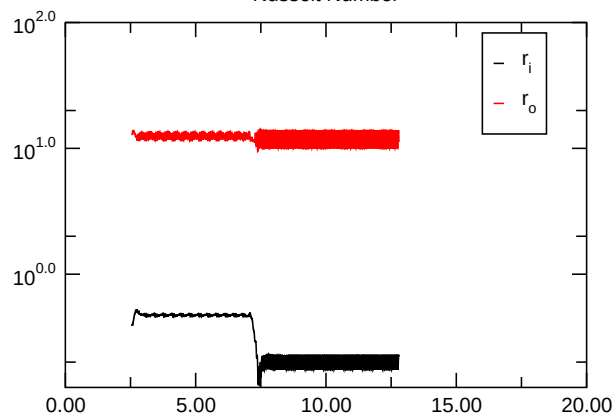
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



Nusselt Number

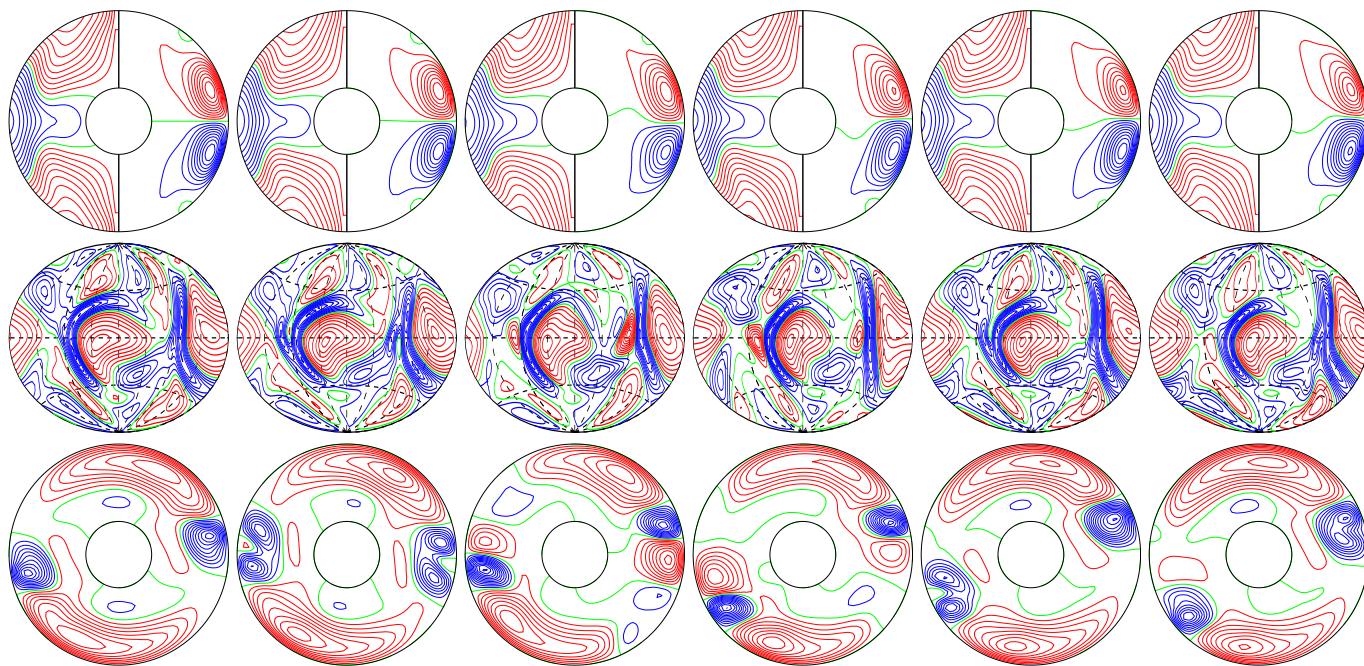




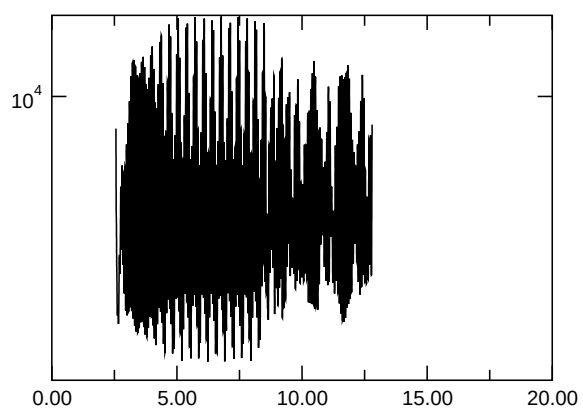
a.e03p1t03r-50000m1n2N2z8.4e4Ya.9

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

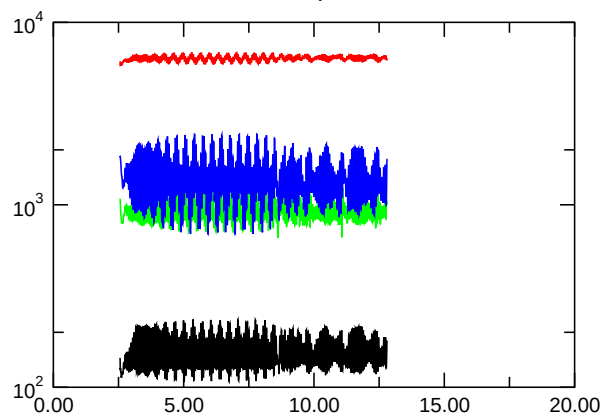
April 27, 2016



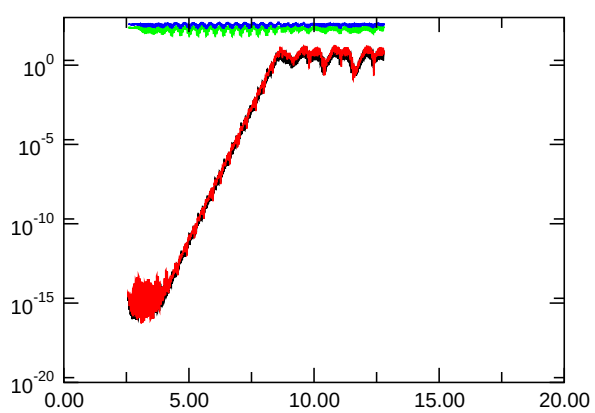
a.e03p1t03r-50000m1n2N2z8.4e4Ya  
 $E_{\text{kin}}$



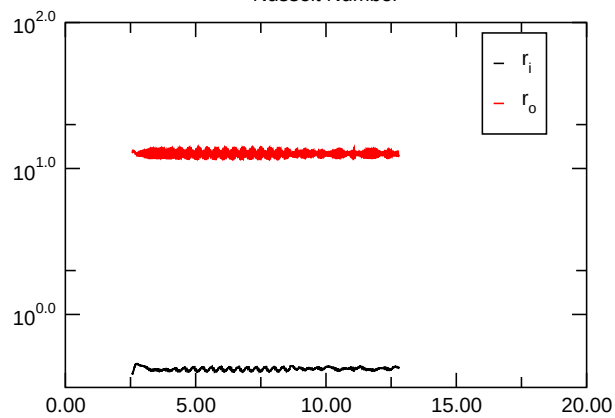
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

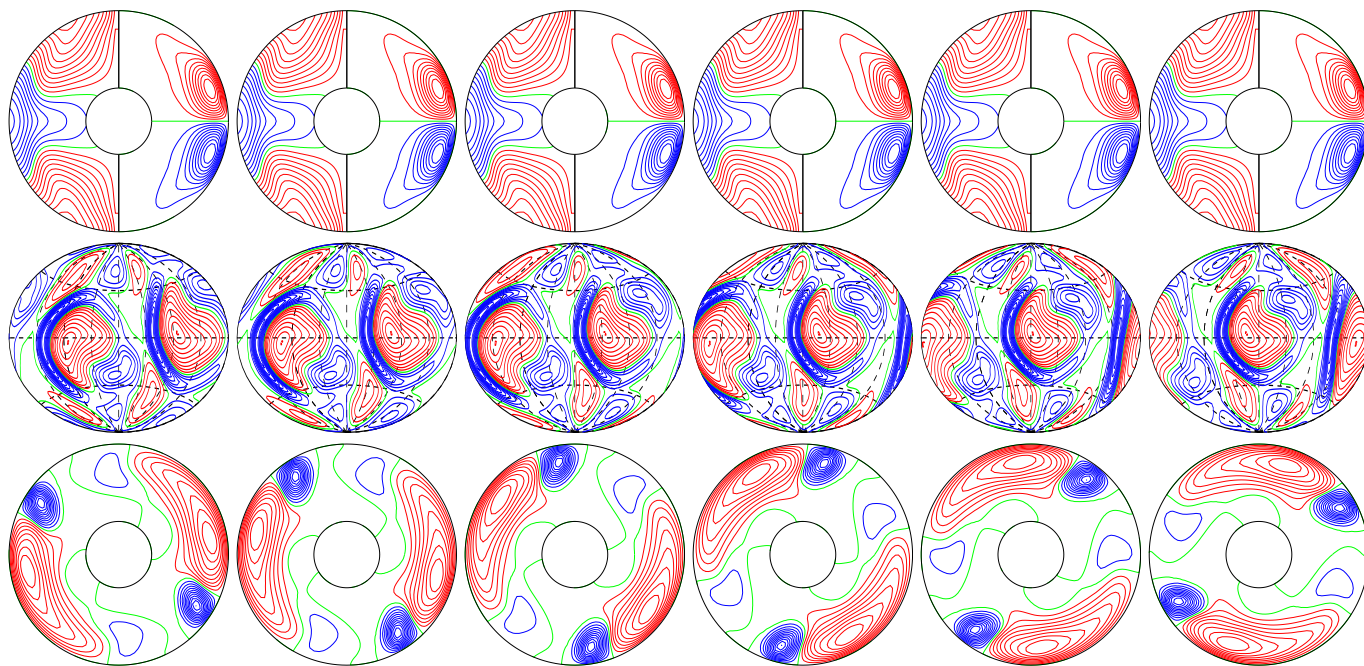


Nusselt Number

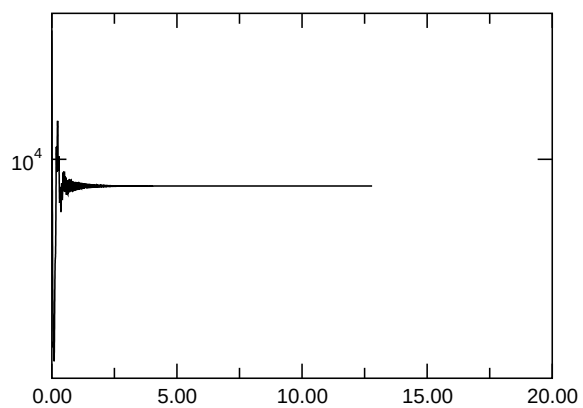


a.e03p1t03r-50000m1n2N2z8.6e4Ya.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

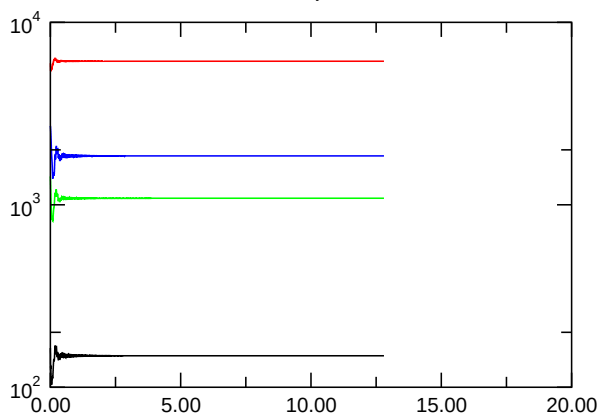
April 27, 2016



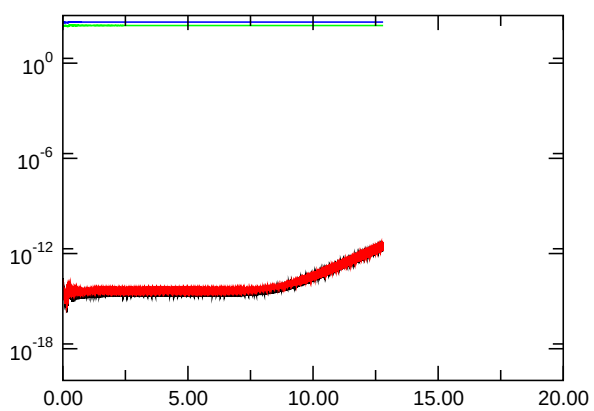
a.e03p1t03r-50000m1n2N2z8.6e4Ya  
 $E_{\text{kin}}$



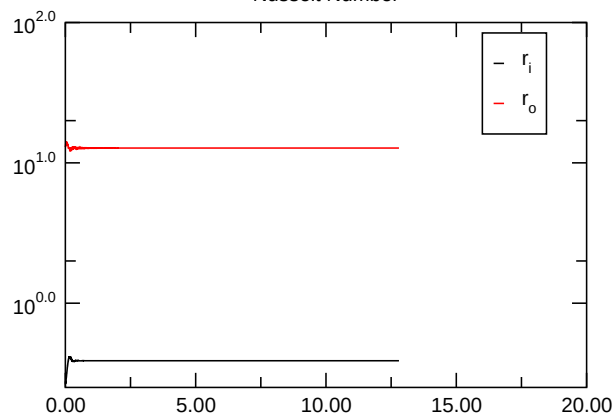
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

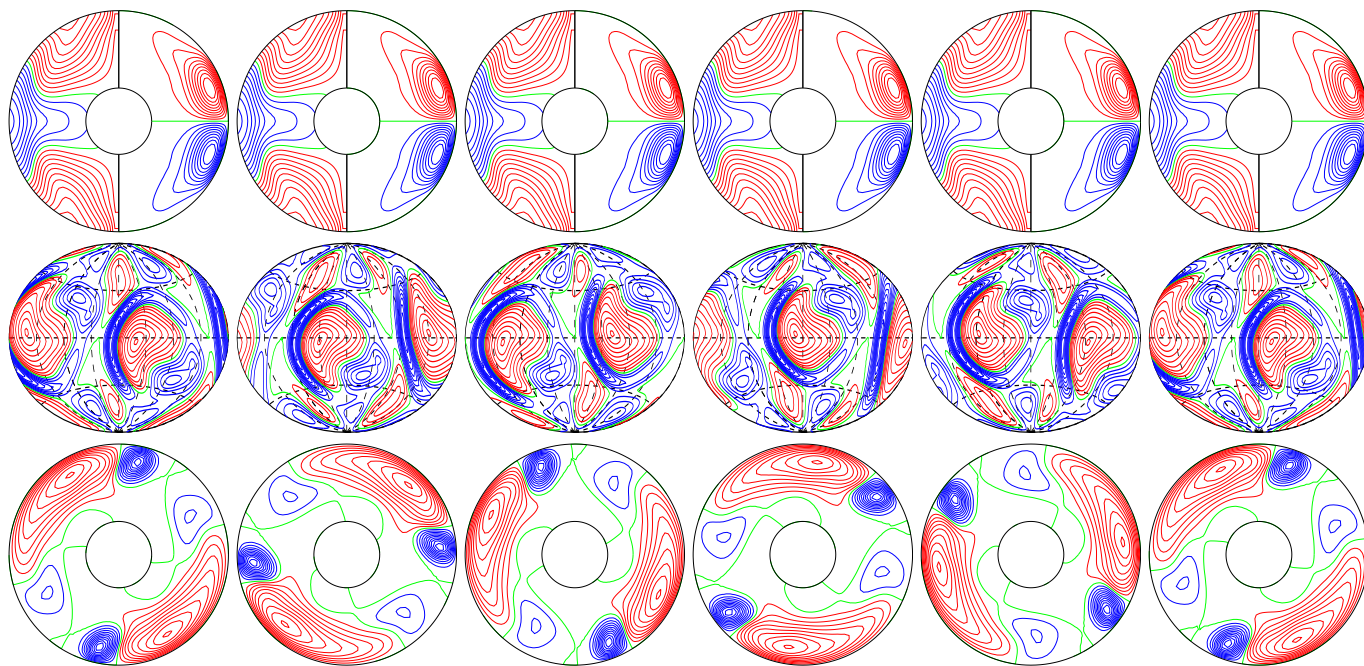


Nusselt Number

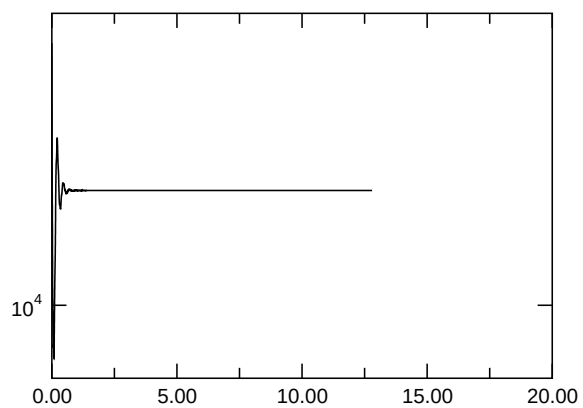


a.e03p1t03r-50000m1n2N2z8.8e4Ya.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

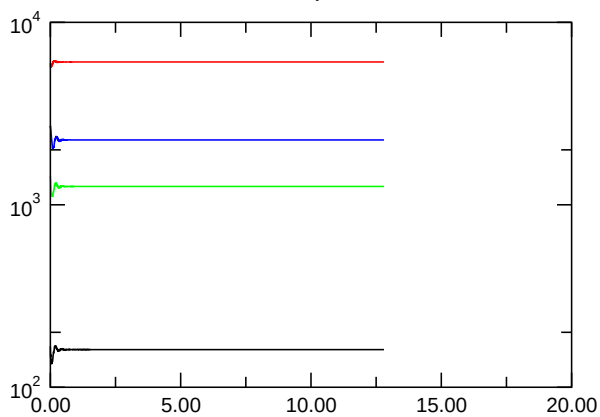
April 27, 2016



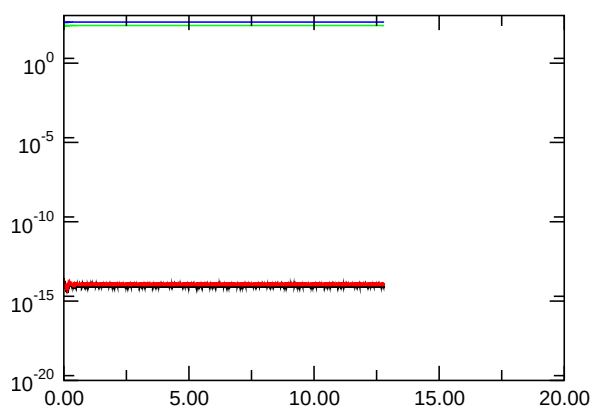
a.e03p1t03r-50000m1n2N2z8.8e4Ya  
 $E_{\text{kin}}$



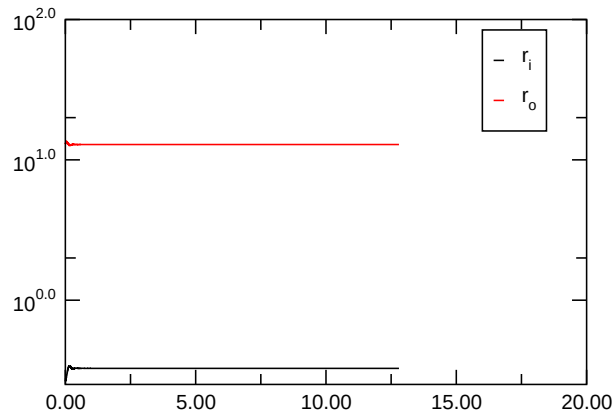
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



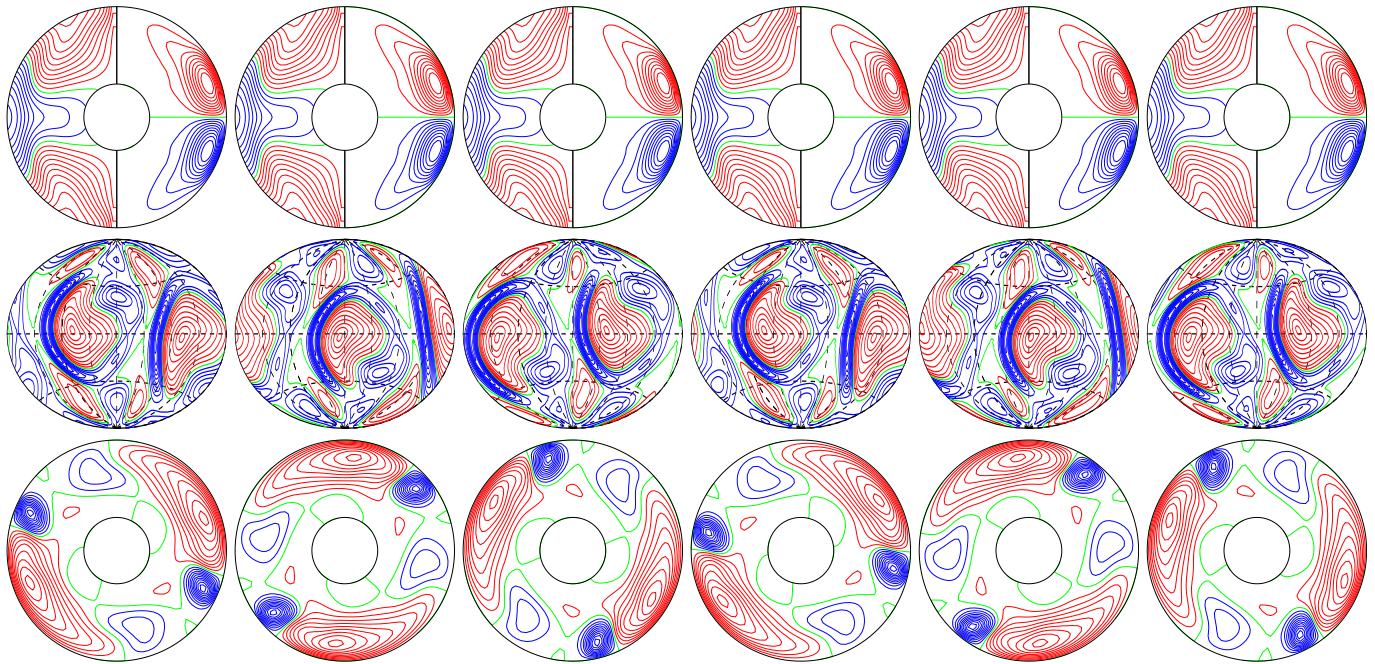
Nusselt Number



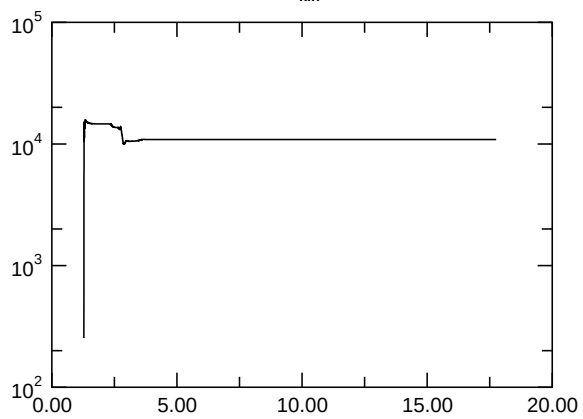
a.e03p1t03r-50000m1n2N2z9.0e4Y.13

times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

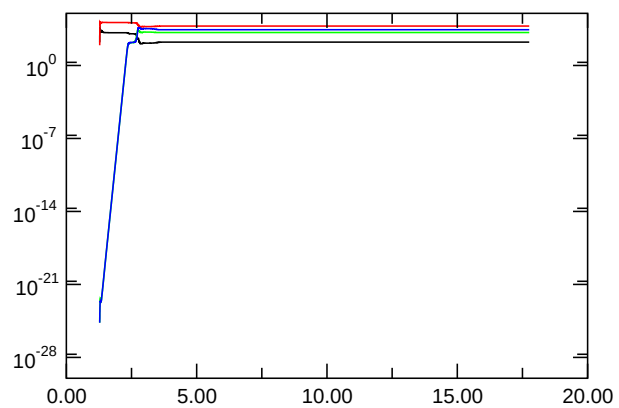
April 27, 2016



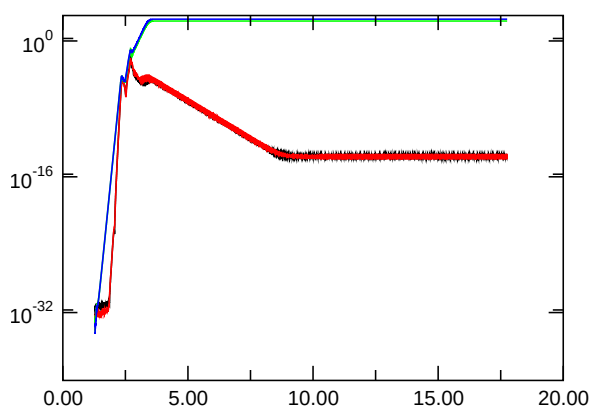
a.e03p1t03r-50000m1n2N2z9.0e4Y  
 $E_{\text{kin}}$



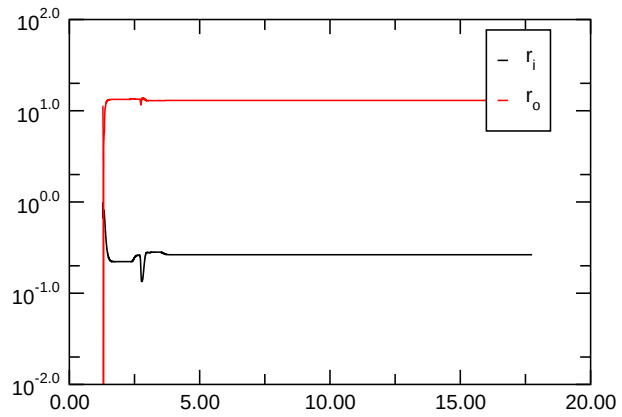
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



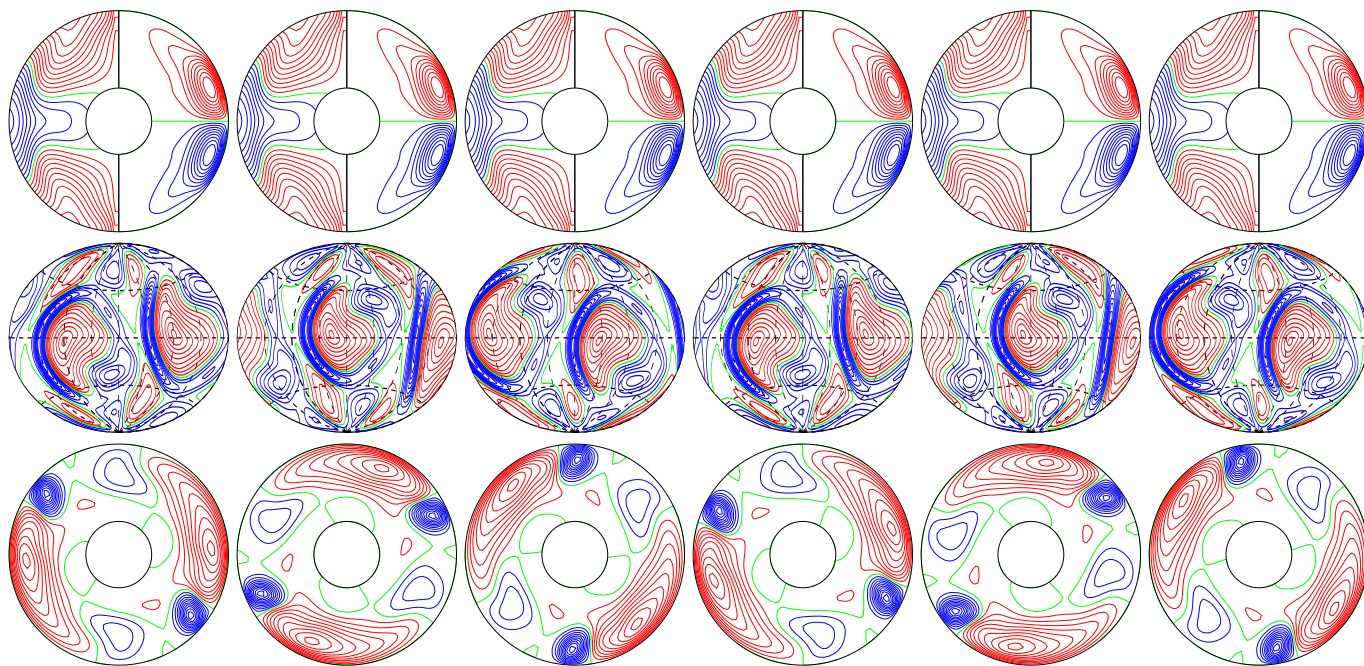
Nusselt Number



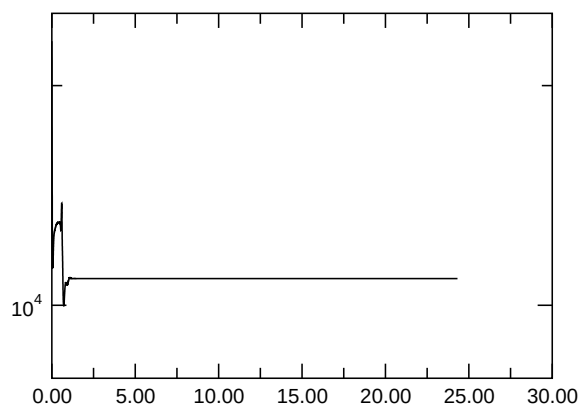


a.e03p1t03r-50000m1n2N2z9.0e4Ya.20  
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

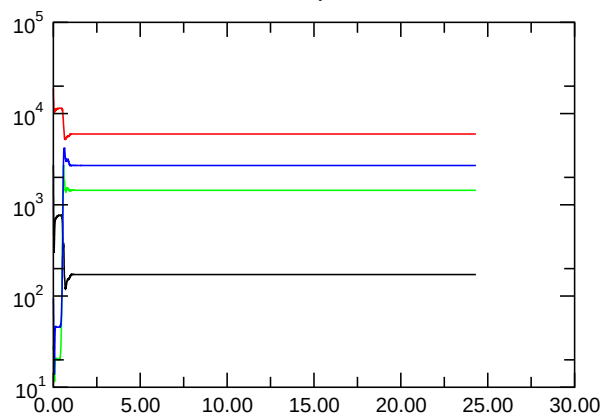
April 27, 2016



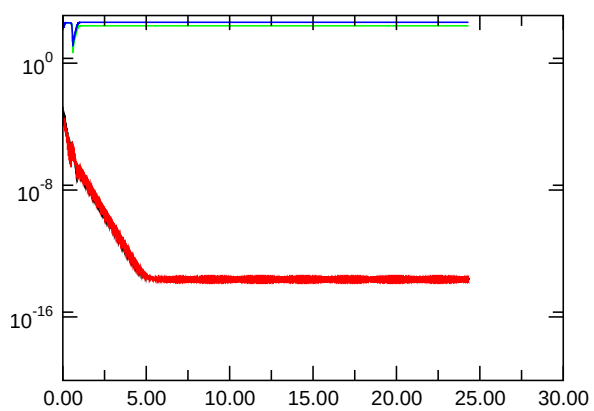
a.e03p1t03r-50000m1n2N2z9.0e4Ya  
 $E_{\text{kin}}$



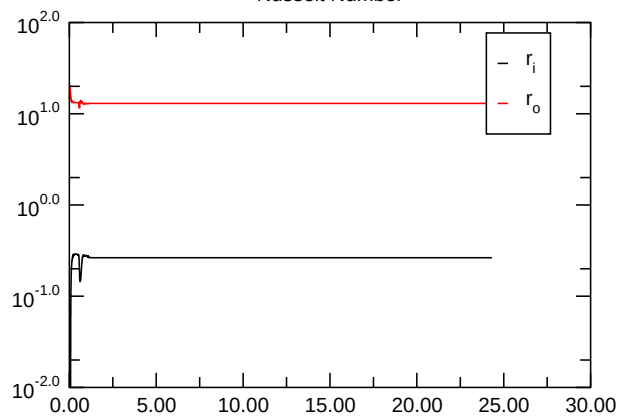
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



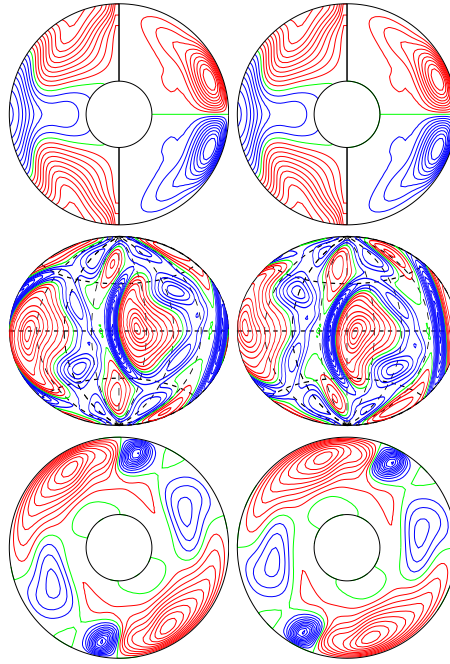
Nusselt Number



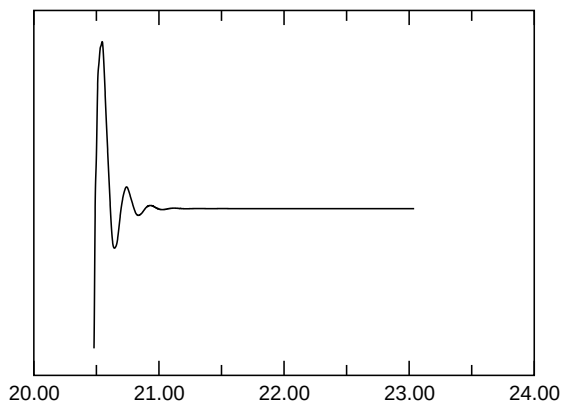


a.e03p1t03r-50000m1n2N2z9.5e4Yb.3  
times: 21.76001 23.04001

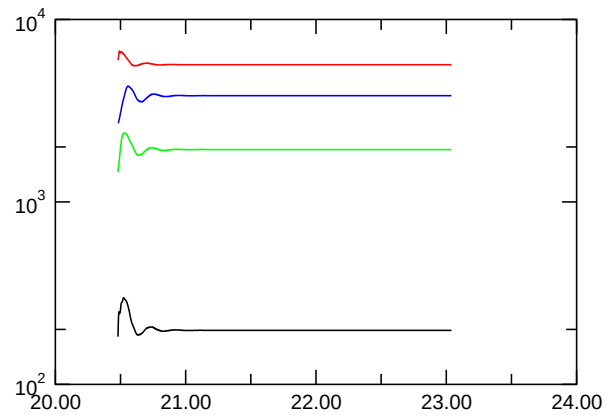
April 27, 2016



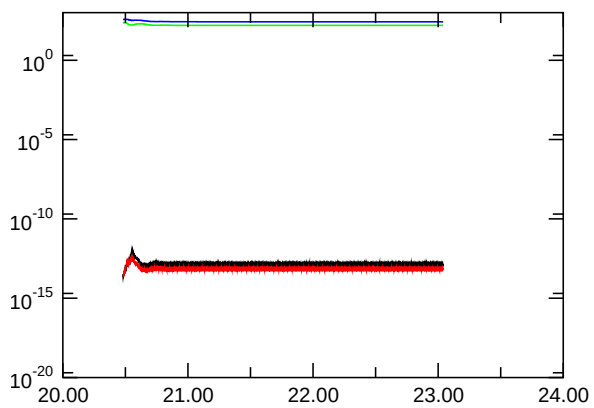
a.e03p1t03r-50000m1n2N2z9.5e4Yb  
 $E_{\text{kin}}$



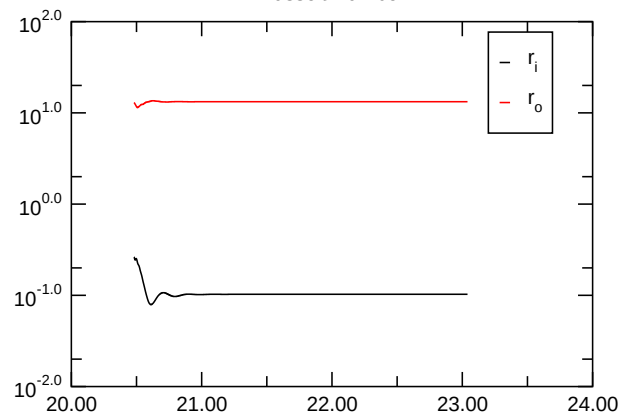
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

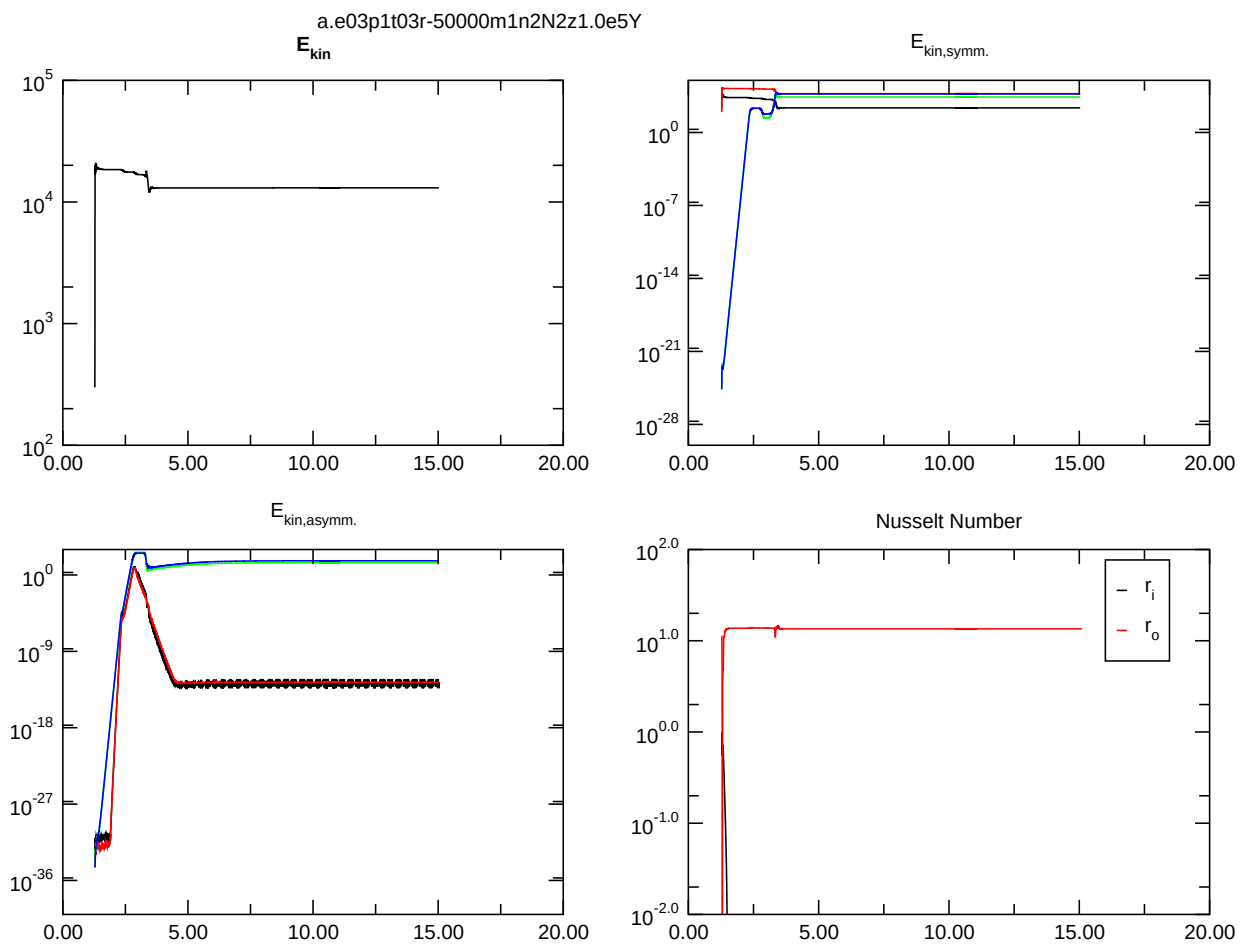
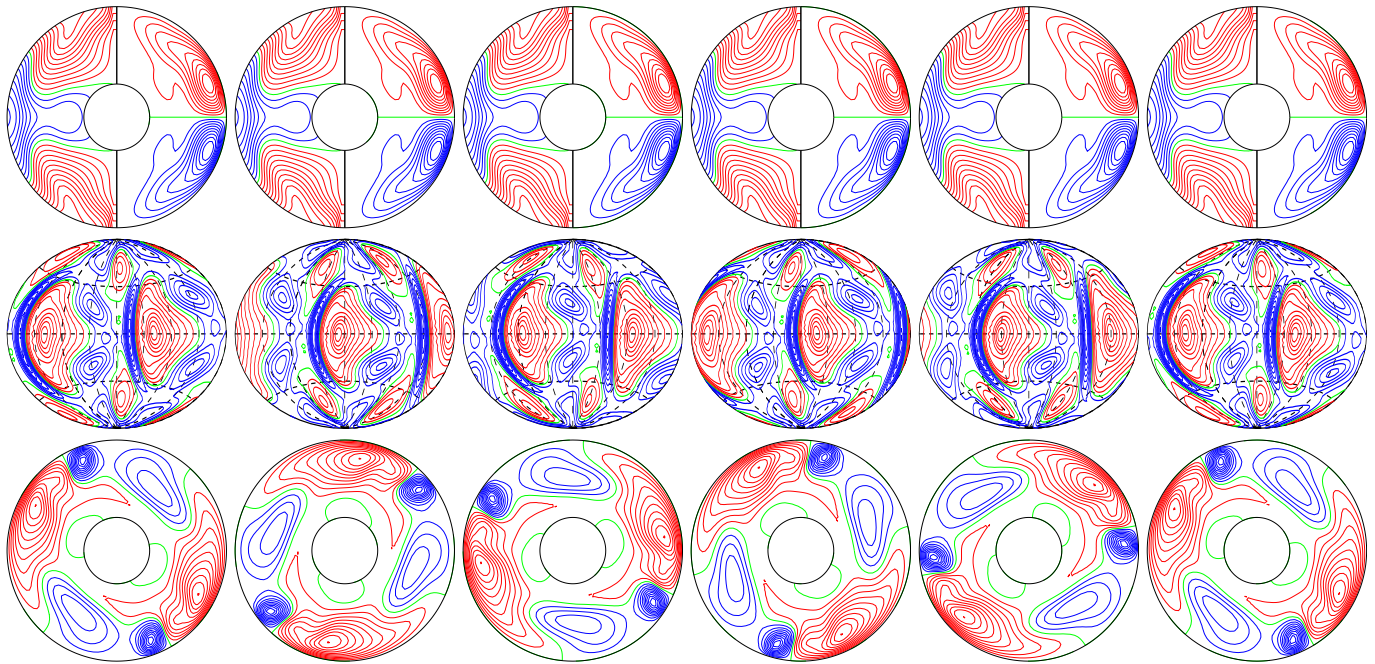


Nusselt Number



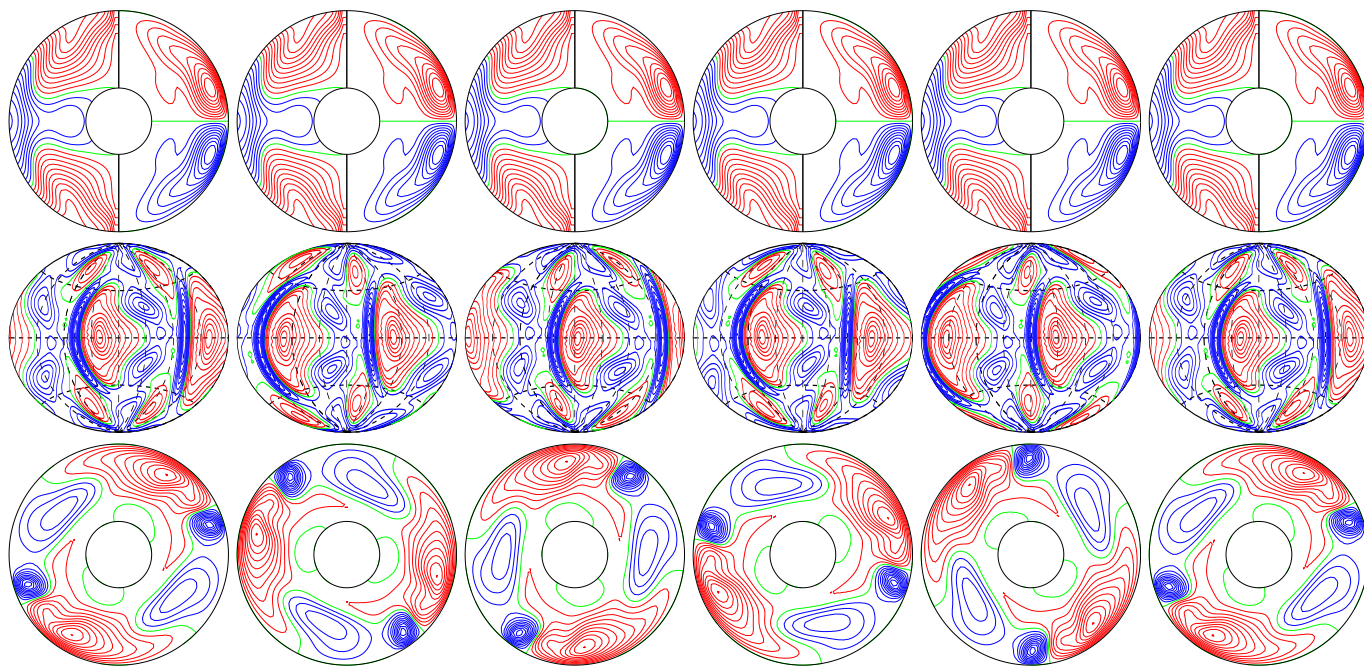
a.e03p1t03r-50000m1n2N2z1.0e5Y.11  
times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

April 27, 2016

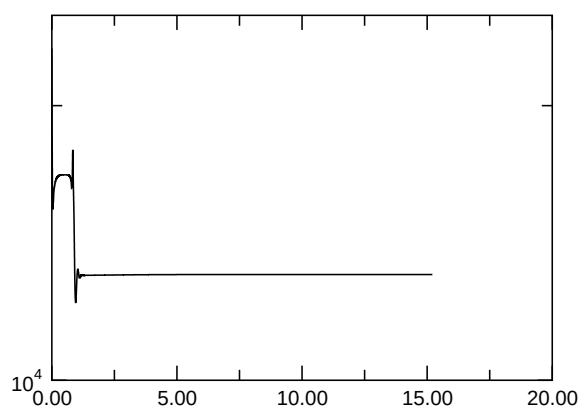


a.e03p1t03r-50000m1n2N2z1.0e5Ya.12  
times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

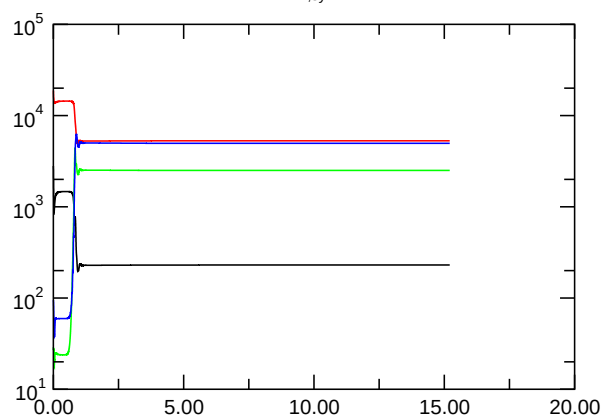
April 27, 2016



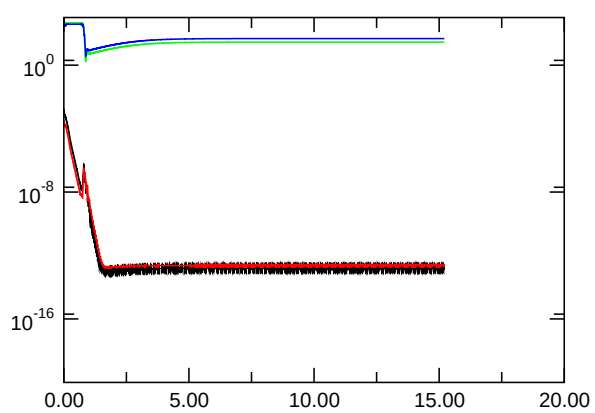
a.e03p1t03r-50000m1n2N2z1.0e5Ya  
 $E_{\text{kin}}$



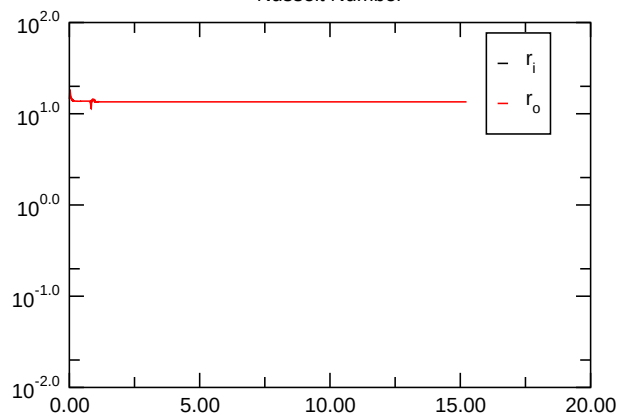
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

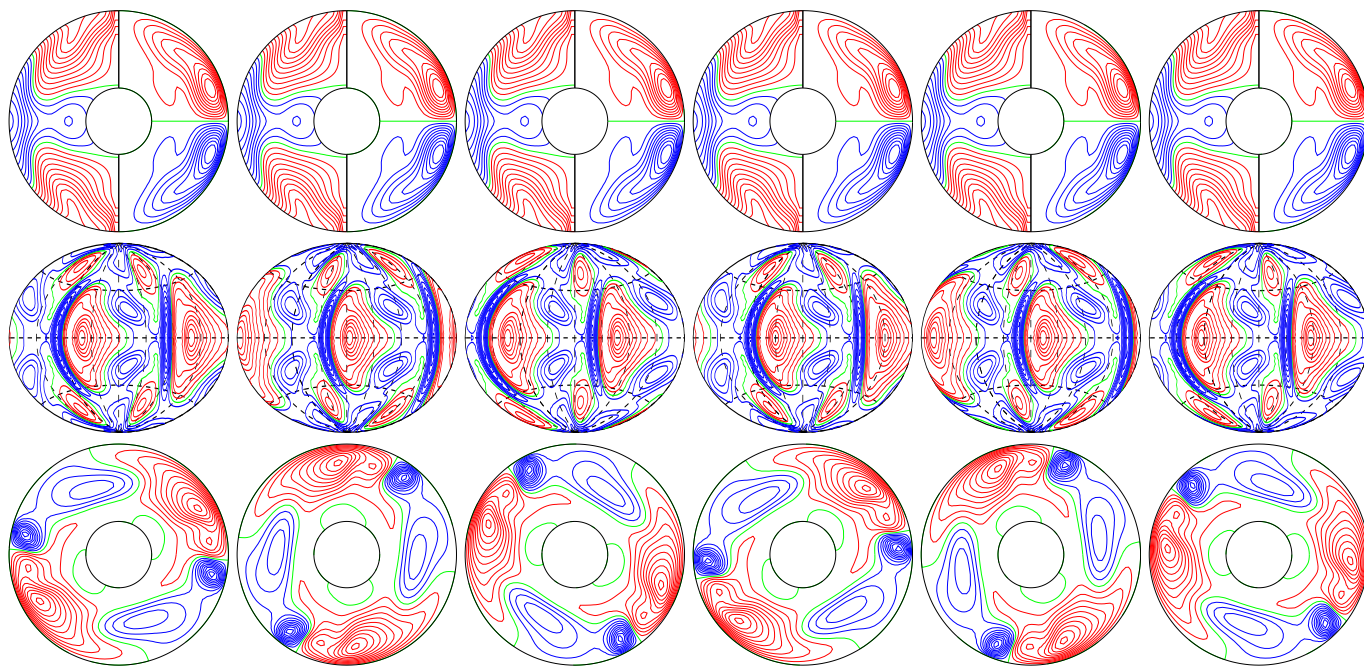


Nusselt Number



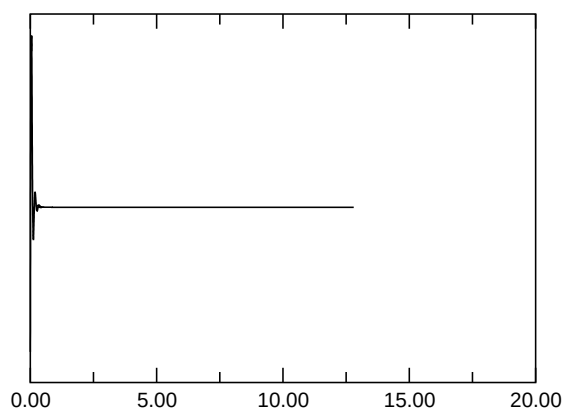
a.e03p1t03r-50000m1n2N2z1.05e5Yb.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

April 27, 2016

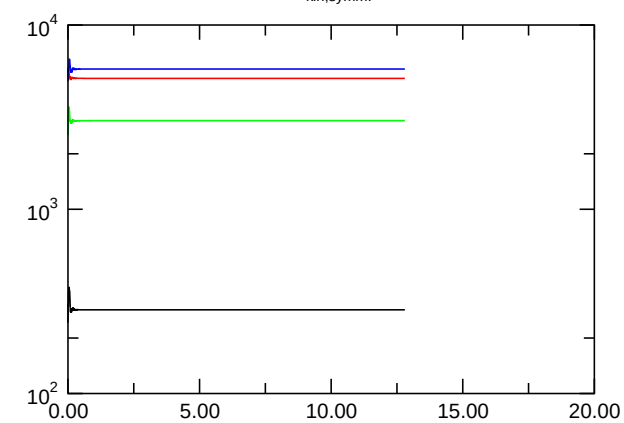


a.e03p1t03r-50000m1n2N2z1.05e5Yb

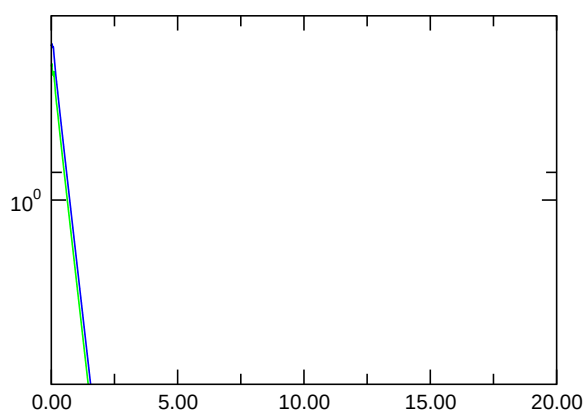
$E_{\text{kin}}$



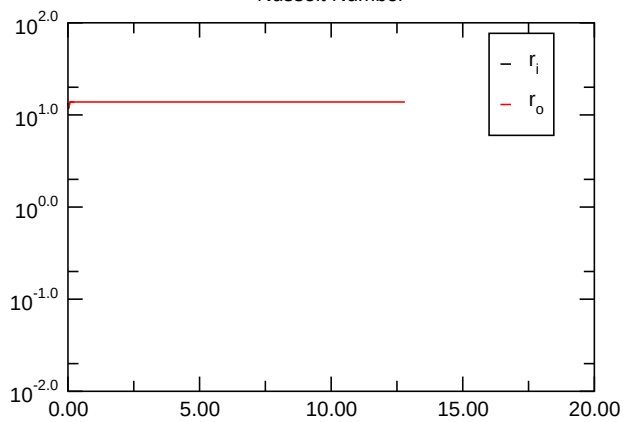
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



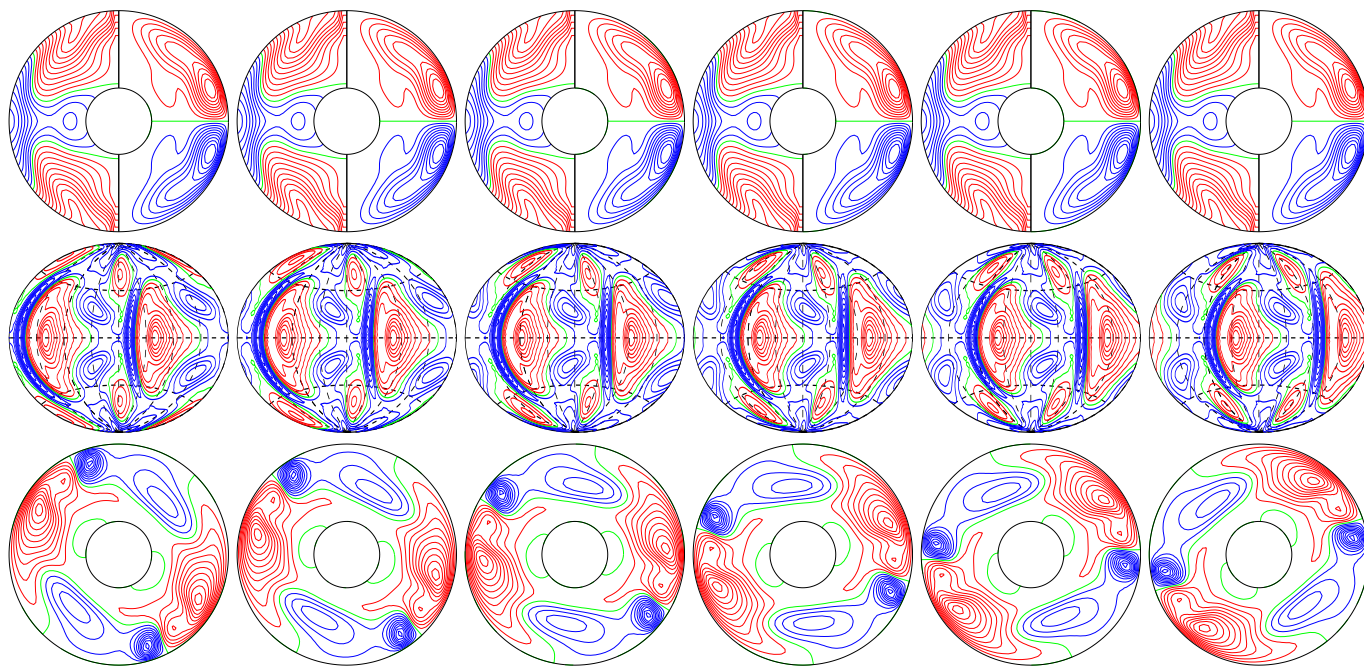
Nusselt Number





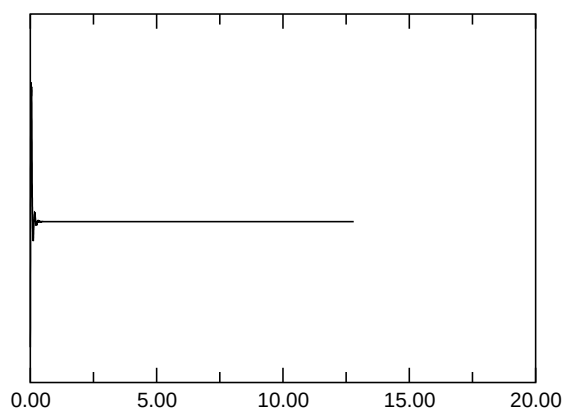
a.e03p1t03r-50000m1n2N2z1.1e5Yb.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

April 27, 2016

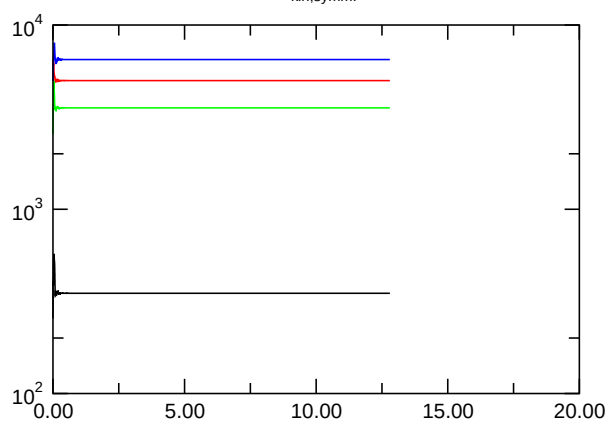


a.e03p1t03r-50000m1n2N2z1.1e5Yb

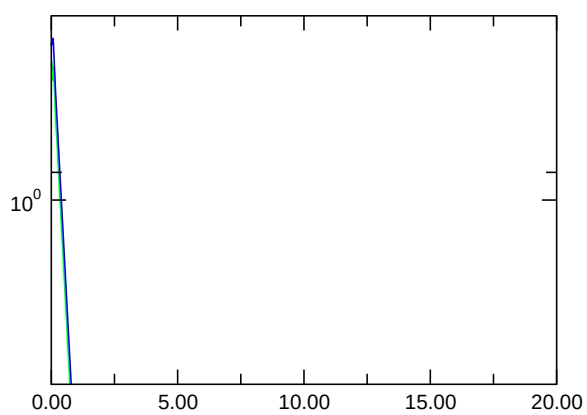
$E_{\text{kin}}$



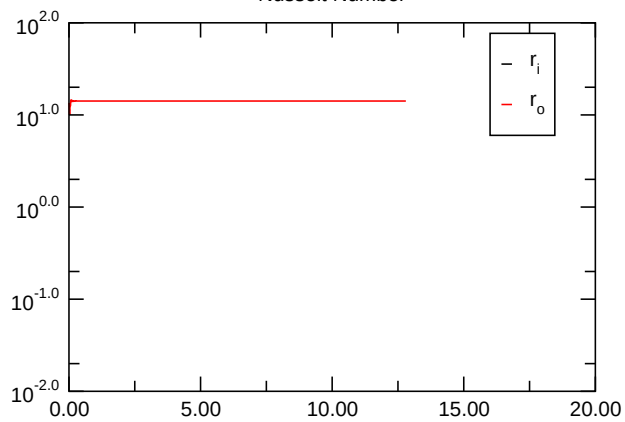
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

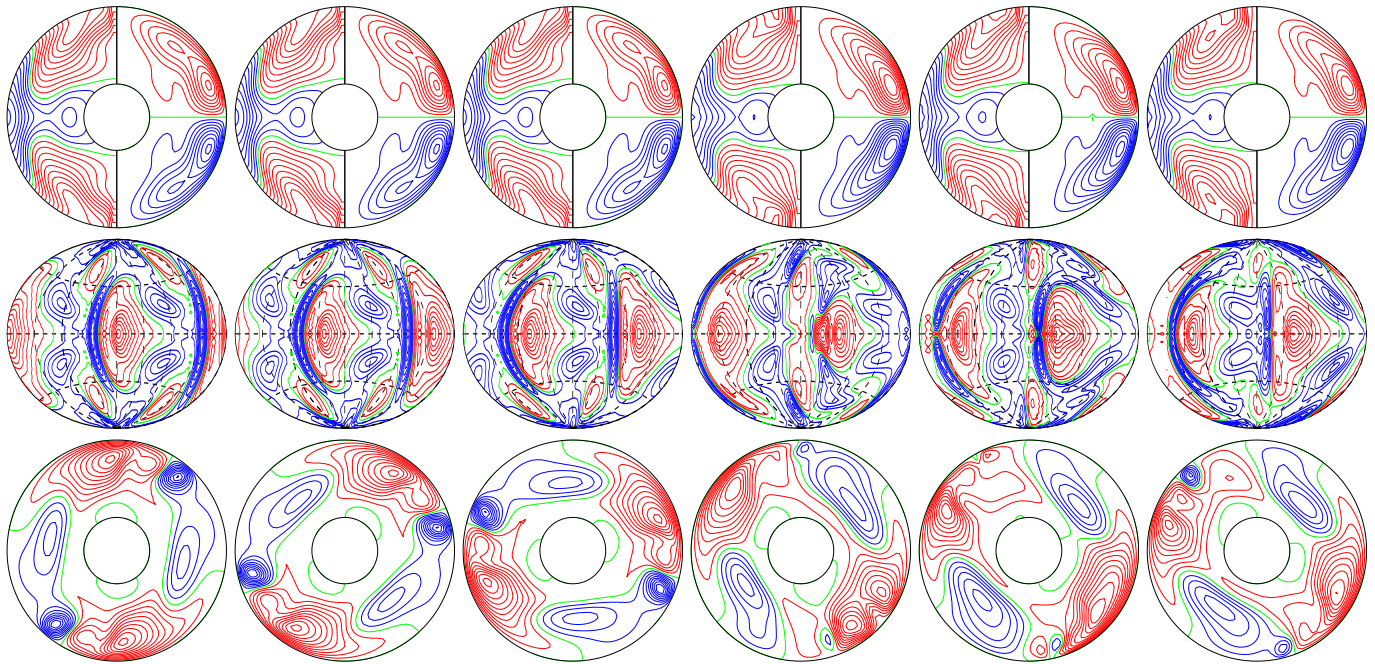


Nusselt Number

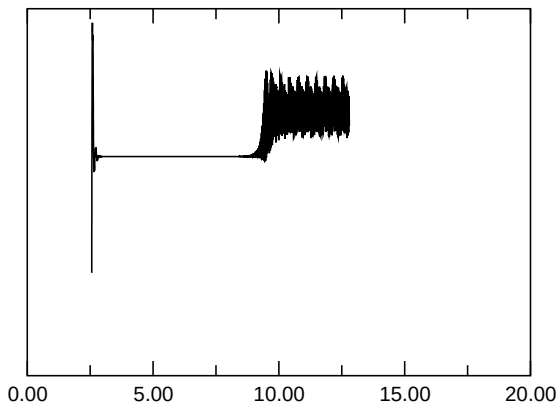


a.e03p1t03r-50000m1n2N2z1.15e5Yb.9  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

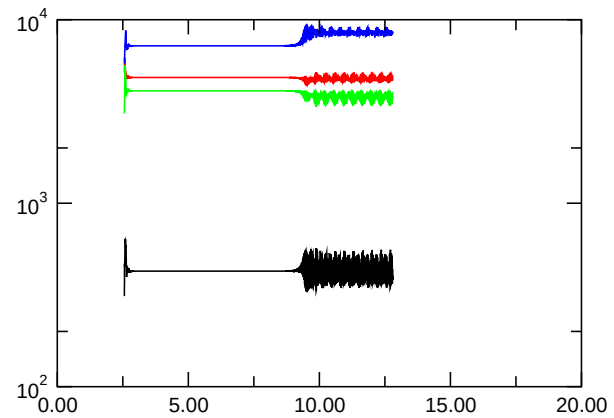
April 27, 2016



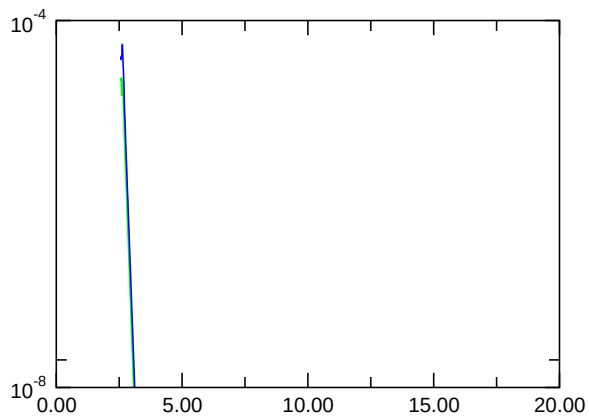
a.e03p1t03r-50000m1n2N2z1.15e5Yb  
 $E_{\text{kin}}$



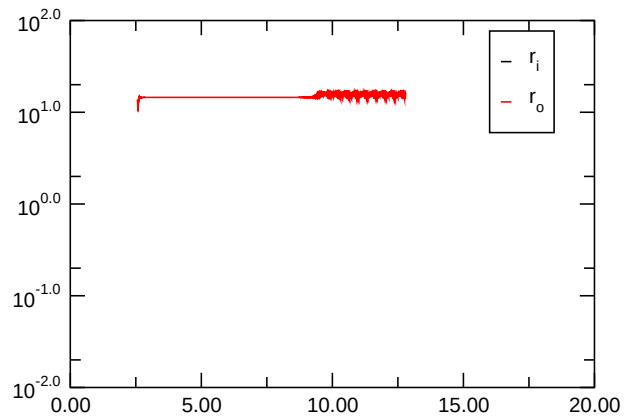
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



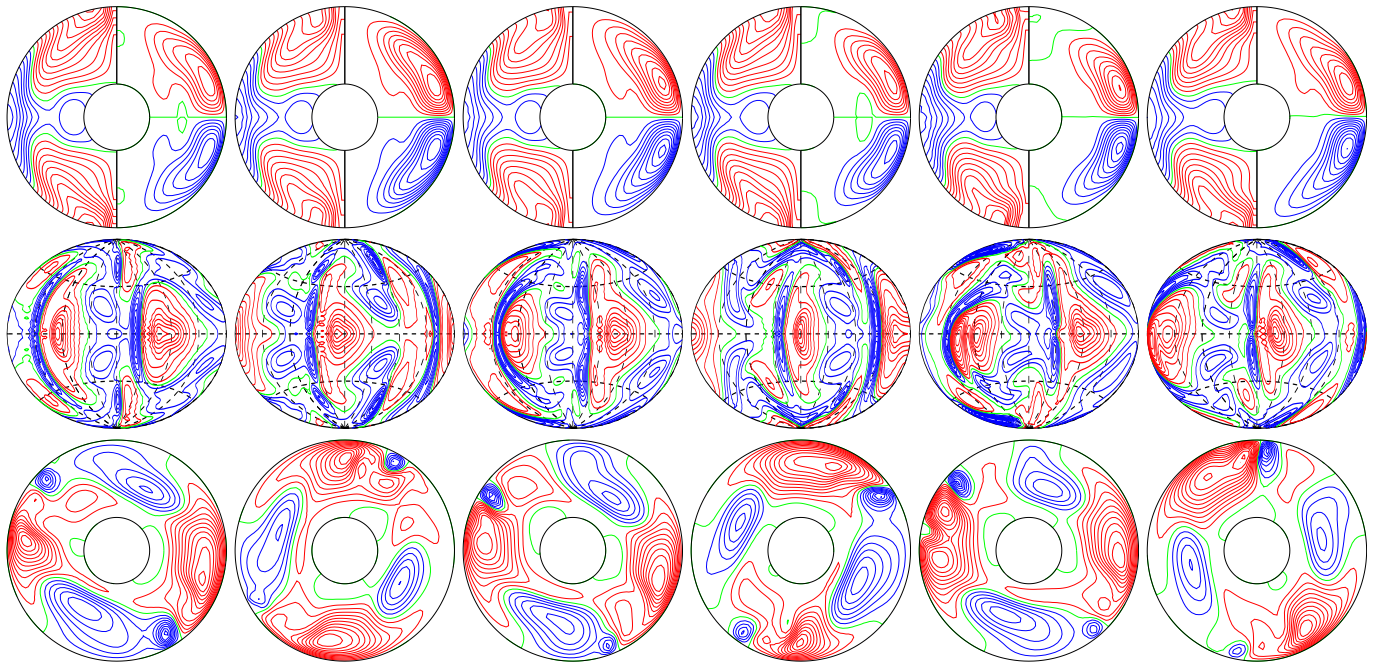
Nusselt Number



a.e03p1t03r-50000m1n2N2z1.2e5Yb.9

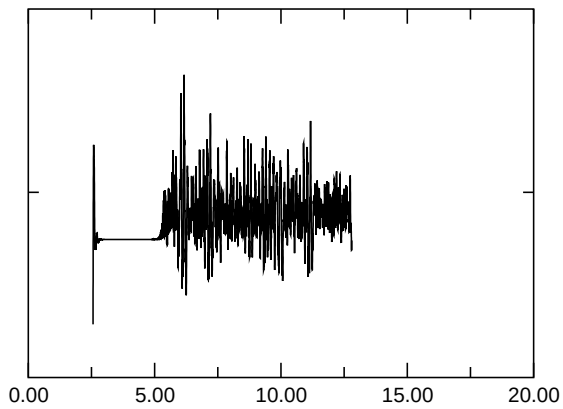
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

April 27, 2016

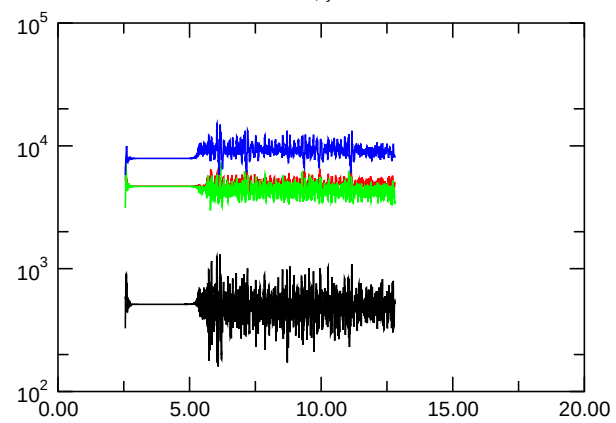


a.e03p1t03r-50000m1n2N2z1.2e5Yb

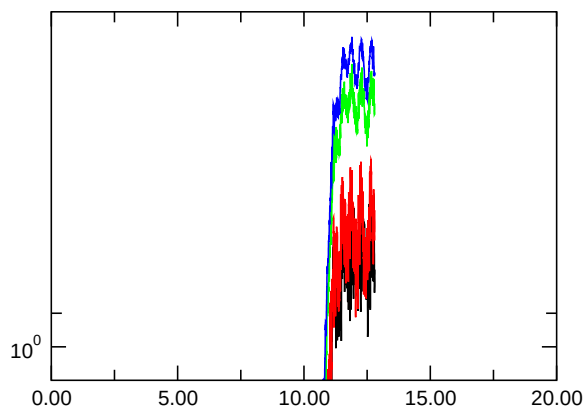
$E_{\text{kin}}$



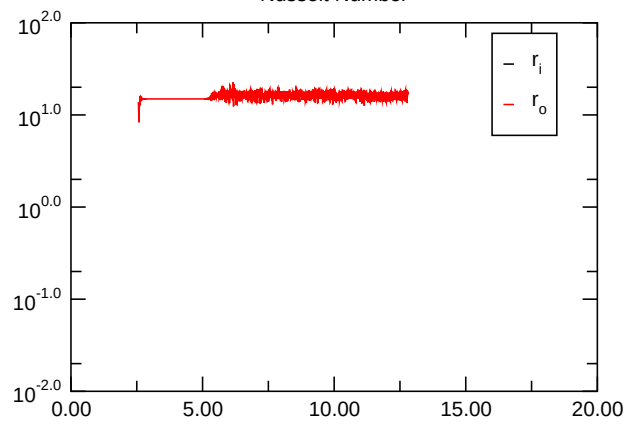
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



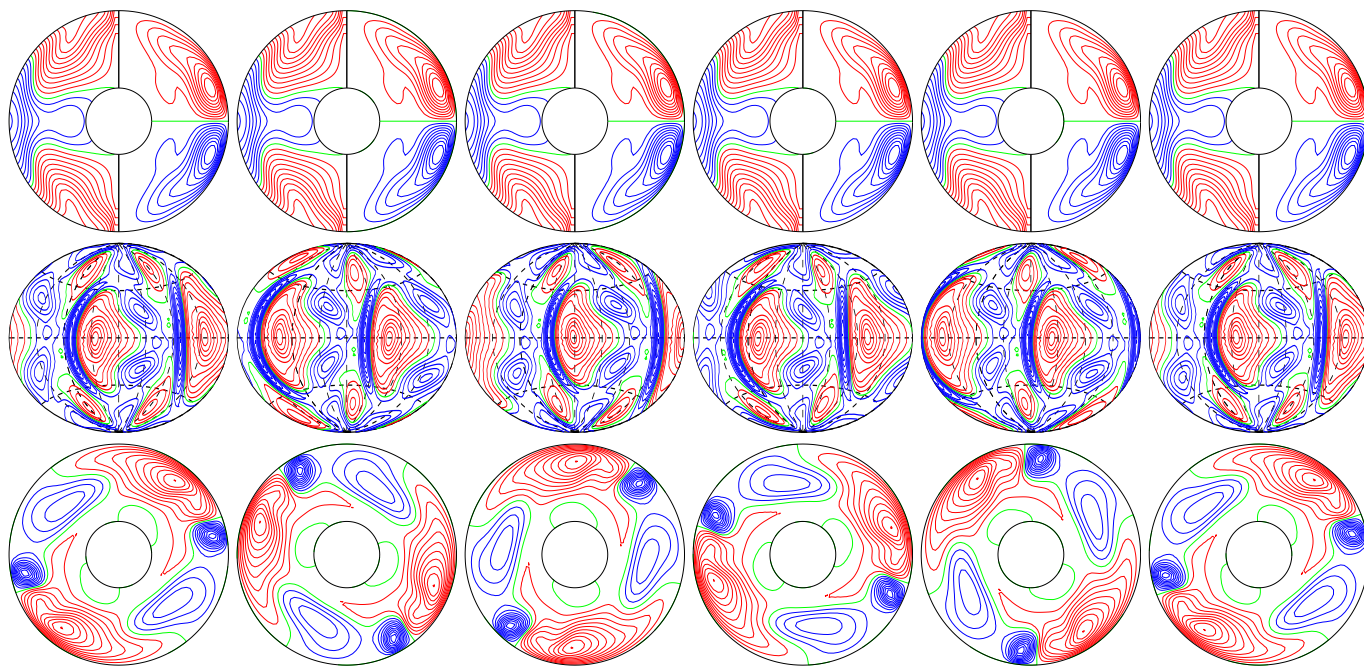
Nusselt Number



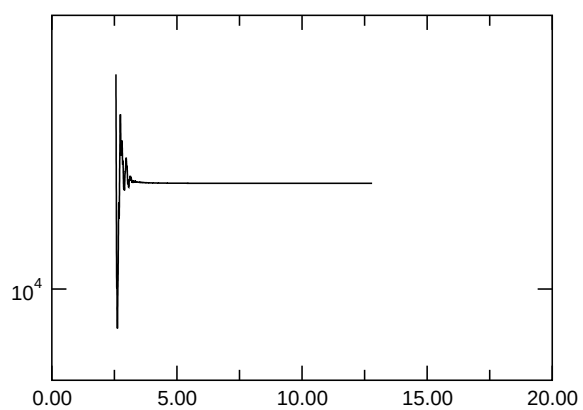
a.e03p1t03r-50000m1n2N2z1.0e5Yaa.9

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

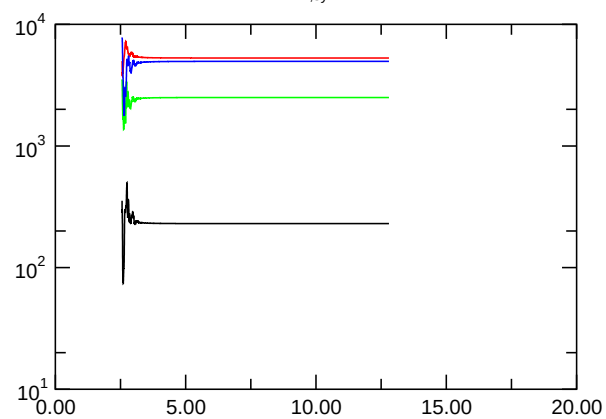
April 27, 2016



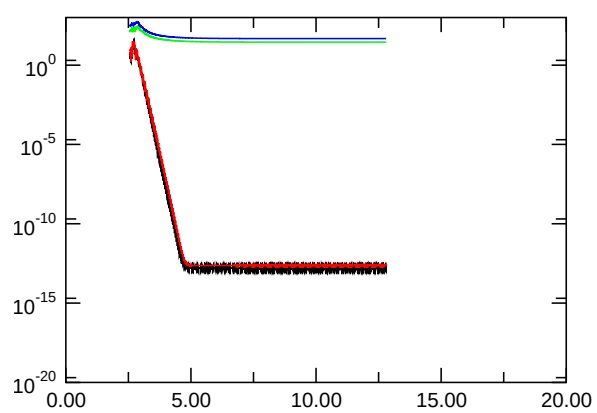
a.e03p1t03r-50000m1n2N2z1.0e5Yaa  
 $E_{\text{kin}}$



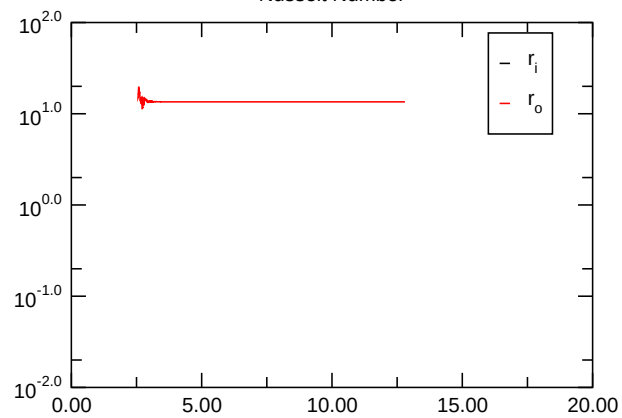
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



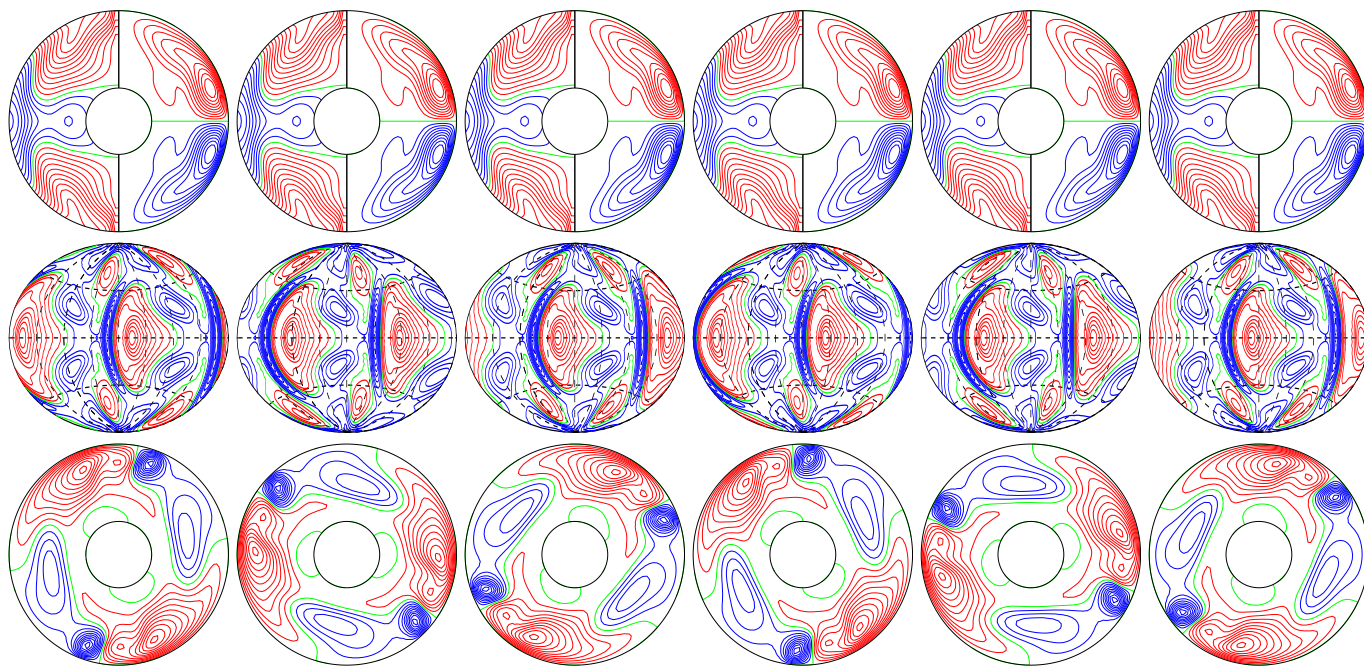
Nusselt Number





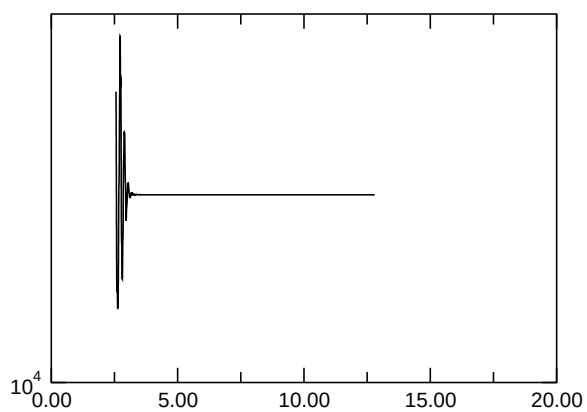
a.e03p1t03r-50000m1n2N2z1.05e5Ya.9  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

April 27, 2016

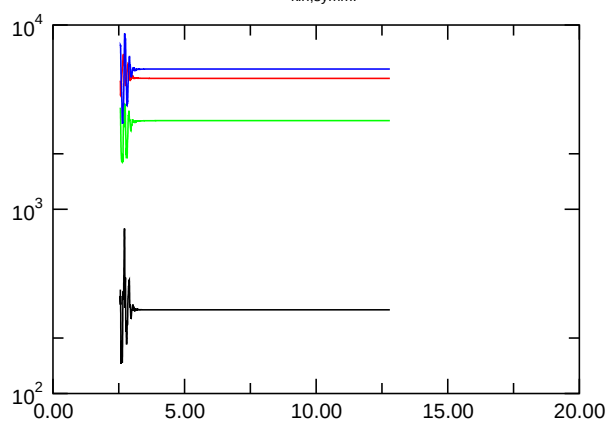


a.e03p1t03r-50000m1n2N2z1.05e5Ya

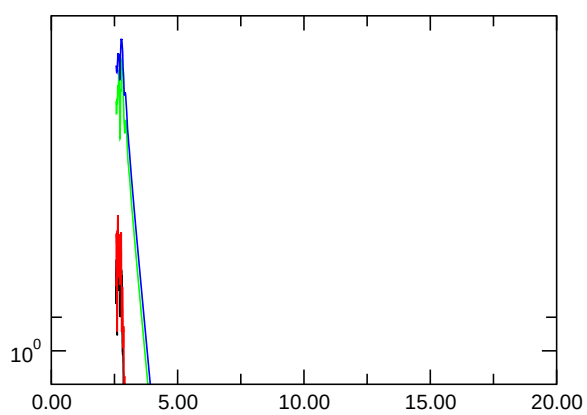
$E_{\text{kin}}$



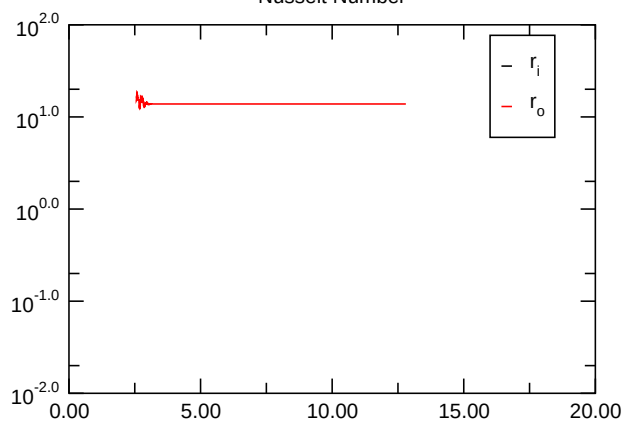
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



Nusselt Number

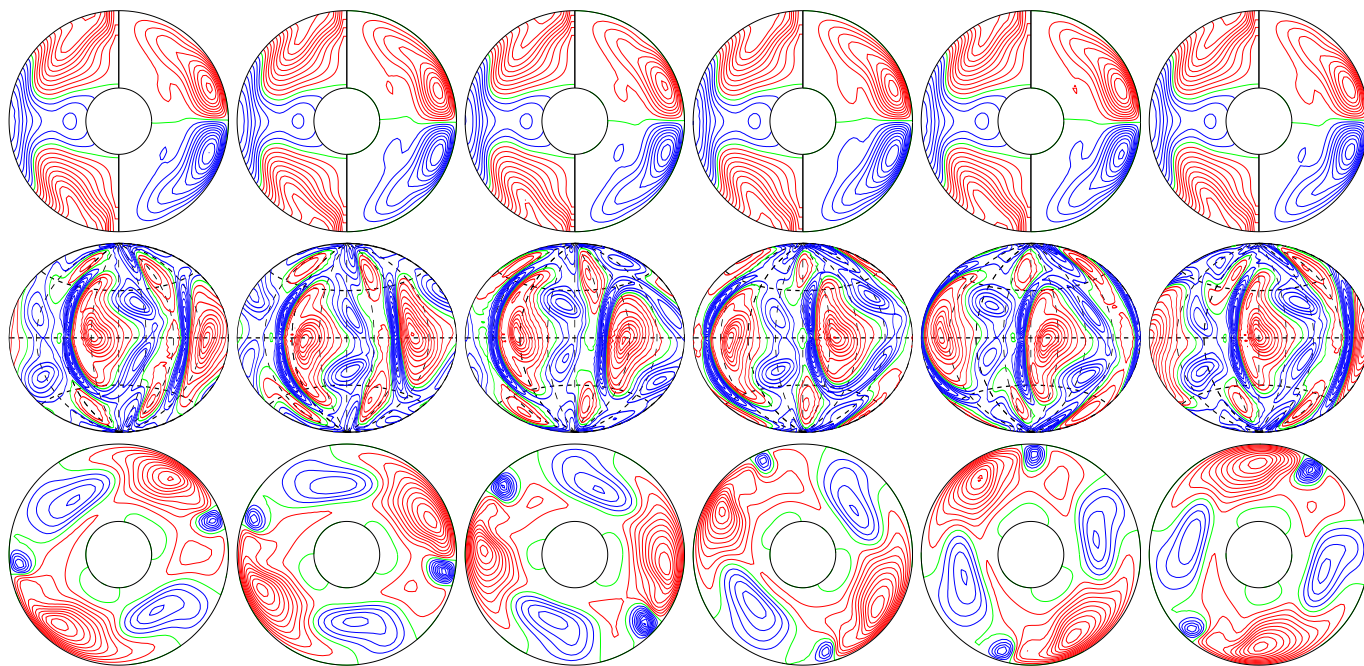




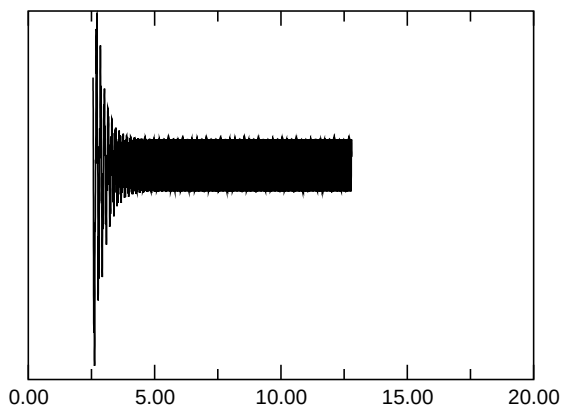
a.e03p1t03r-50000m1n2N2z1.1e5Ya.9

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

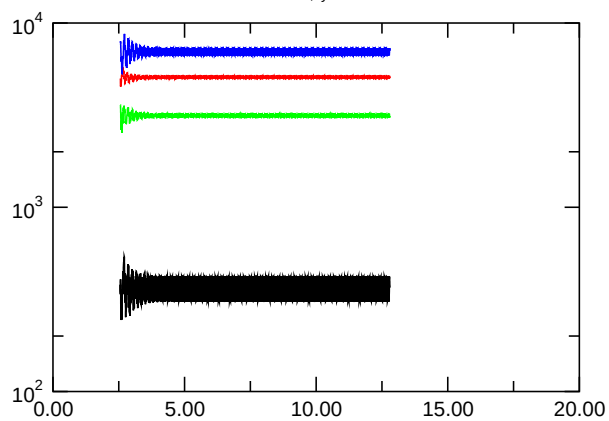
April 27, 2016



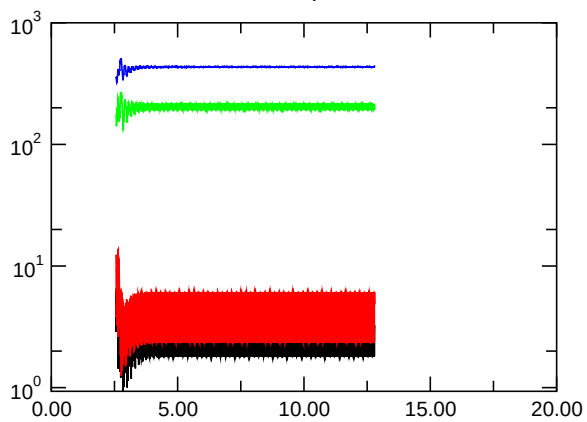
a.e03p1t03r-50000m1n2N2z1.1e5Ya  
 $E_{\text{kin}}$



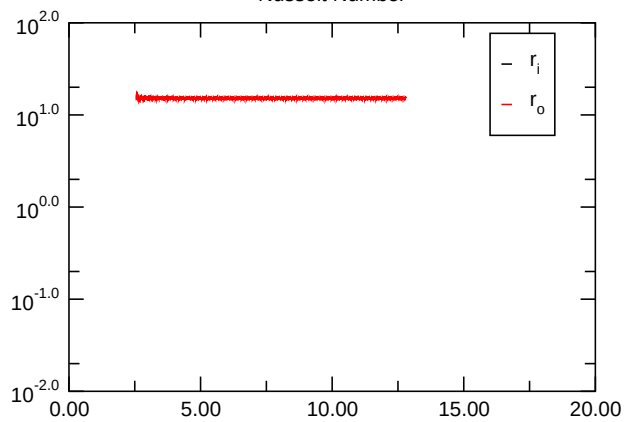
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

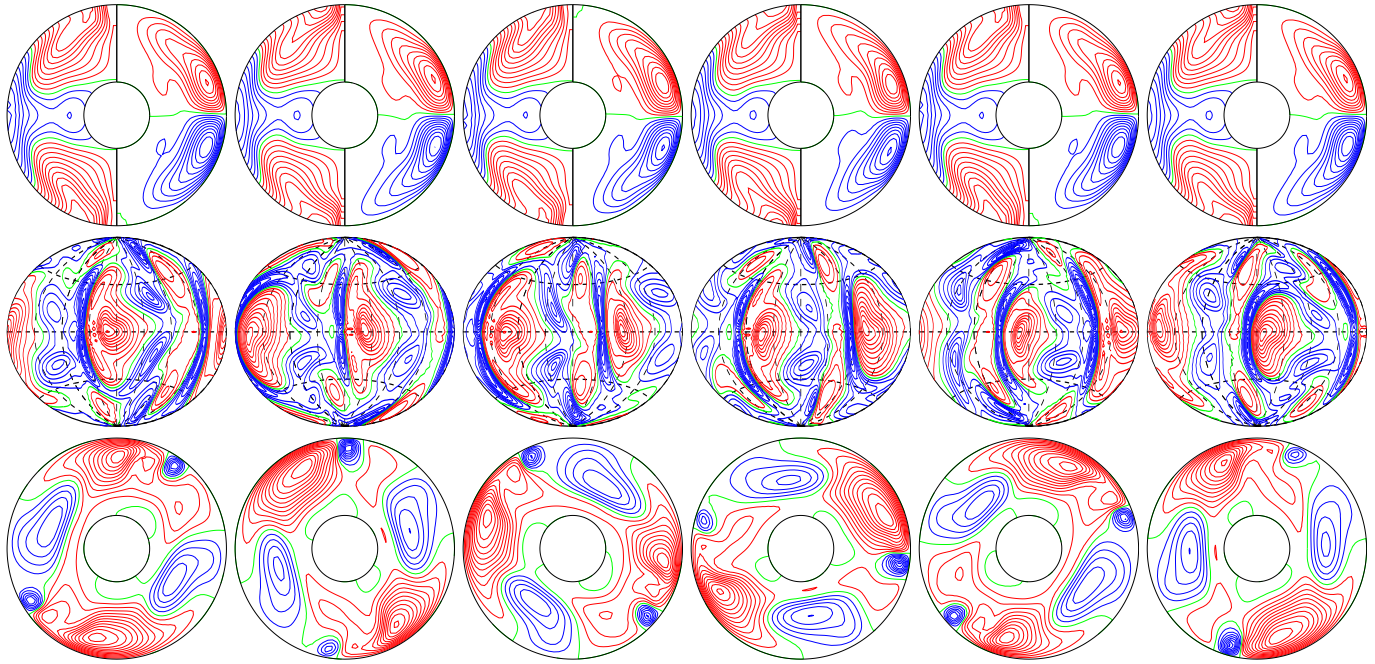


Nusselt Number

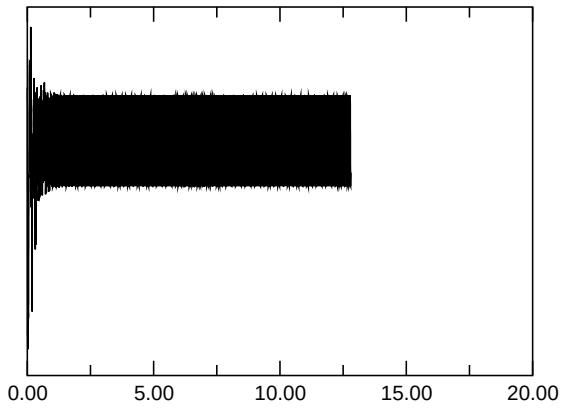


a.e03p1t03r-50000m1n2N2z1.15e5Ya.11  
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

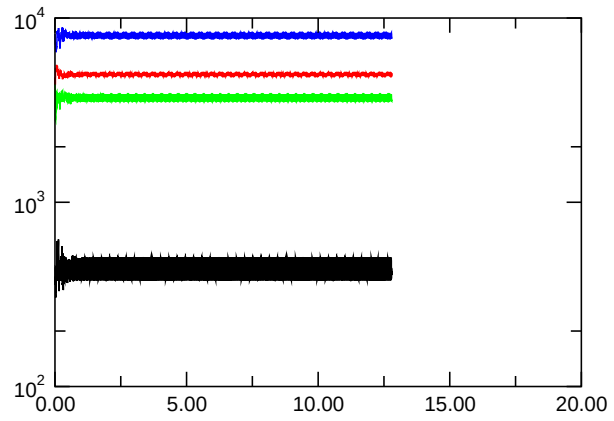
April 27, 2016



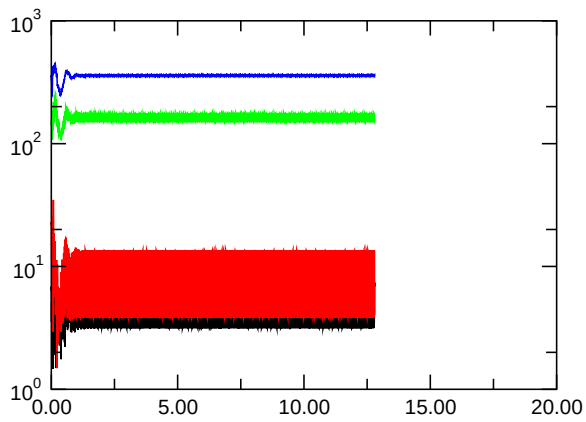
a.e03p1t03r-50000m1n2N2z1.15e5Ya  
 $E_{\text{kin}}$



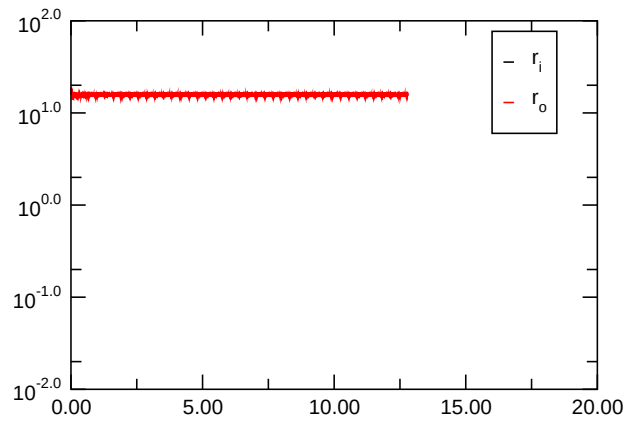
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



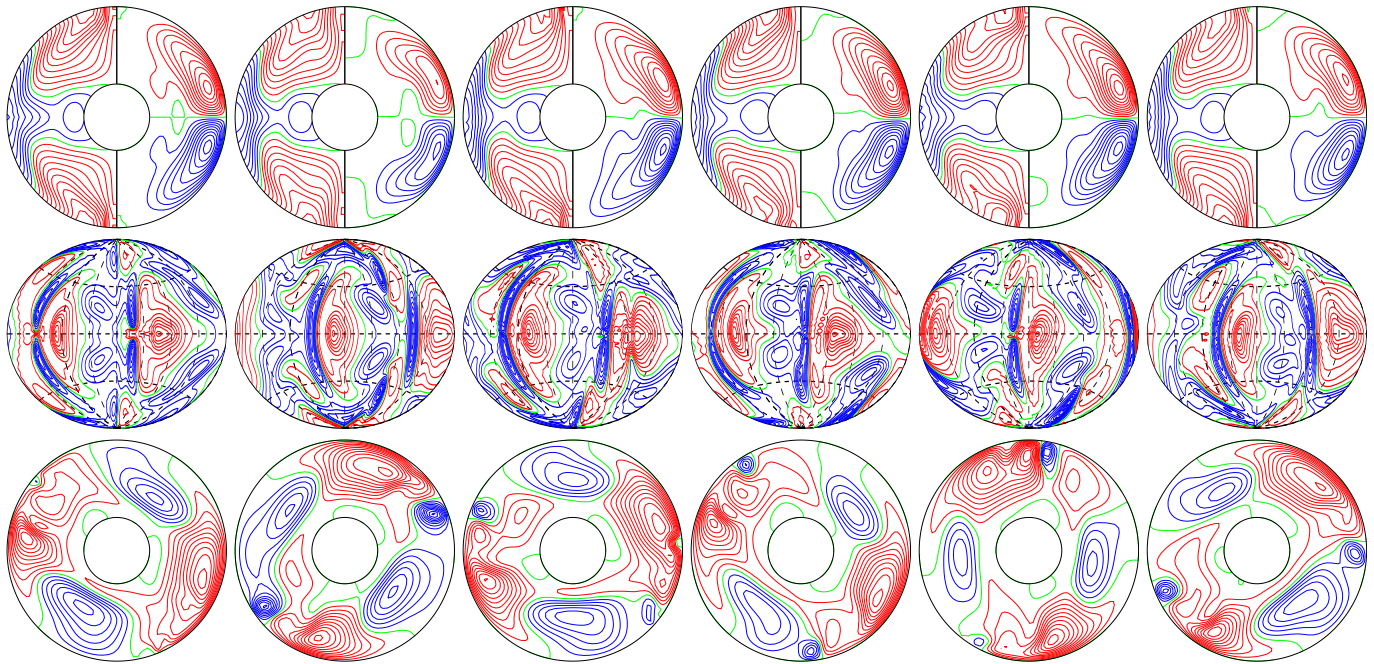
Nusselt Number



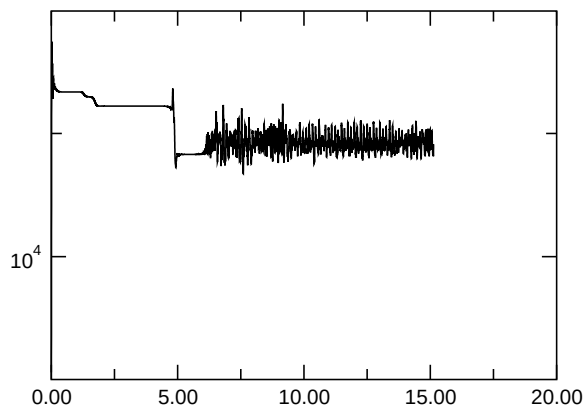
a.e03p1t03r-50000m1n2N2z1.2e5Y.12

times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

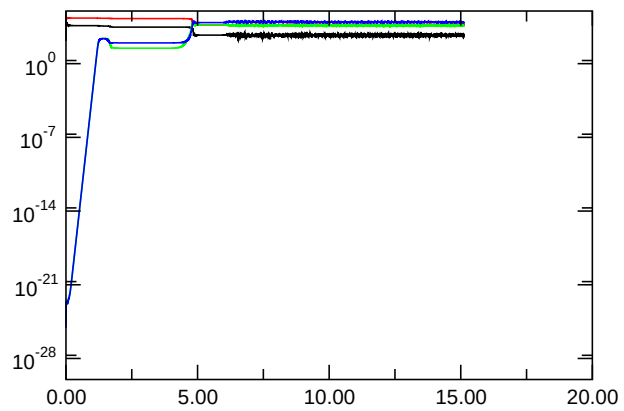
April 27, 2016



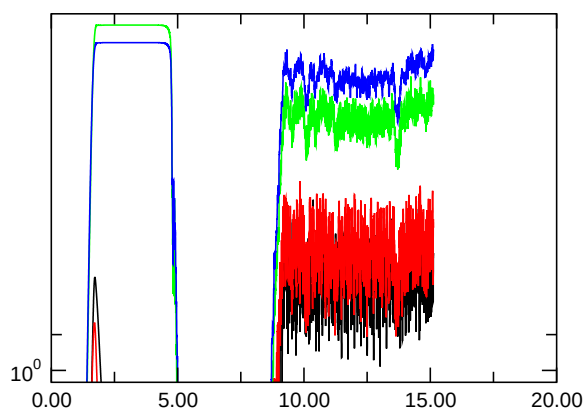
a.e03p1t03r-50000m1n2N2z1.2e5Y  
 $E_{\text{kin}}$



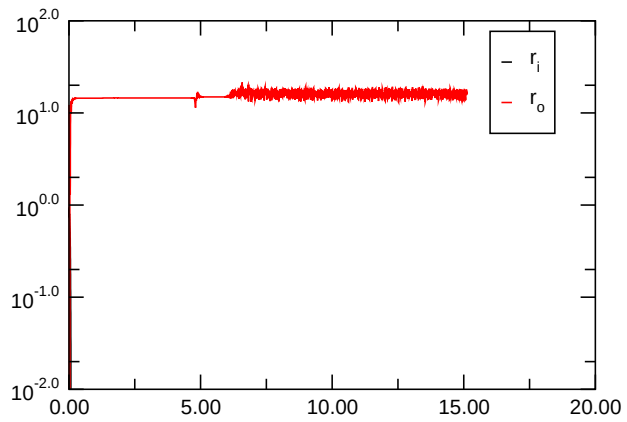
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$

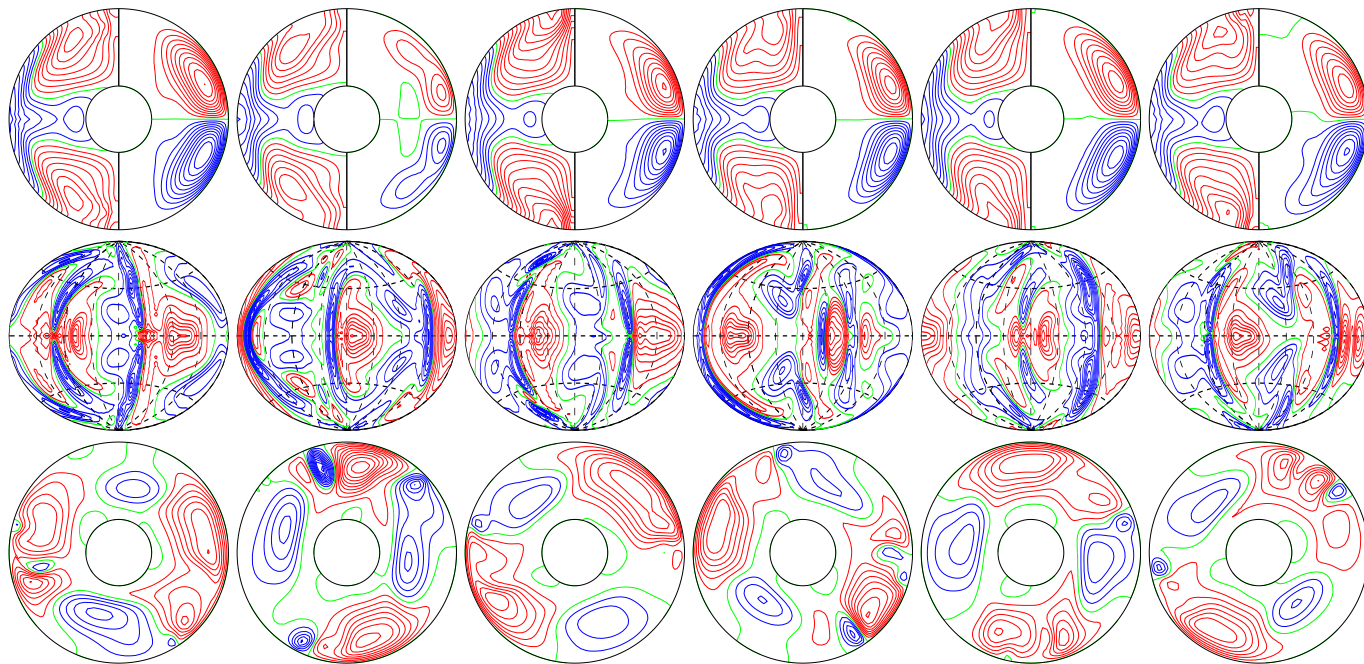


Nusselt Number

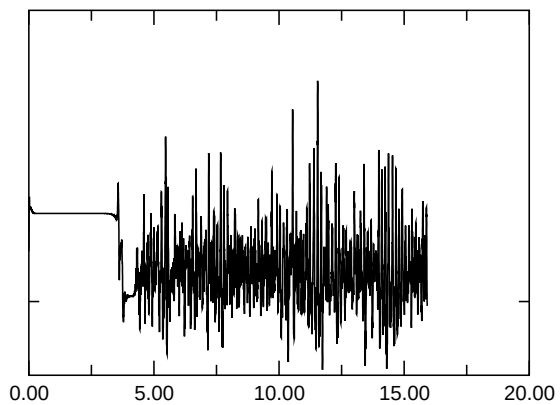


a.e03p1t03r-50000m1n2N2z1.3e5Y.19  
times: 8.960007 10.24001 11.52001 12.80001 14.08001 15.36001

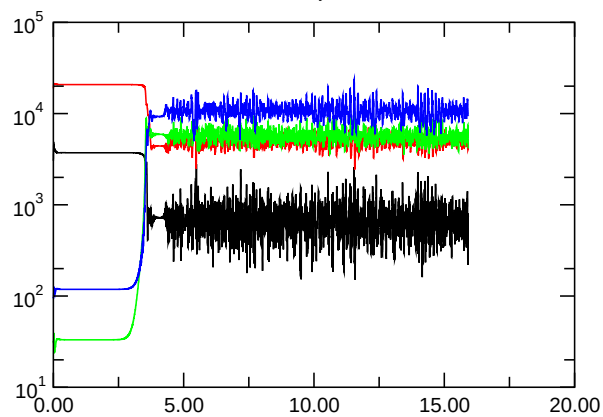
April 27, 2016



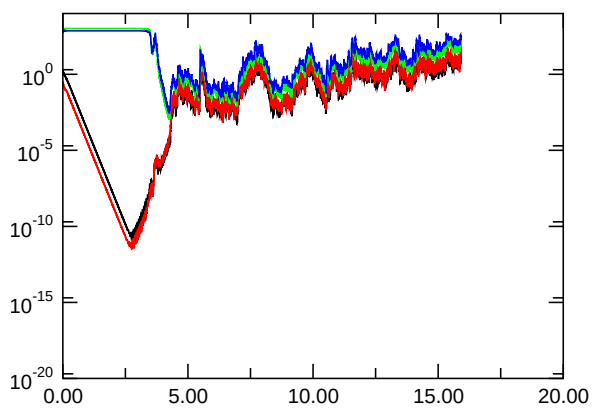
a.e03p1t03r-50000m1n2N2z1.3e5Y  
 $E_{\text{kin}}$



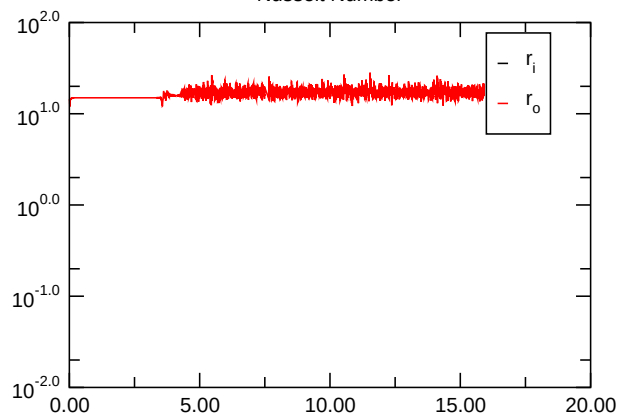
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



Nusselt Number

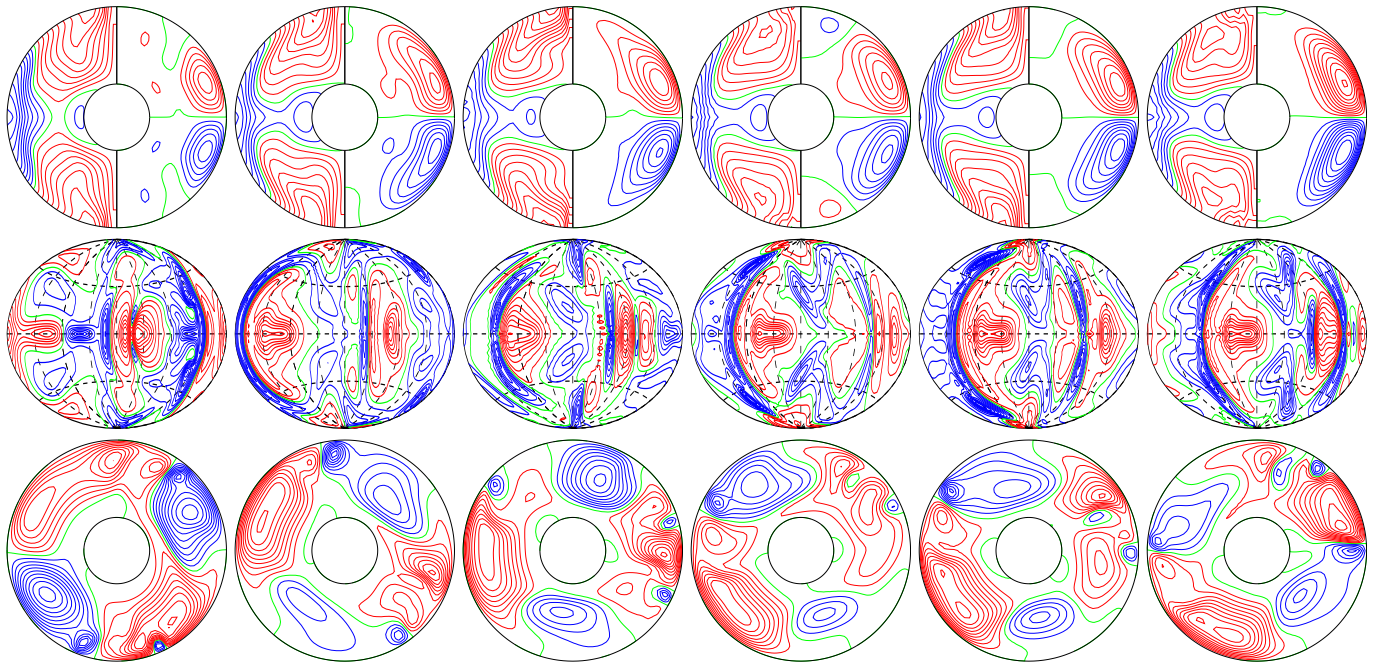




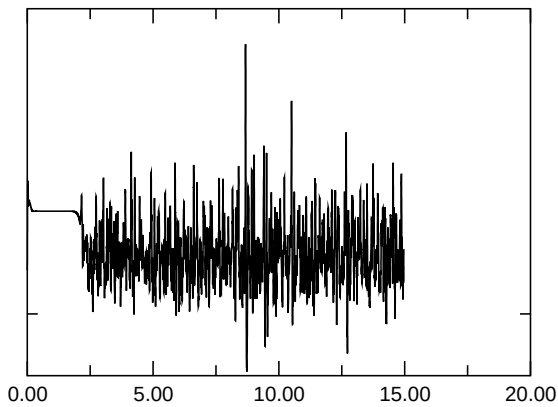
a.e03p1t03r-50000m1n2N2z1.4e5Y.14

times: 8.320007 9.600008 10.88001 12.16001 13.44001 14.72001

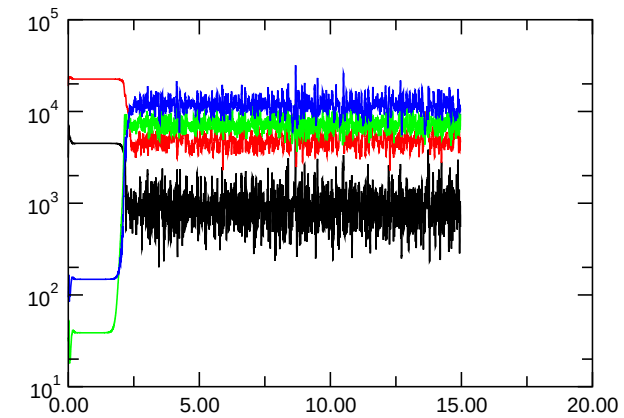
April 27, 2016



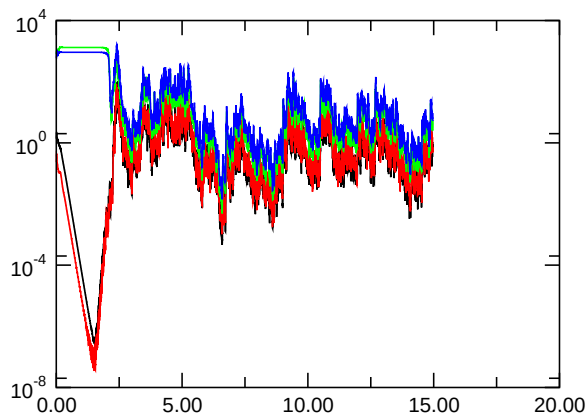
a.e03p1t03r-50000m1n2N2z1.4e5Y  
 $E_{\text{kin}}$



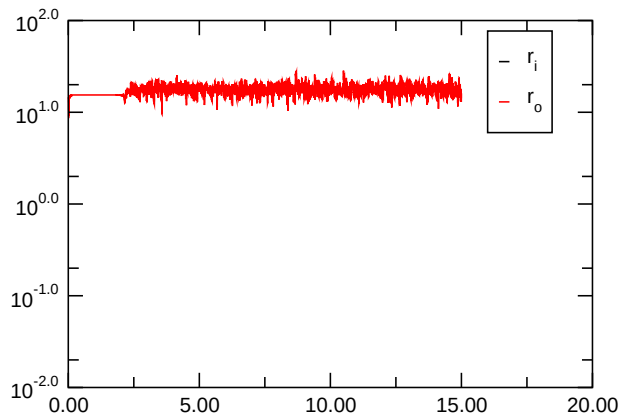
$E_{\text{kin,symm.}}$



$E_{\text{kin,asymm.}}$



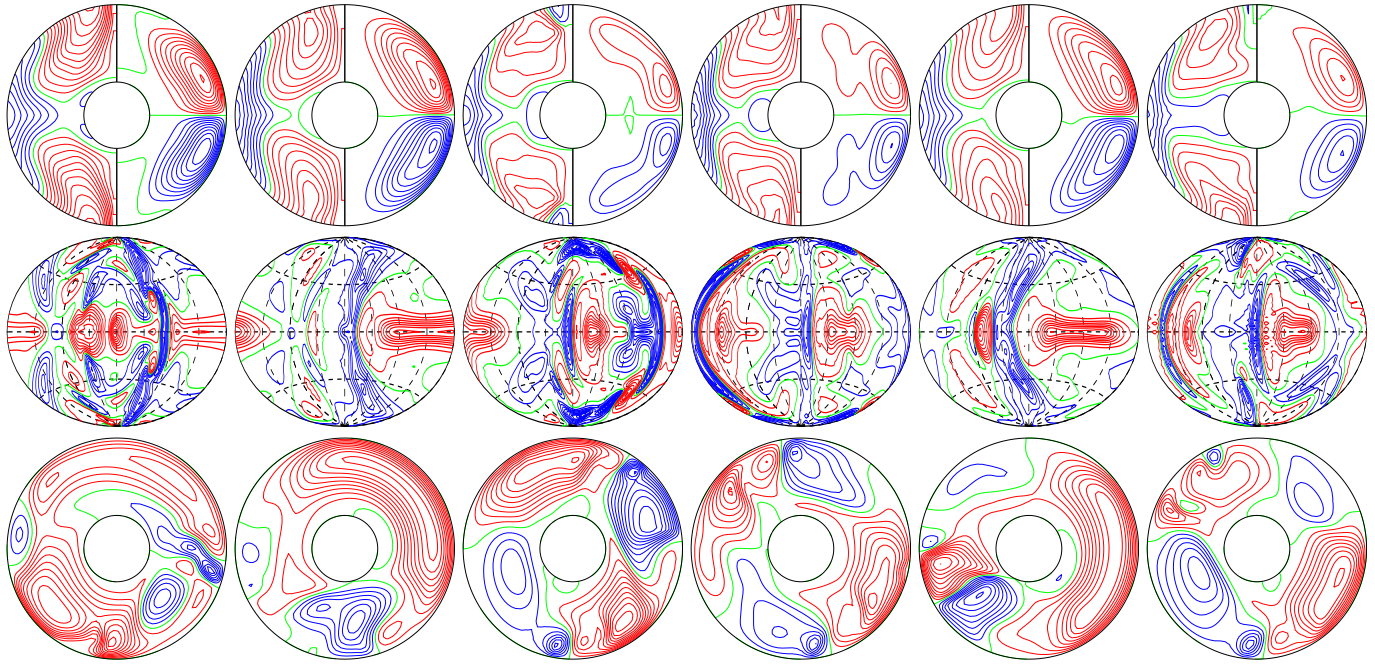
Nusselt Number



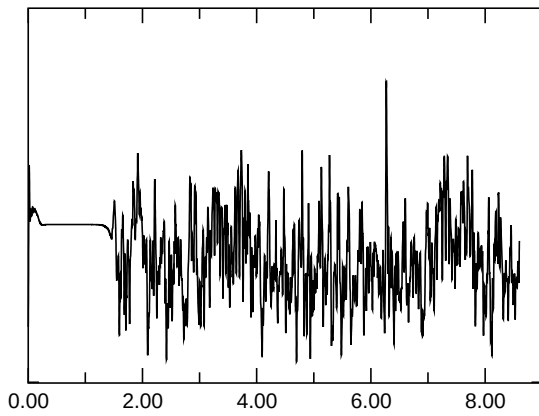
a.e03p1t03r-50000m1n2N2z1.5e5Y.9

April 27, 2016

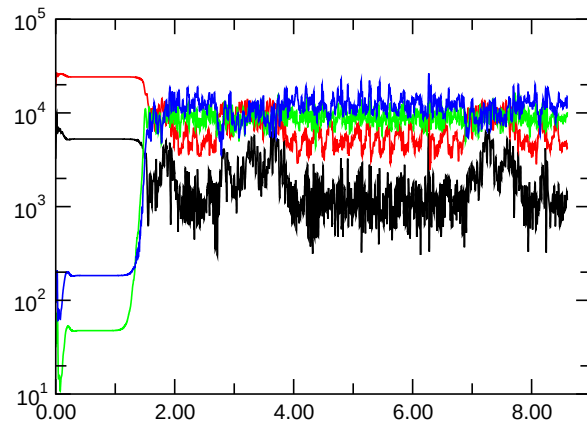
times: 1.920002 3.200003 4.480004 5.760005 7.040006 8.320007



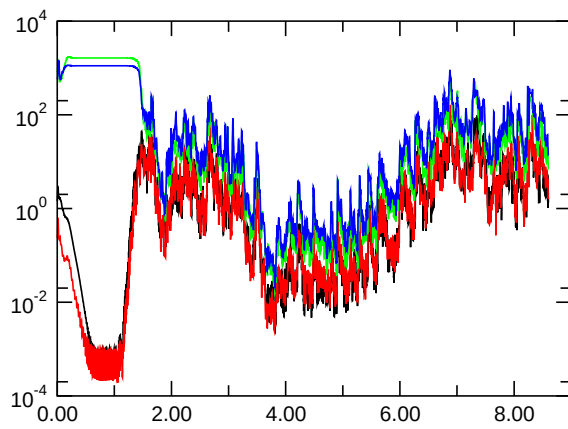
a.e03p1t03r-50000m1n2N2z1.5e5Y  
 $E_{\text{kin}}$



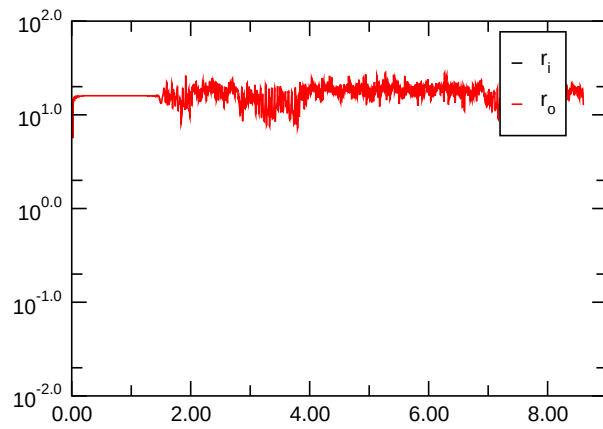
$E_{\text{kin, symm.}}$



$E_{\text{kin, asymm.}}$

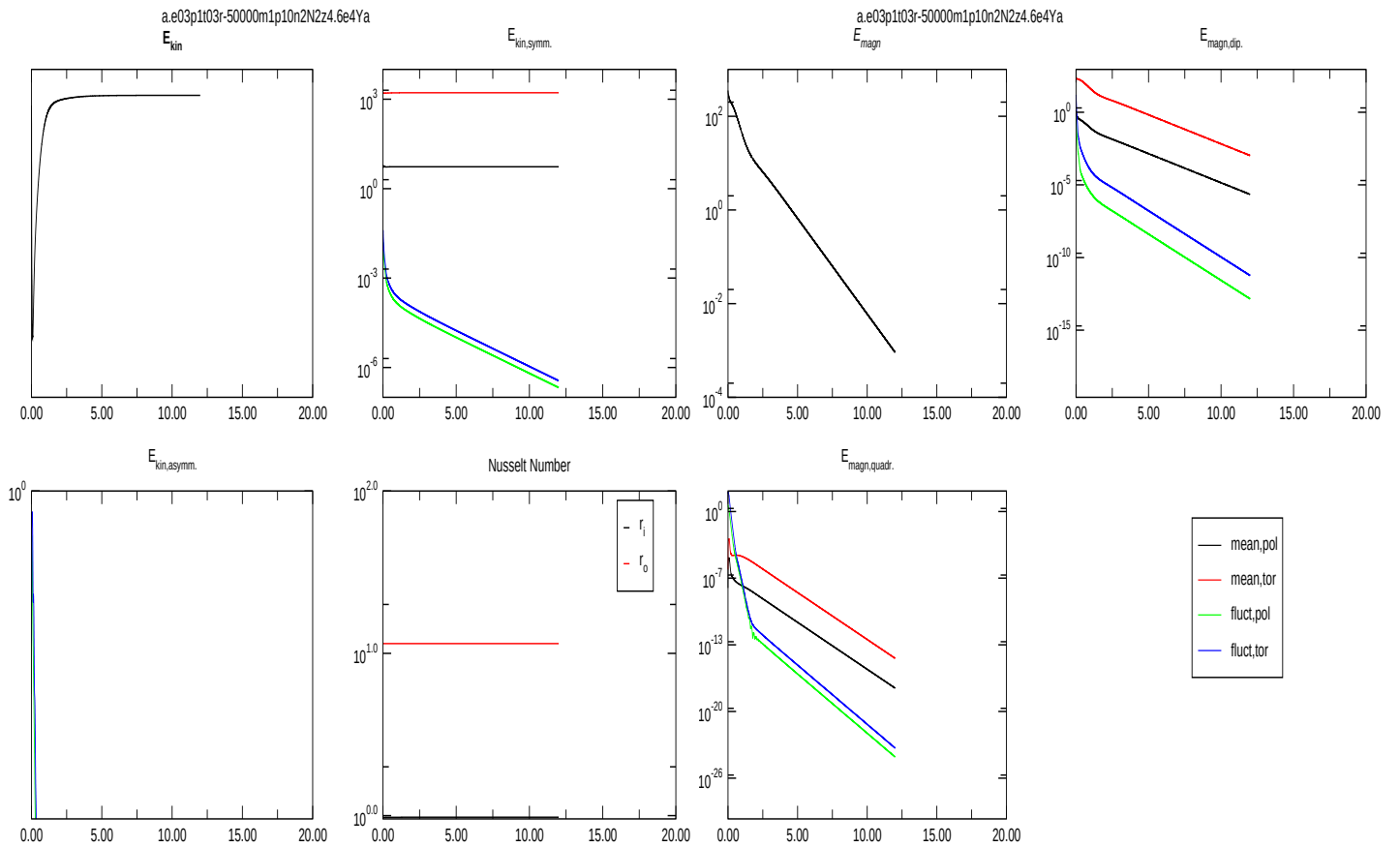
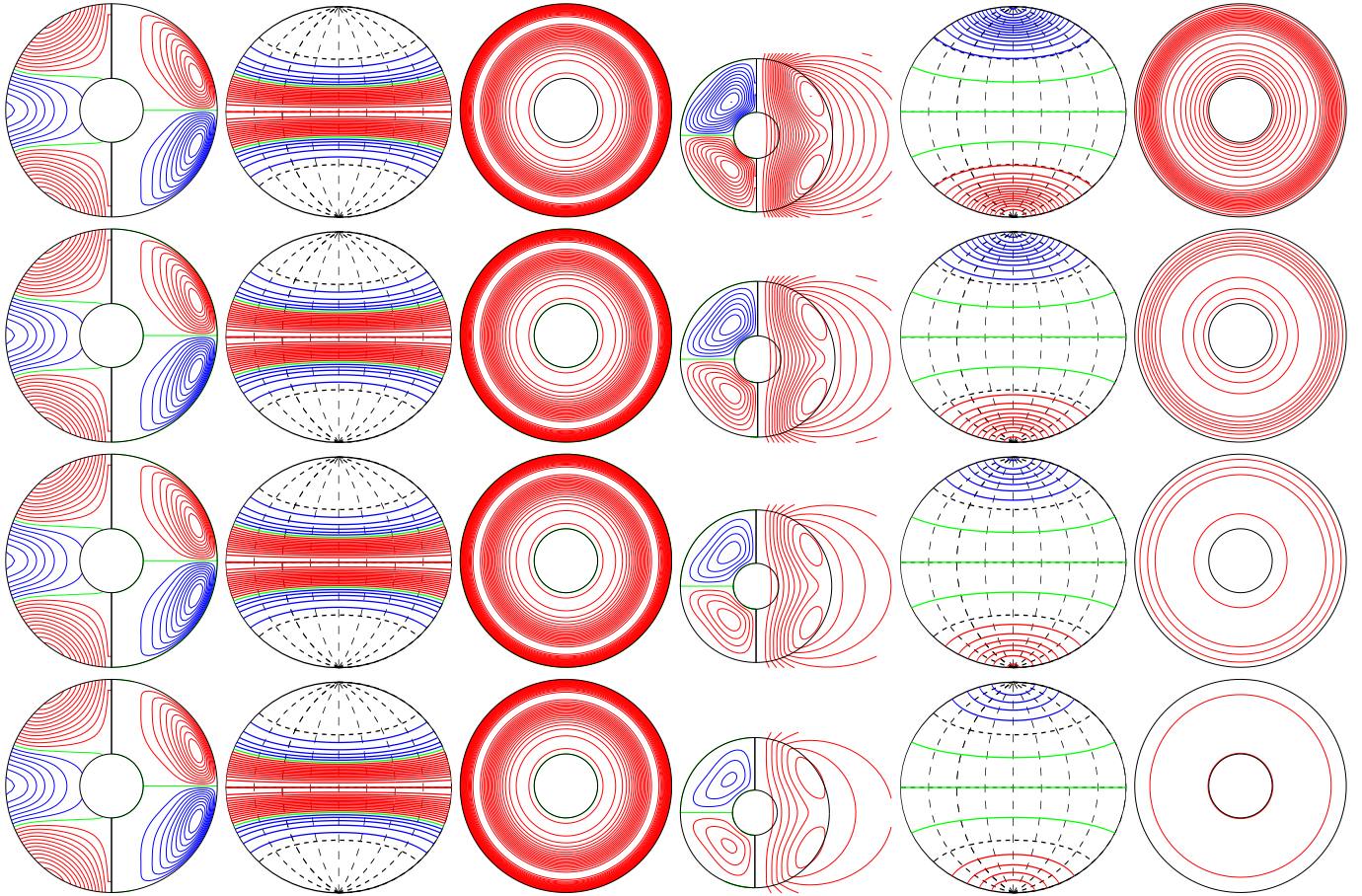


Nusselt Number



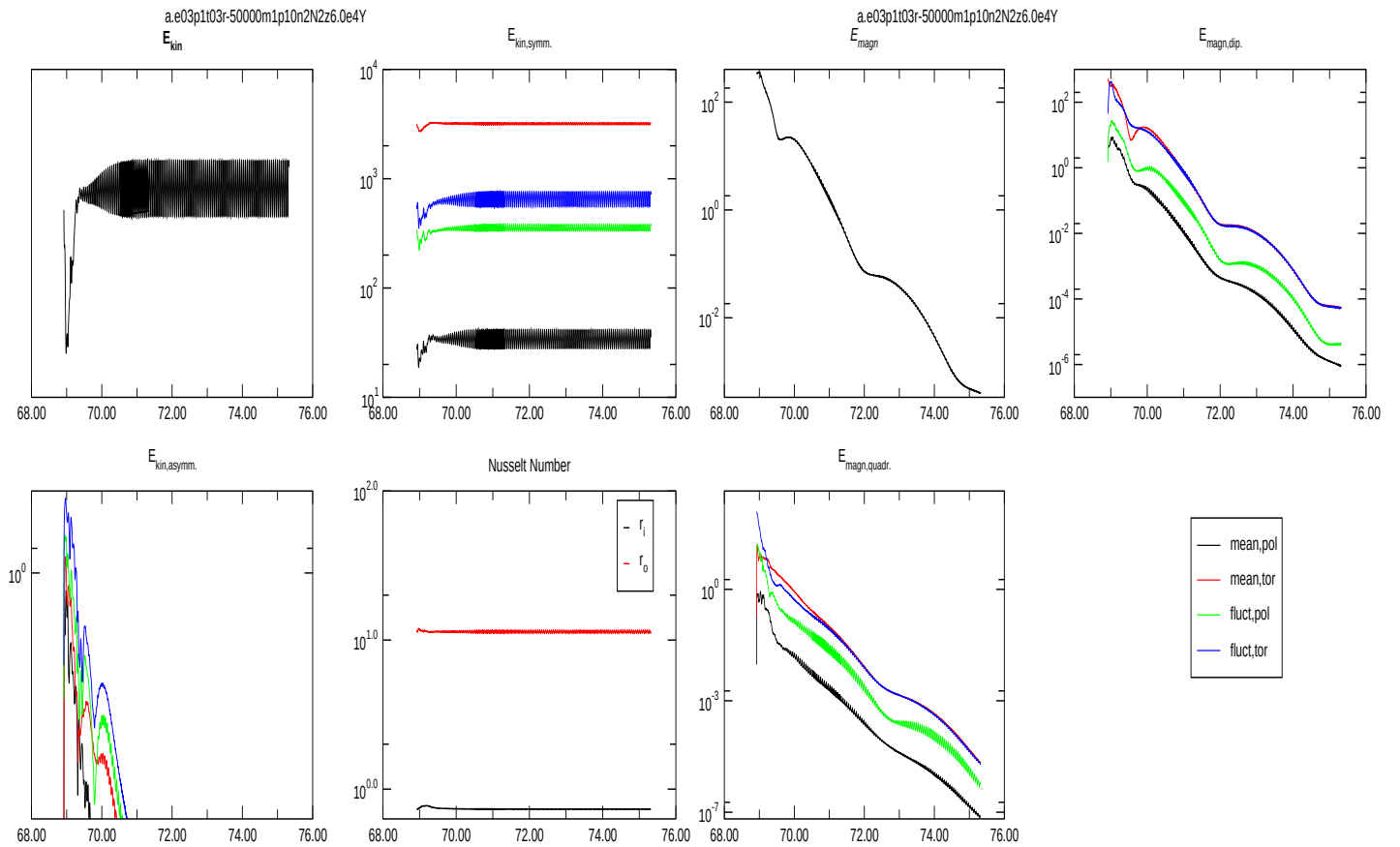
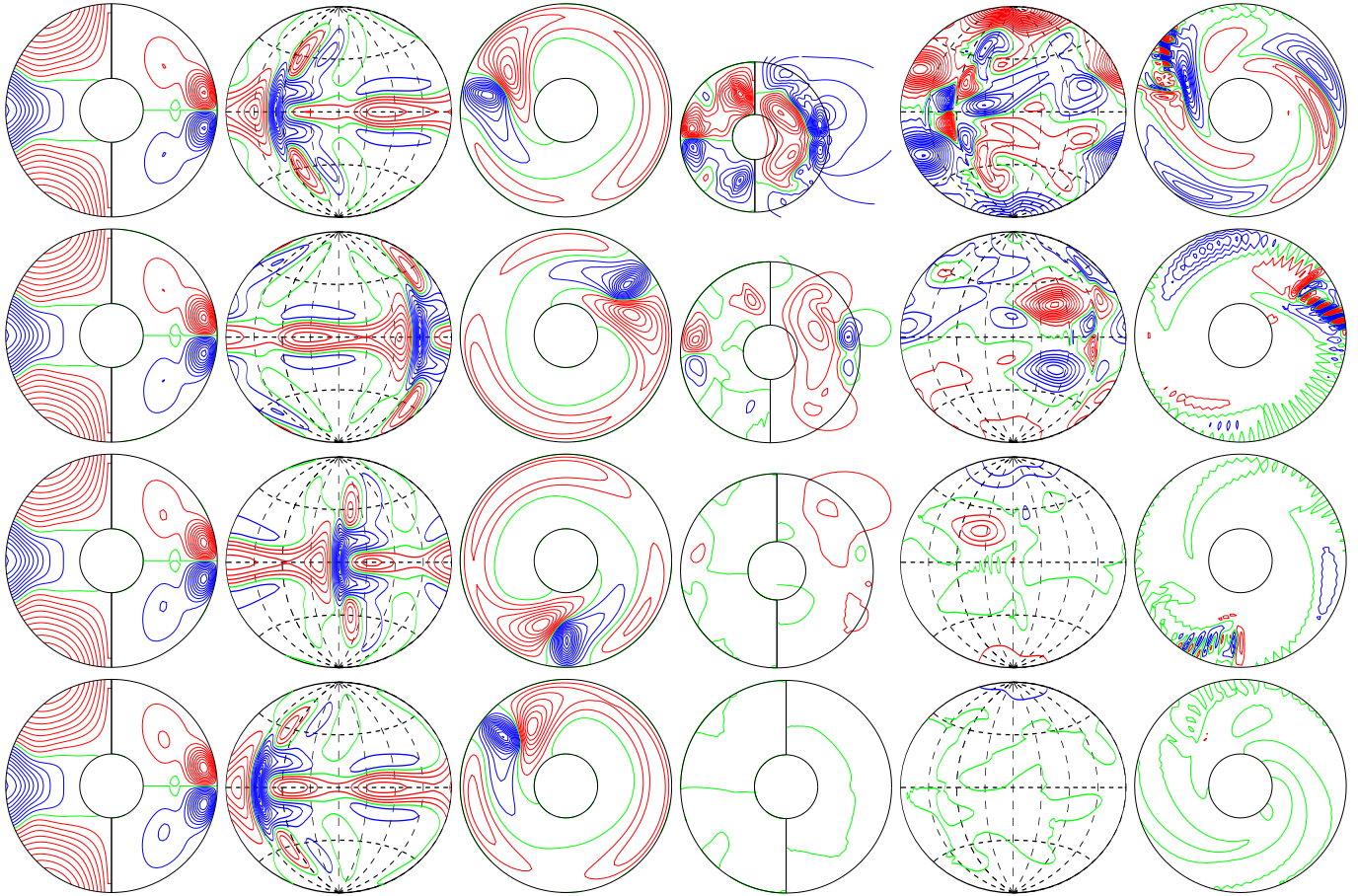
a.e03p1t03r-50000m1p10n2N2z4.6e4Ya.16  
times: 9.600012 10.40001 11.20001 12.00001

April 27, 2016



a.e03p1t03r-50000m1p10n2N2z6.0e4Y.9  
times: 72.92001 73.72001 74.52001 75.32001

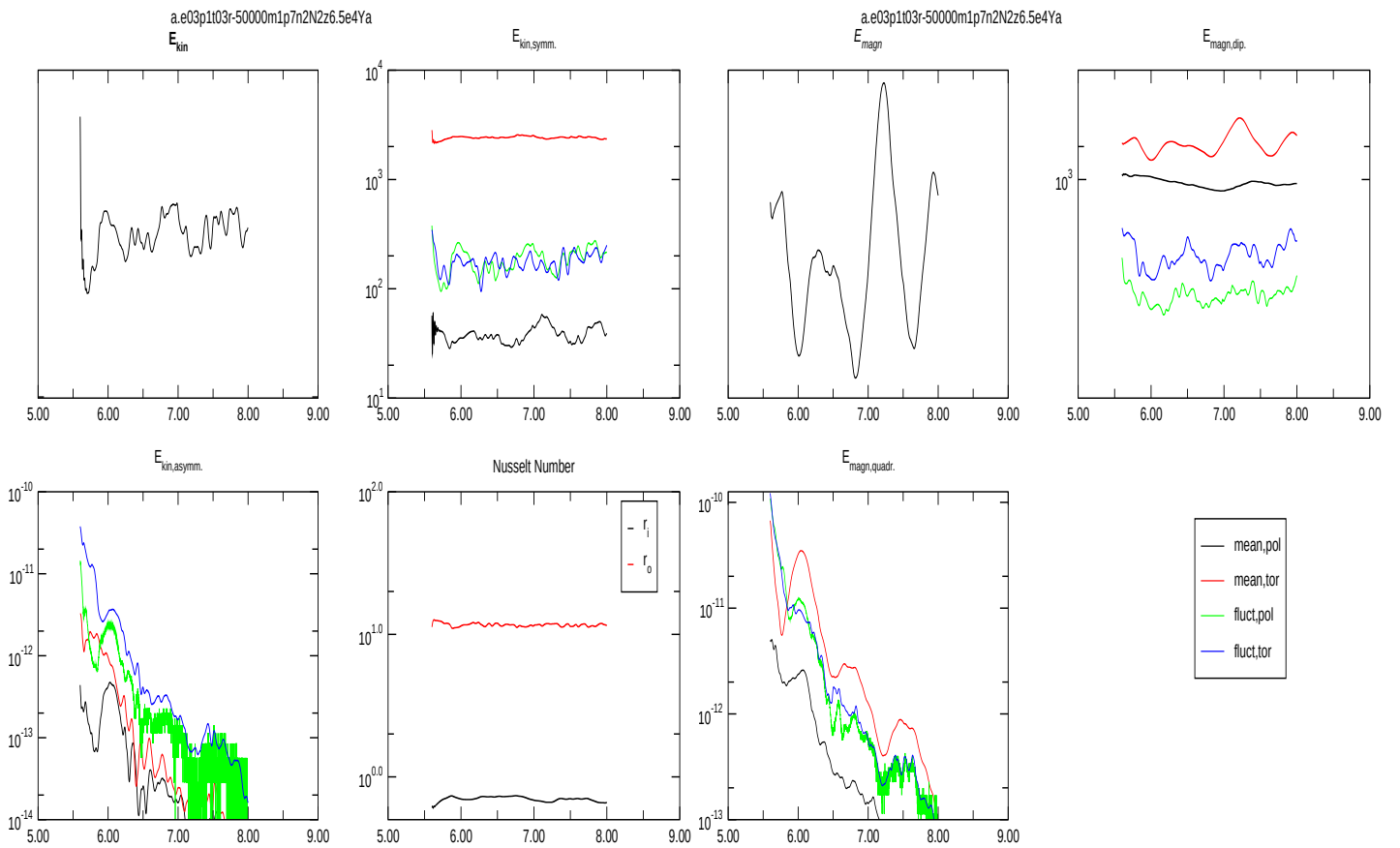
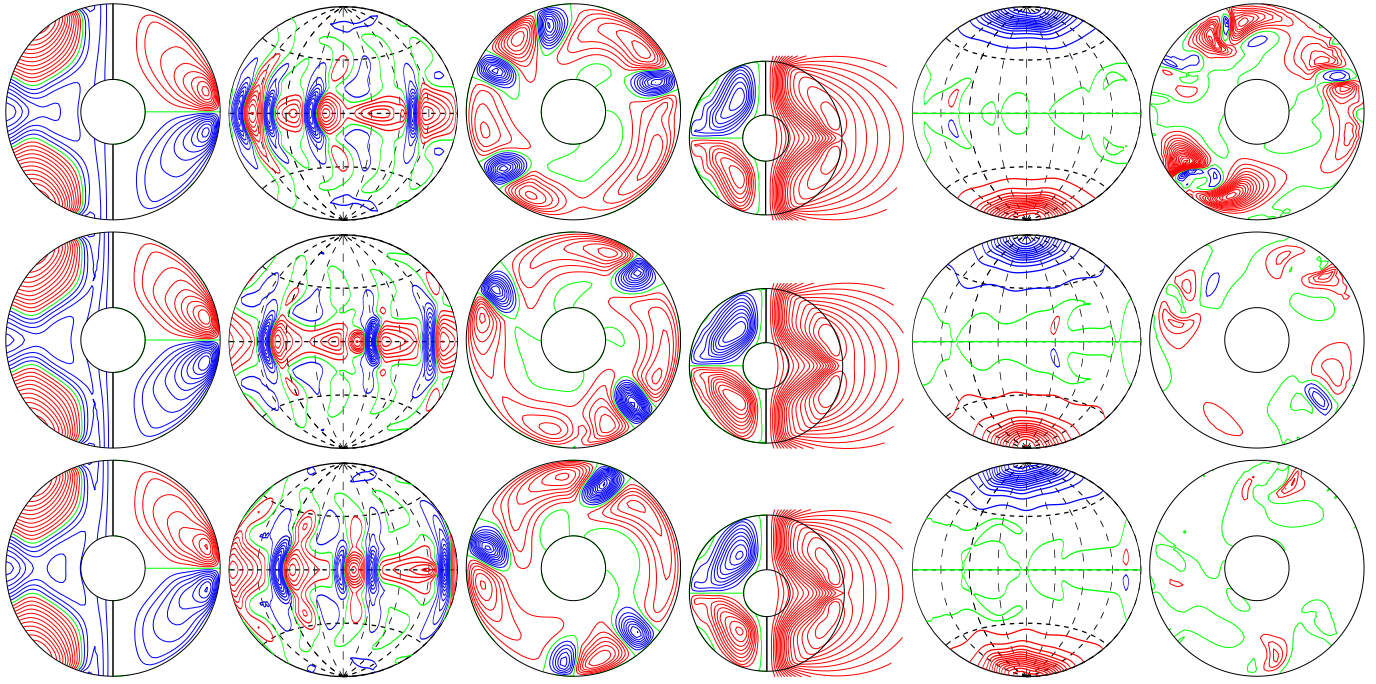
April 27, 2016





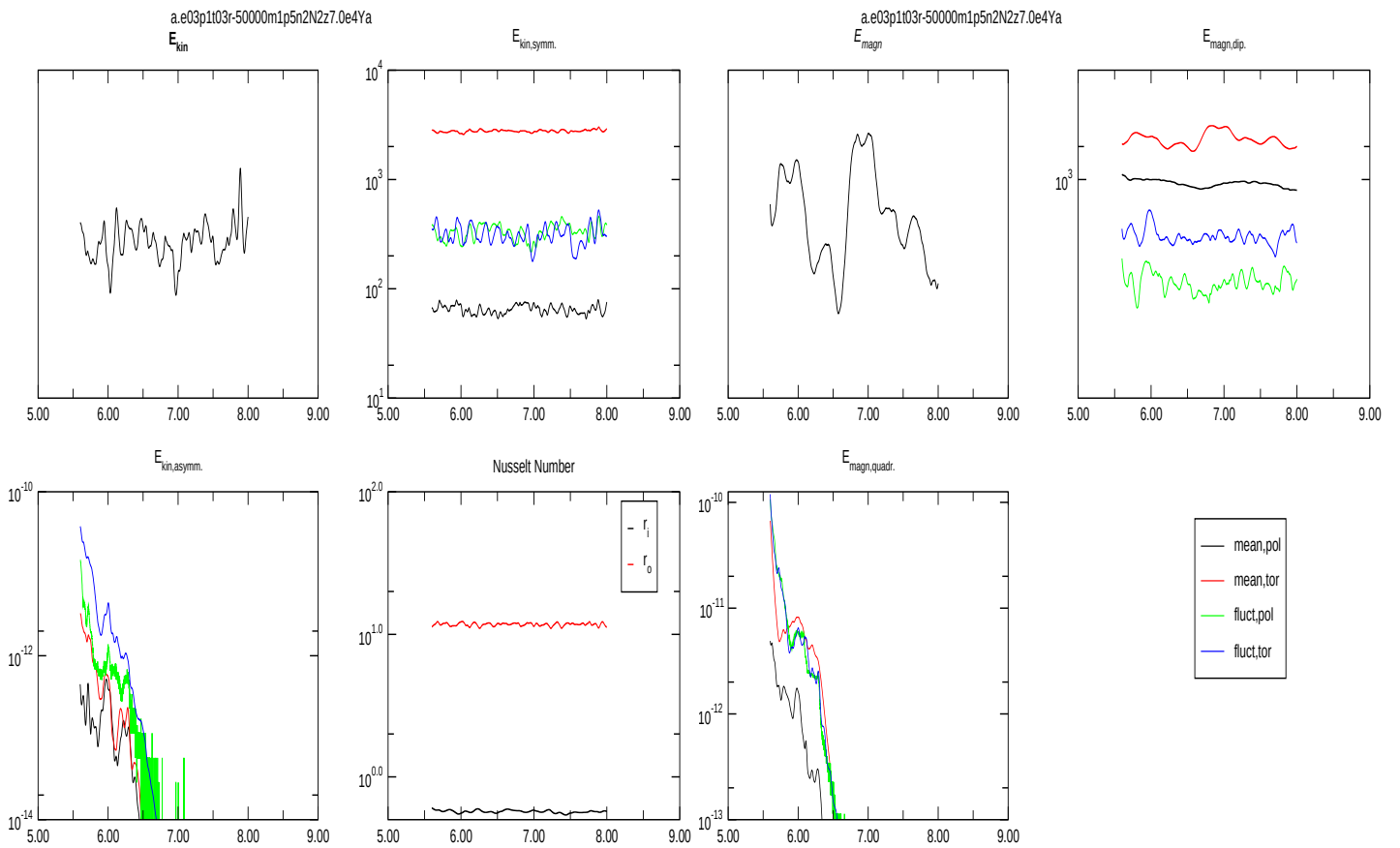
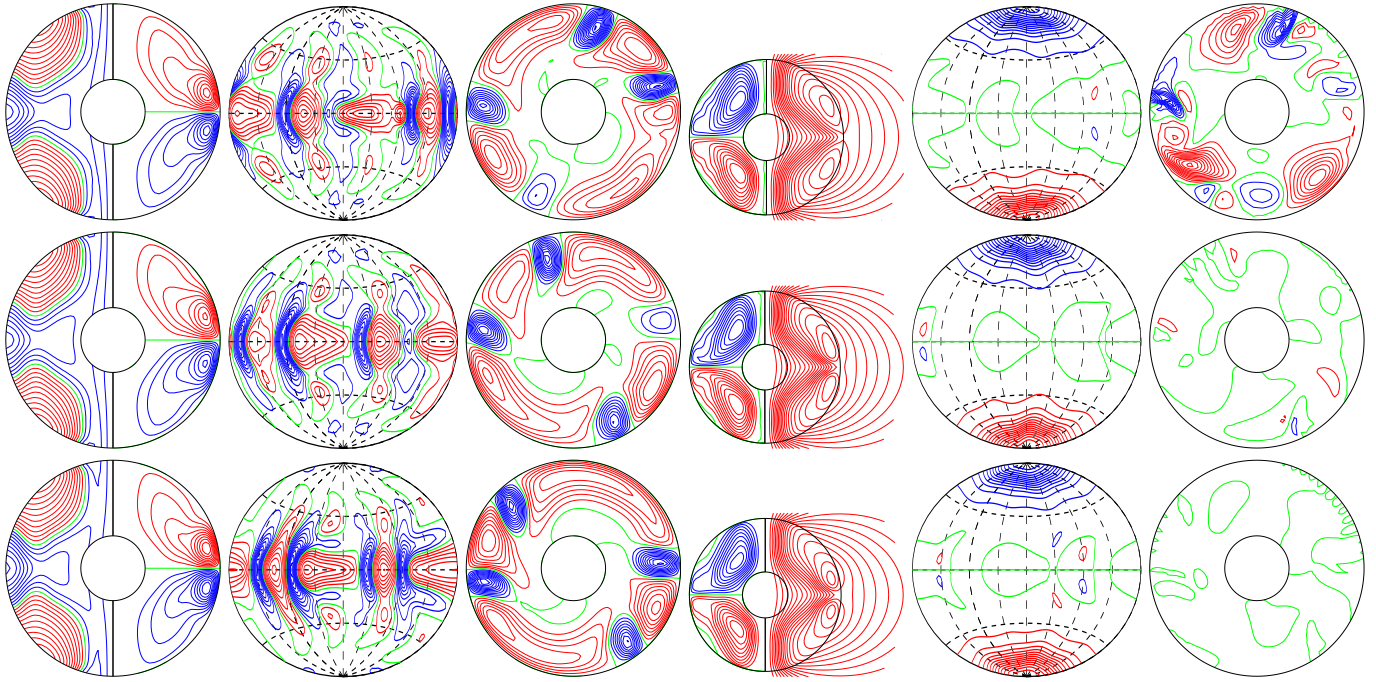
a.e03p1t03r-50000m1p7n2N2z6.5e4Ya.4  
times: 6.400008 7.200009 8.00001

April 27, 2016



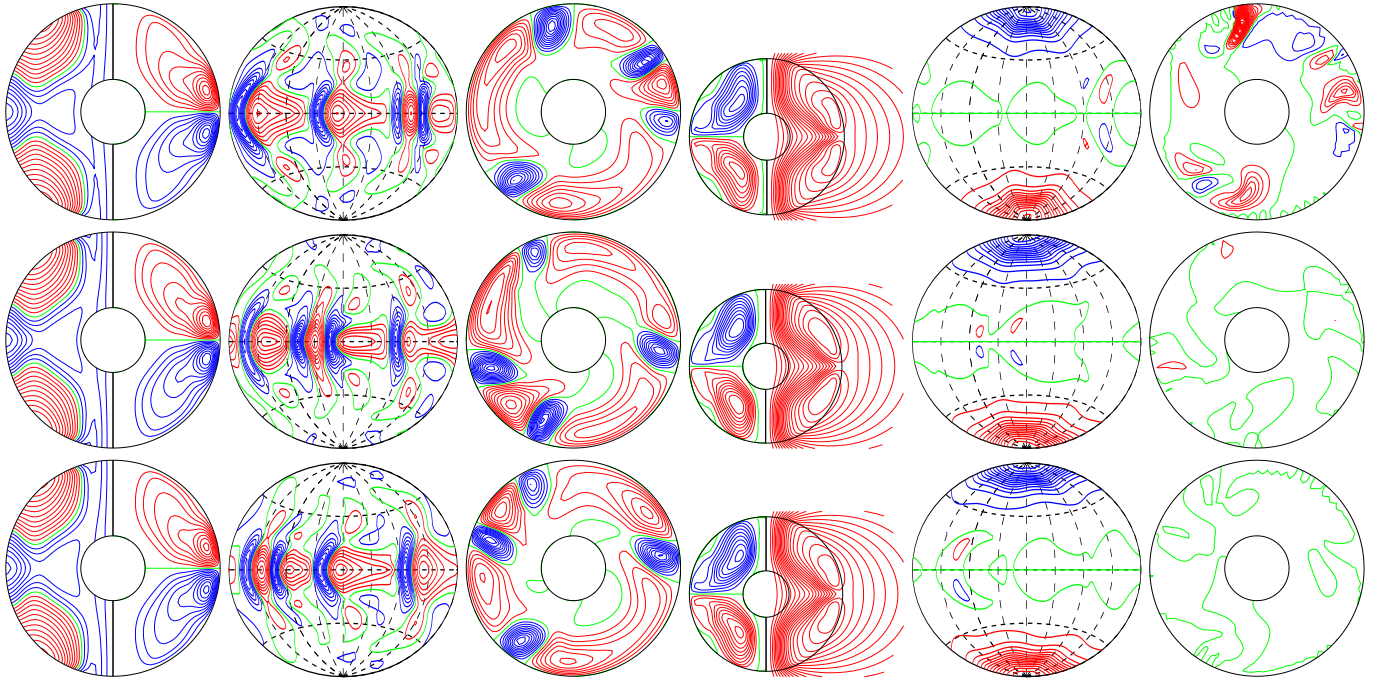
a.e03p1t03r-50000m1p5n2N2z7.0e4Ya.4  
times: 6.400008 7.200009 8.00001

April 27, 2016

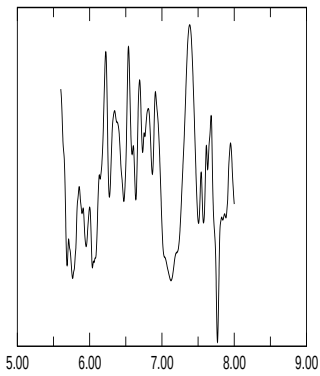


a.e03p1t03r-50000m1p6n2N2z7.0e4Ya.4  
times: 6.400008 7.200009 8.00001

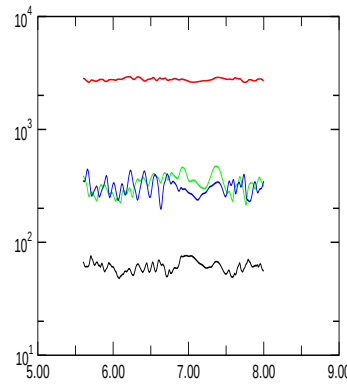
April 27, 2016



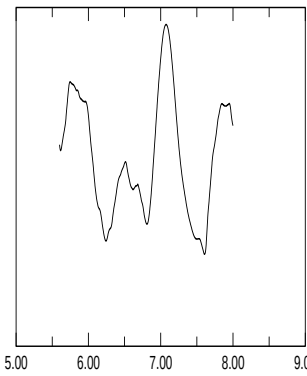
a.e03p1t03r-50000m1p6n2N2z7.0e4Ya  
 $E_{kin}$



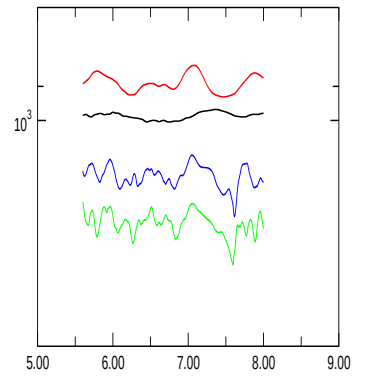
$E_{kin,symm.}$



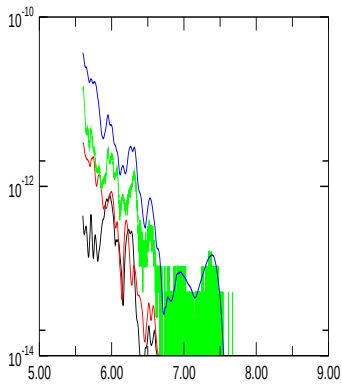
a.e03p1t03r-50000m1p6n2N2z7.0e4Ya  
 $E_{magn}$



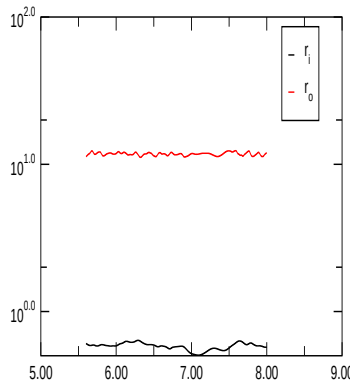
$E_{magn,dip.}$



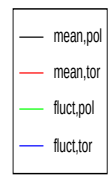
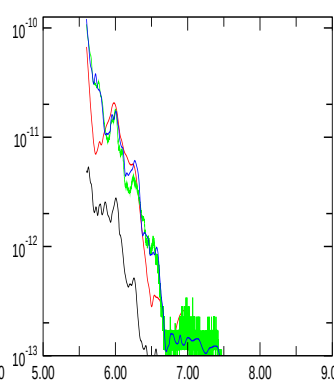
$E_{kin,asymm.}$



Nusselt Number

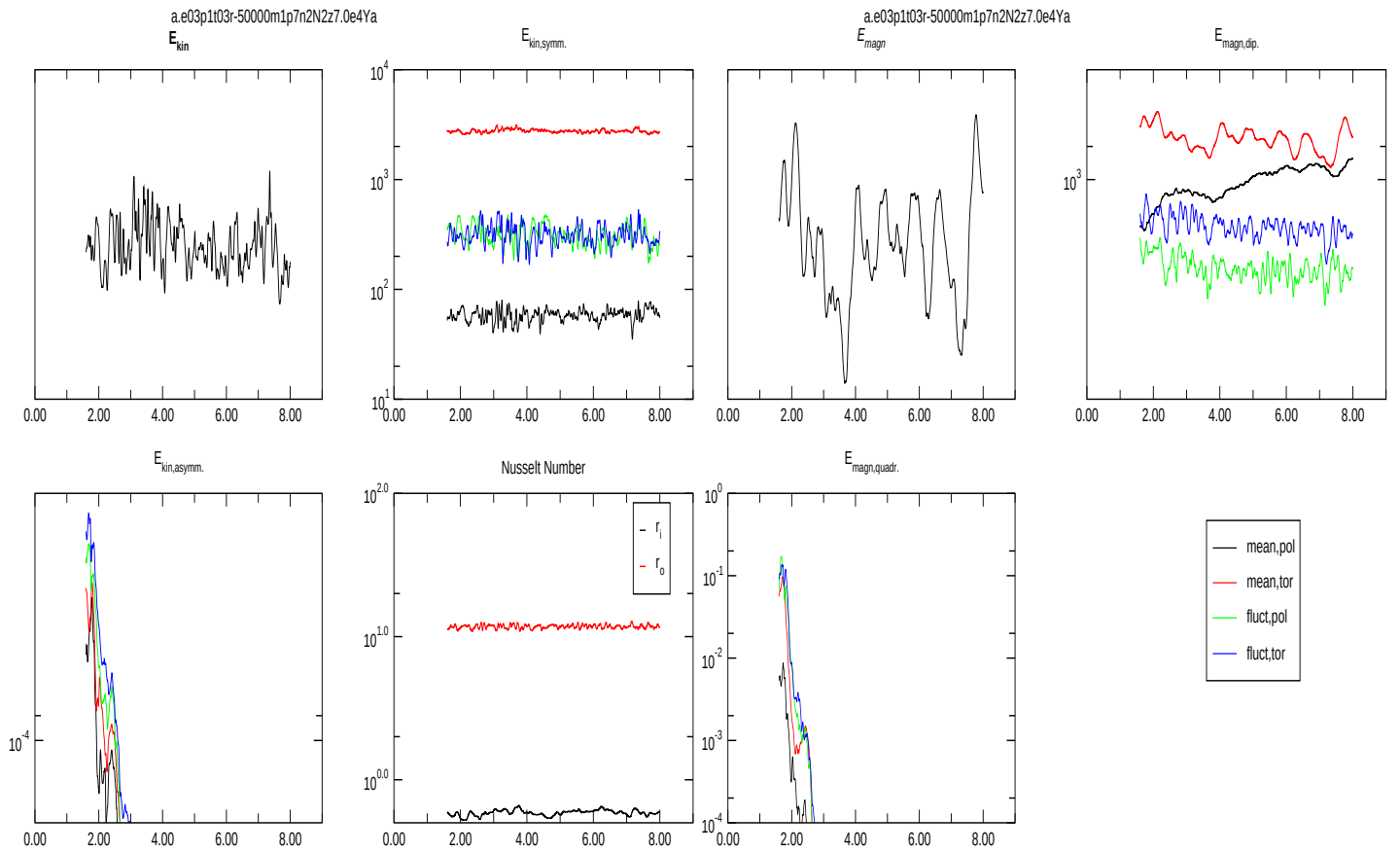
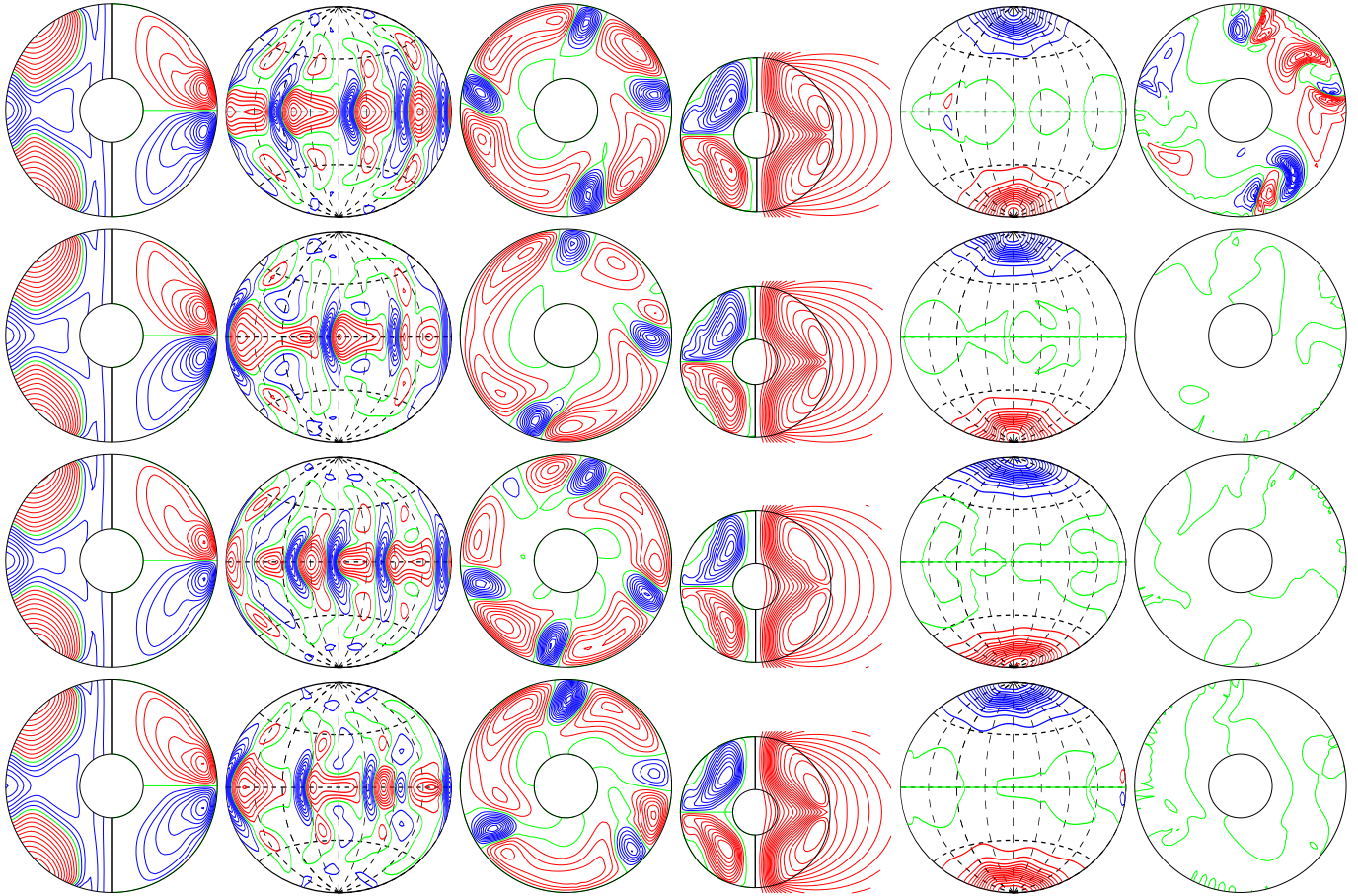


$E_{magn,quadr.}$



a.e03p1t03r-50000m1p7n2N2z7.0e4Ya.9  
times: 5.600007 6.400008 7.200009 8.00001

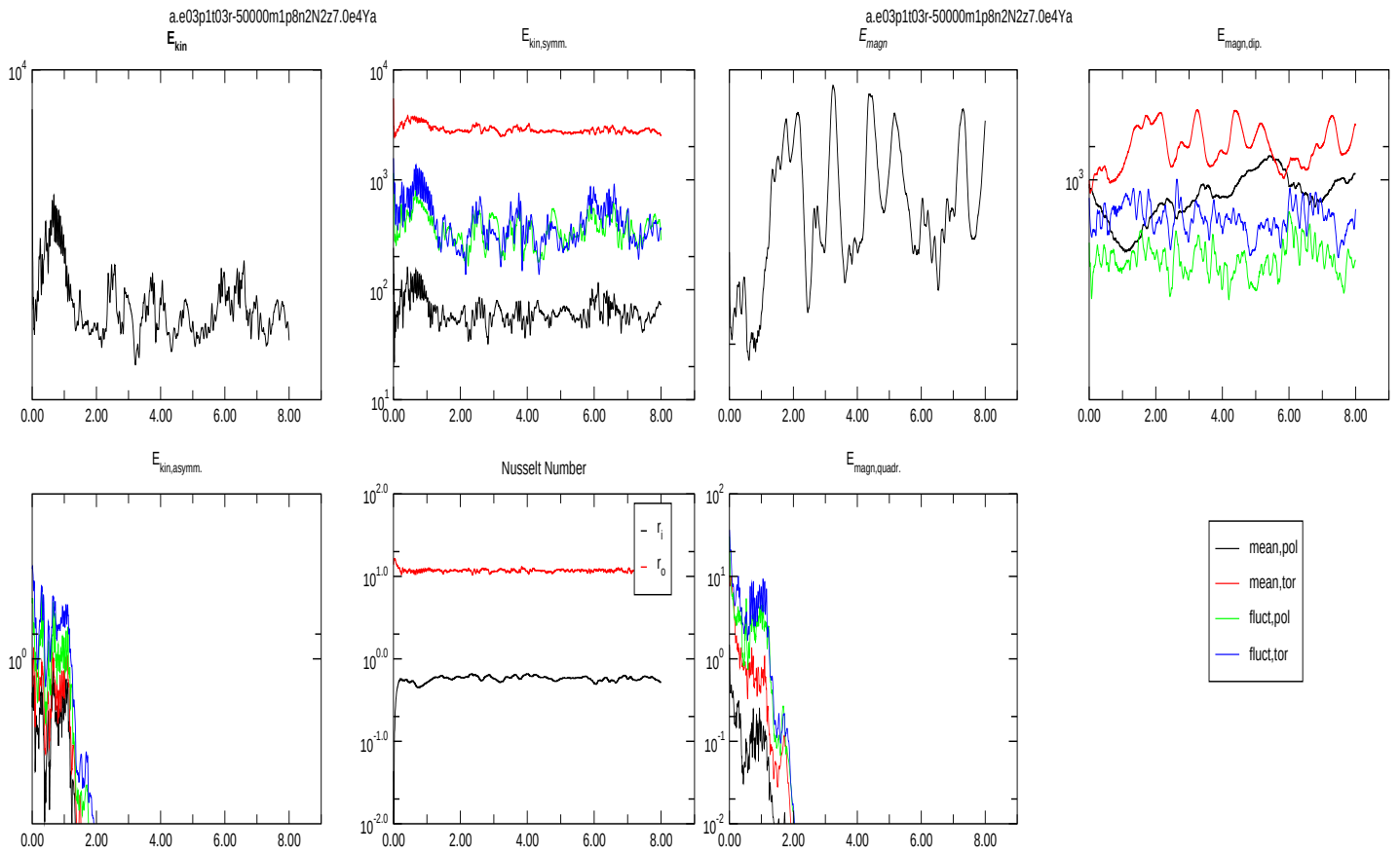
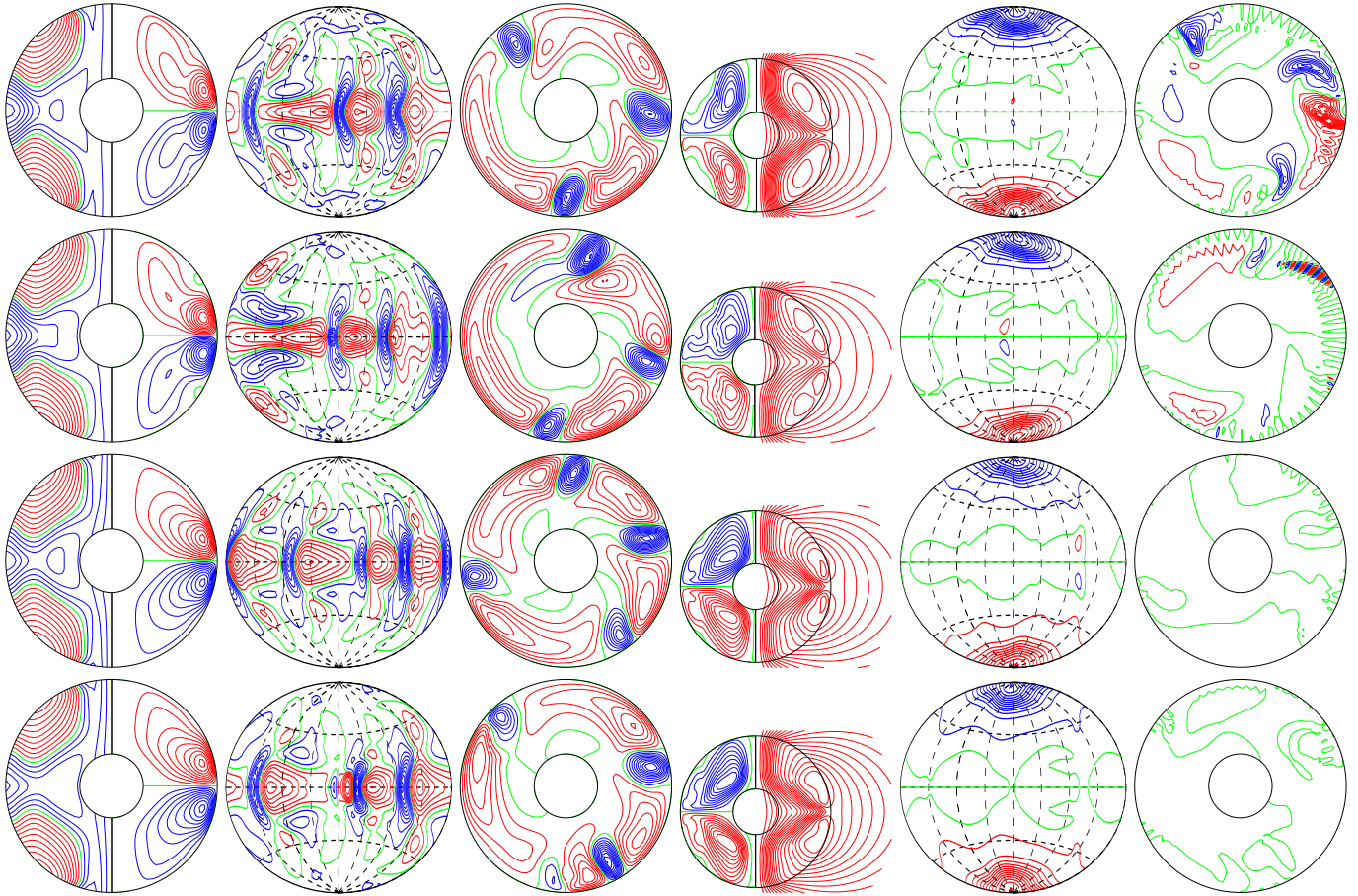
April 27, 2016





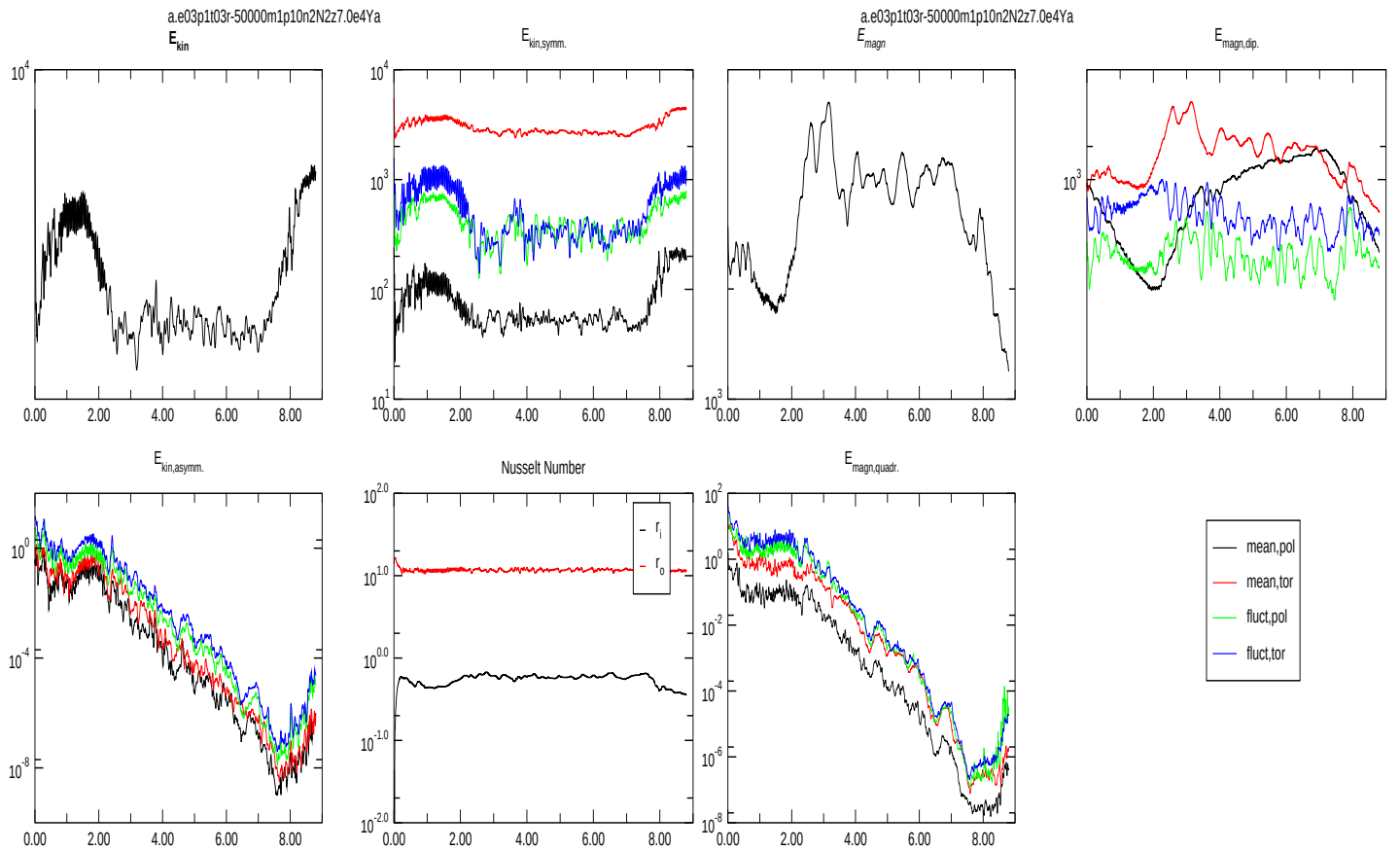
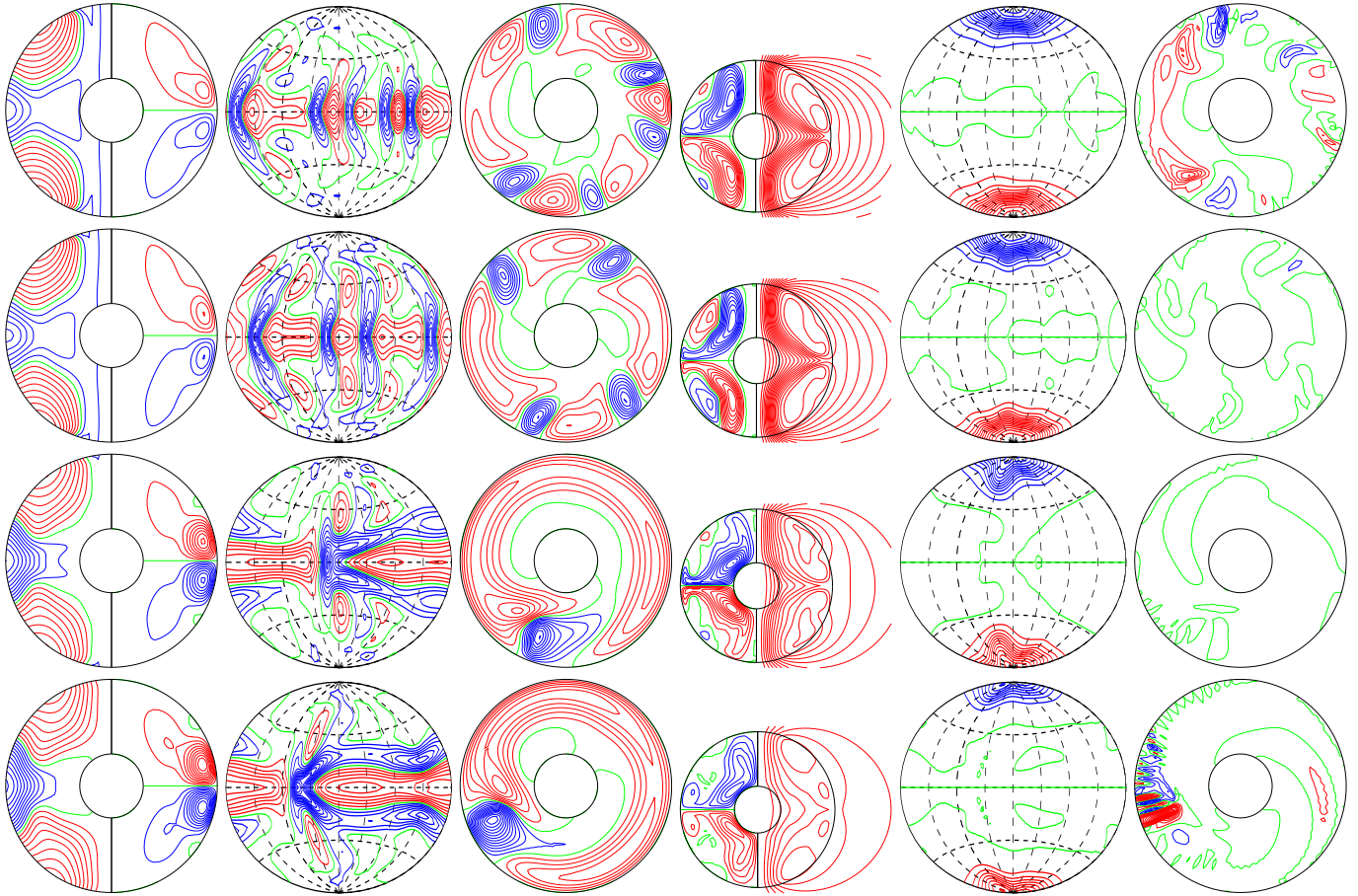
a.e03p1t03r-50000m1p8n2N2z7.0e4Ya.11  
times: 5.600007 6.400008 7.200009 8.00001

April 27, 2016



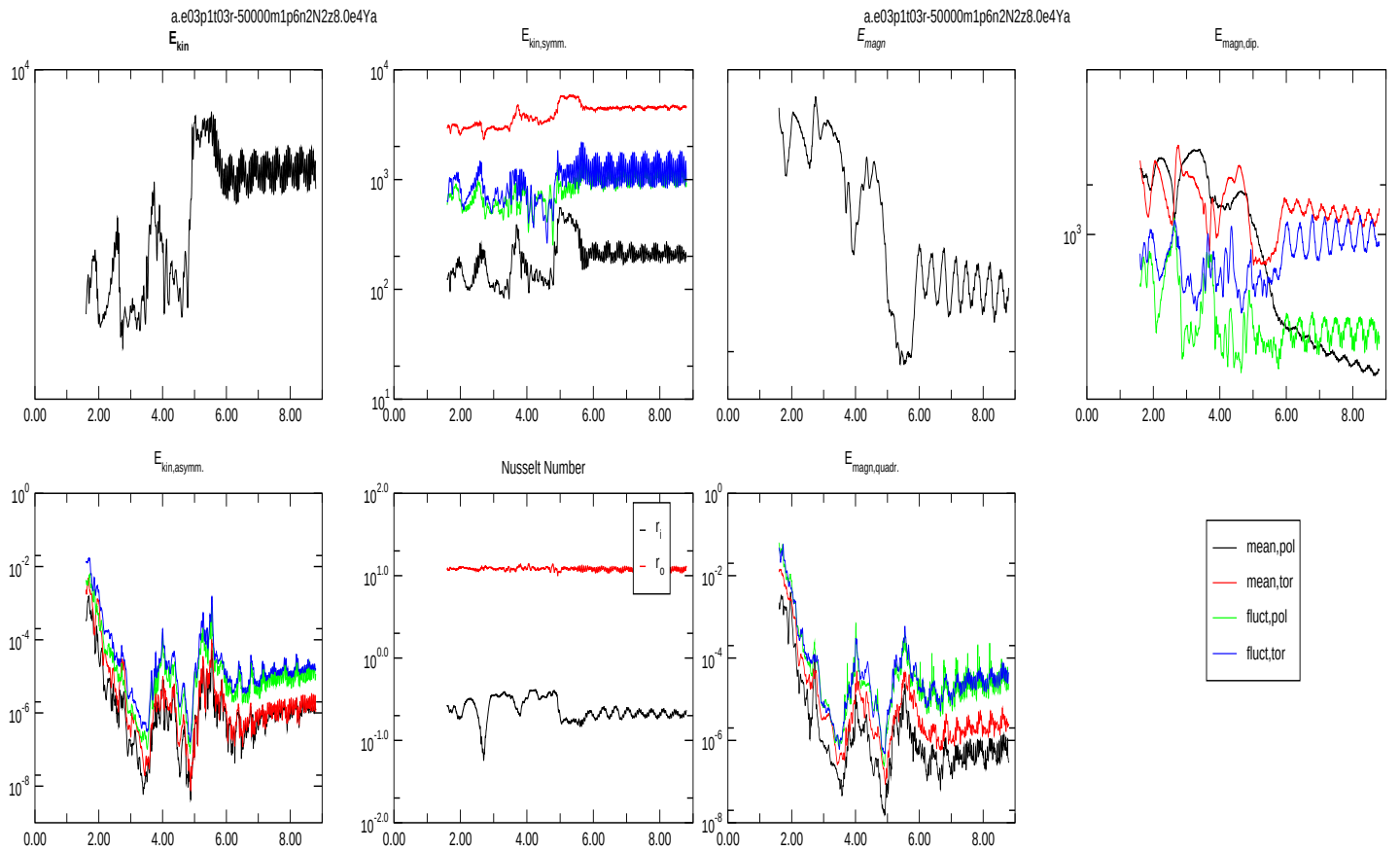
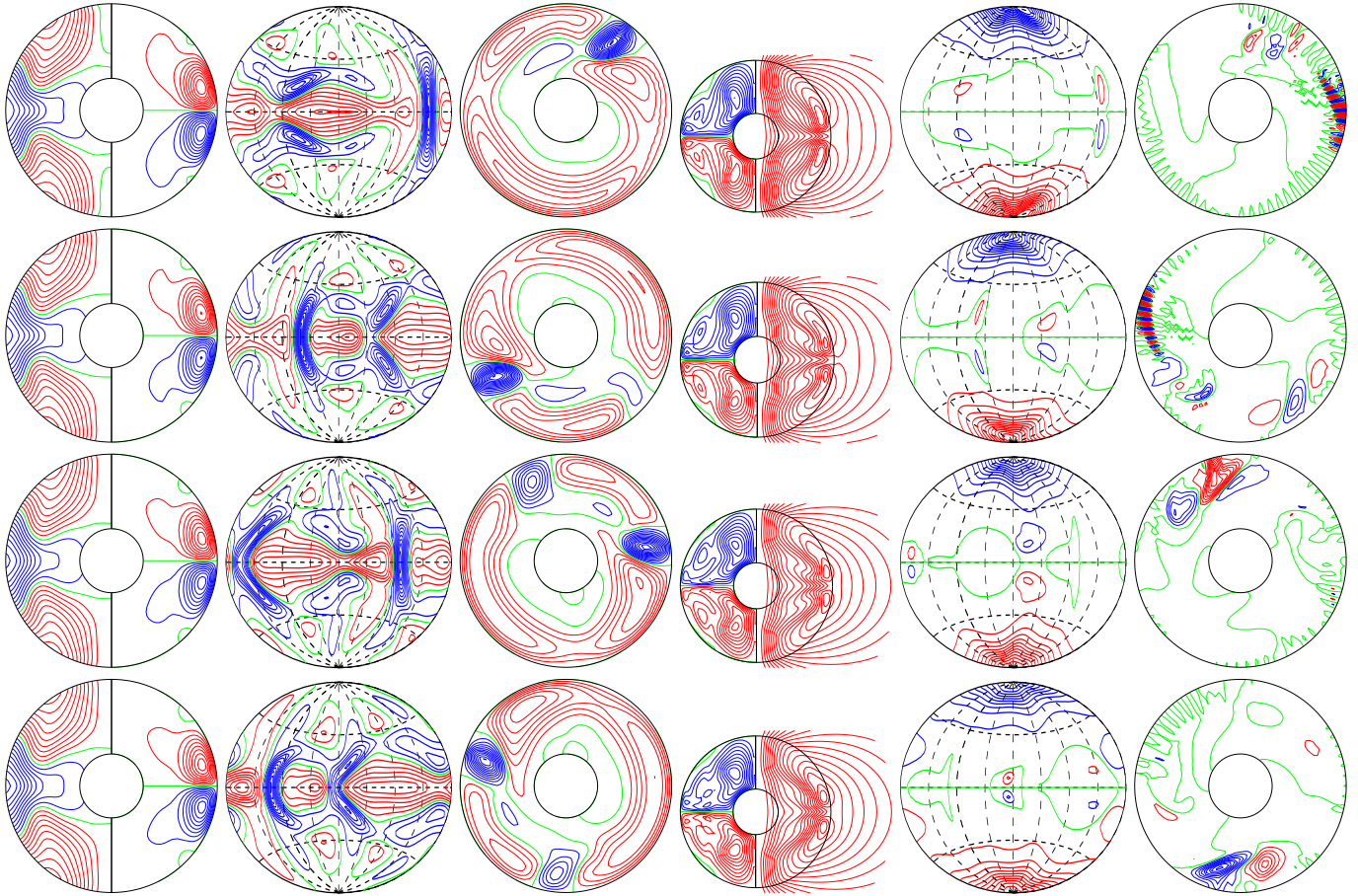
a.e03p1t03r-50000m1p10n2N2z7.0e4Ya.12  
times: 6.400008 7.200009 8.00001 8.800011

April 27, 2016



a.e03p1t03r-50000m1p6n2N2z8.0e4Ya.10  
times: 6.400008 7.200009 8.00001 8.800011

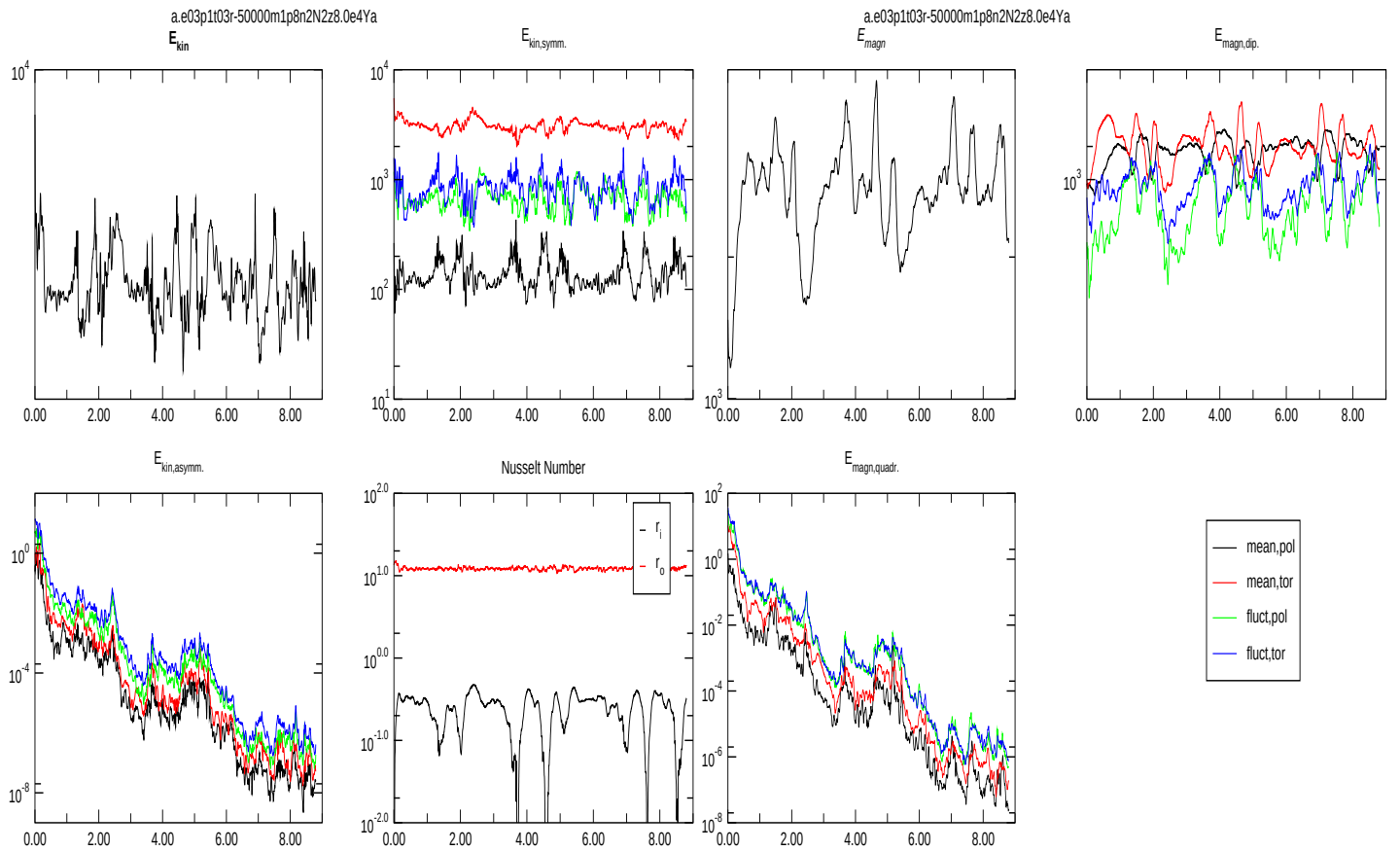
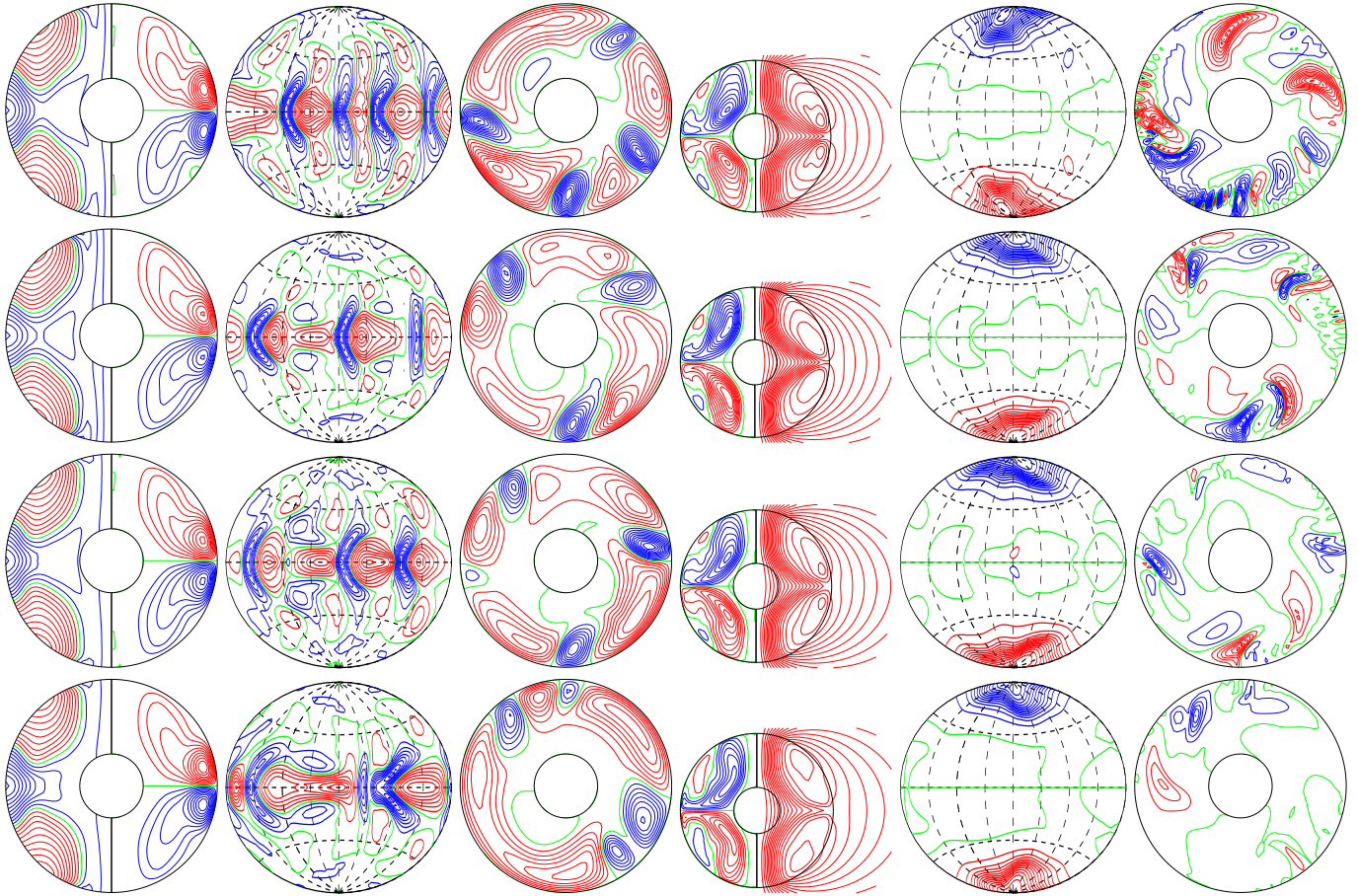
April 27, 2016





a.e03p1t03r-50000m1p8n2N2z8.0e4Ya.12  
times: 6.400008 7.200009 8.00001 8.800011

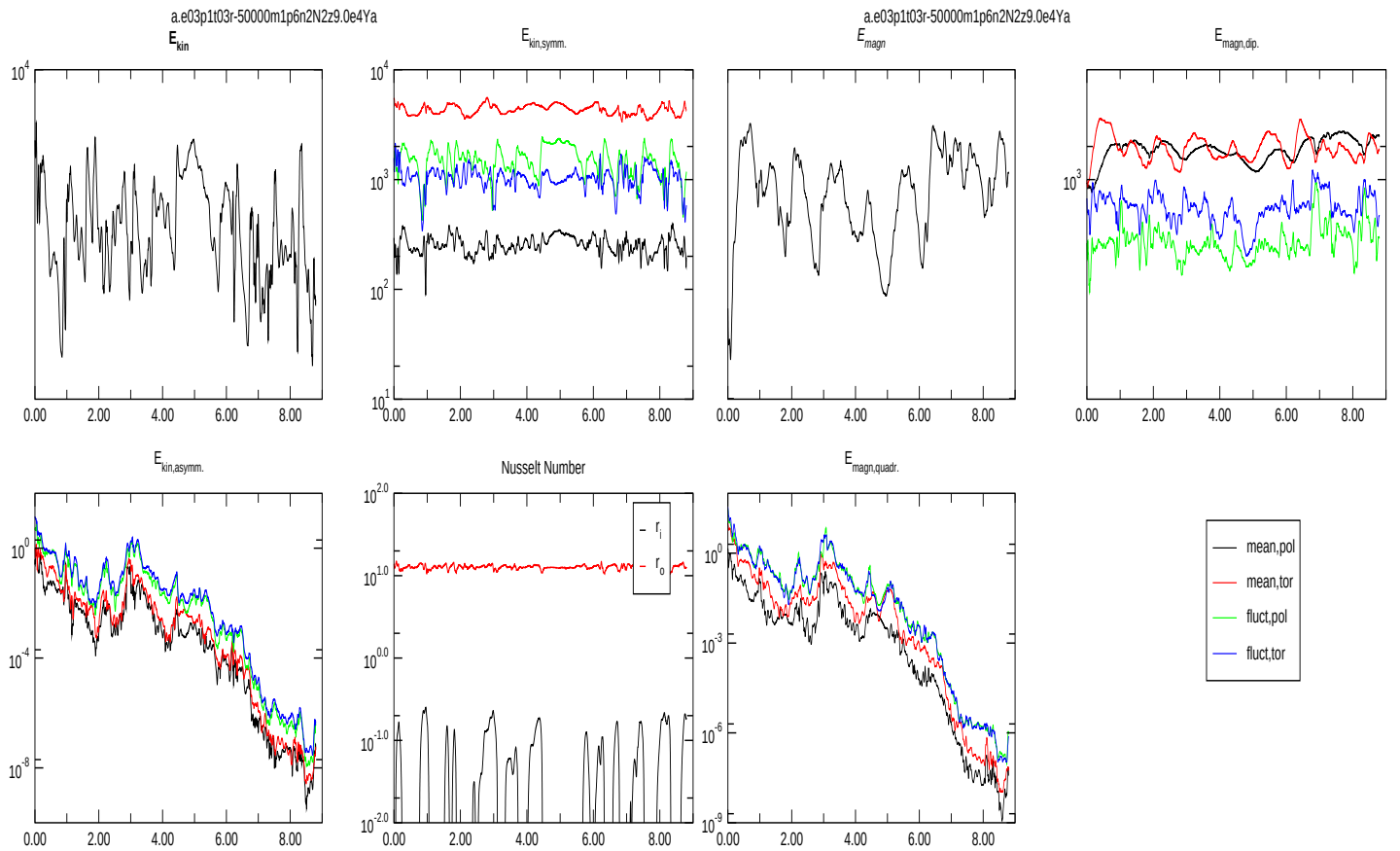
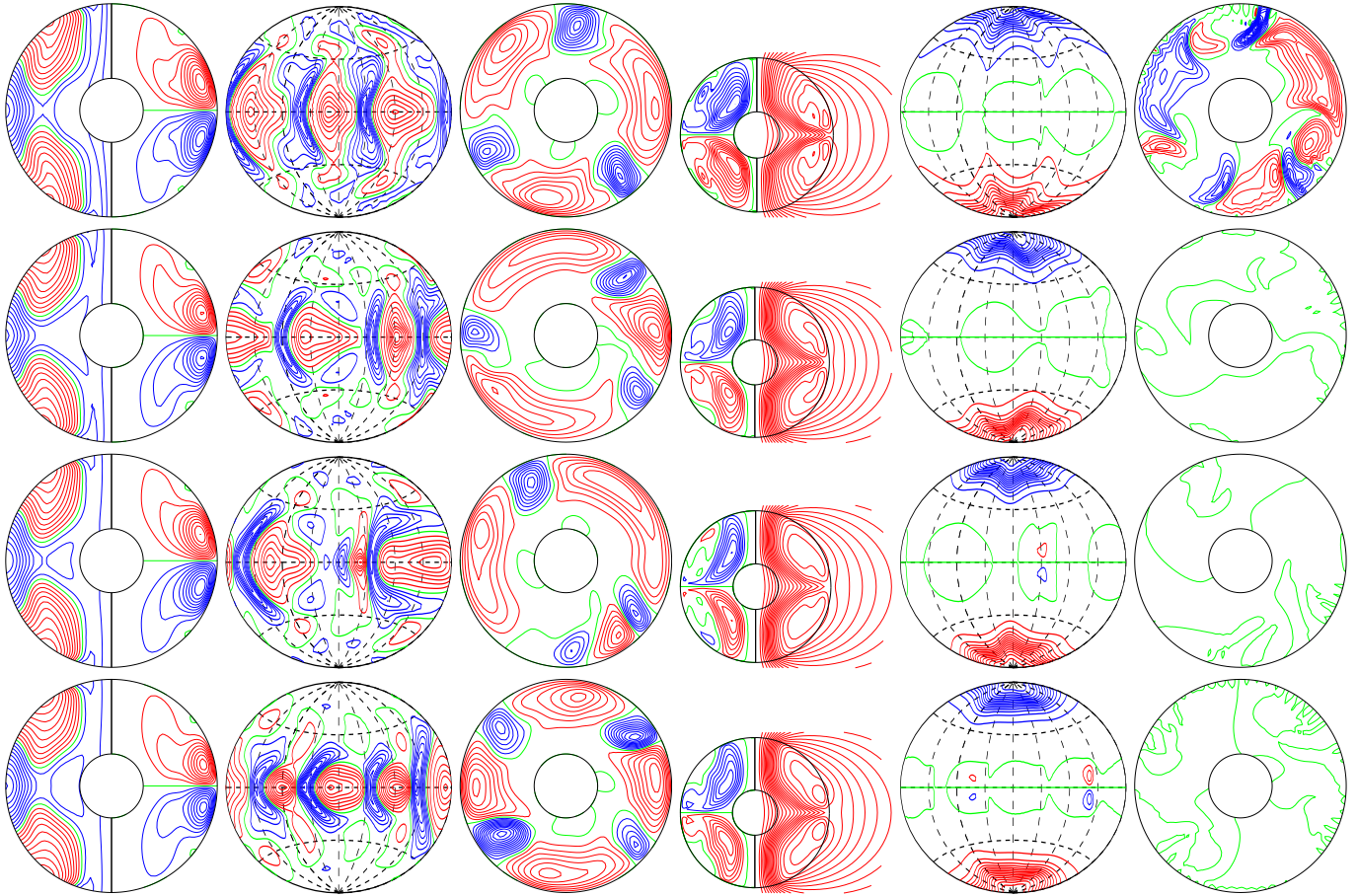
April 27, 2016





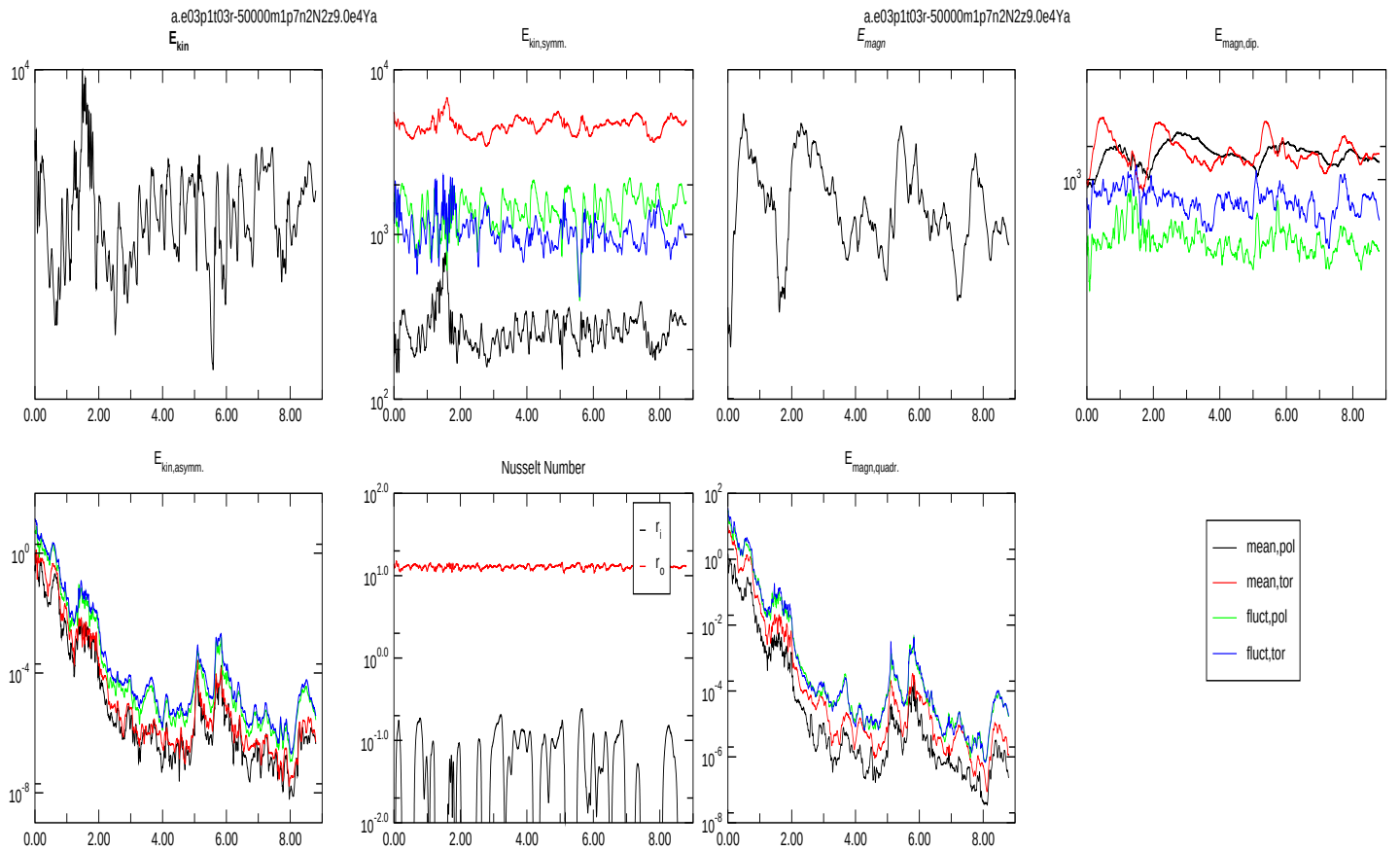
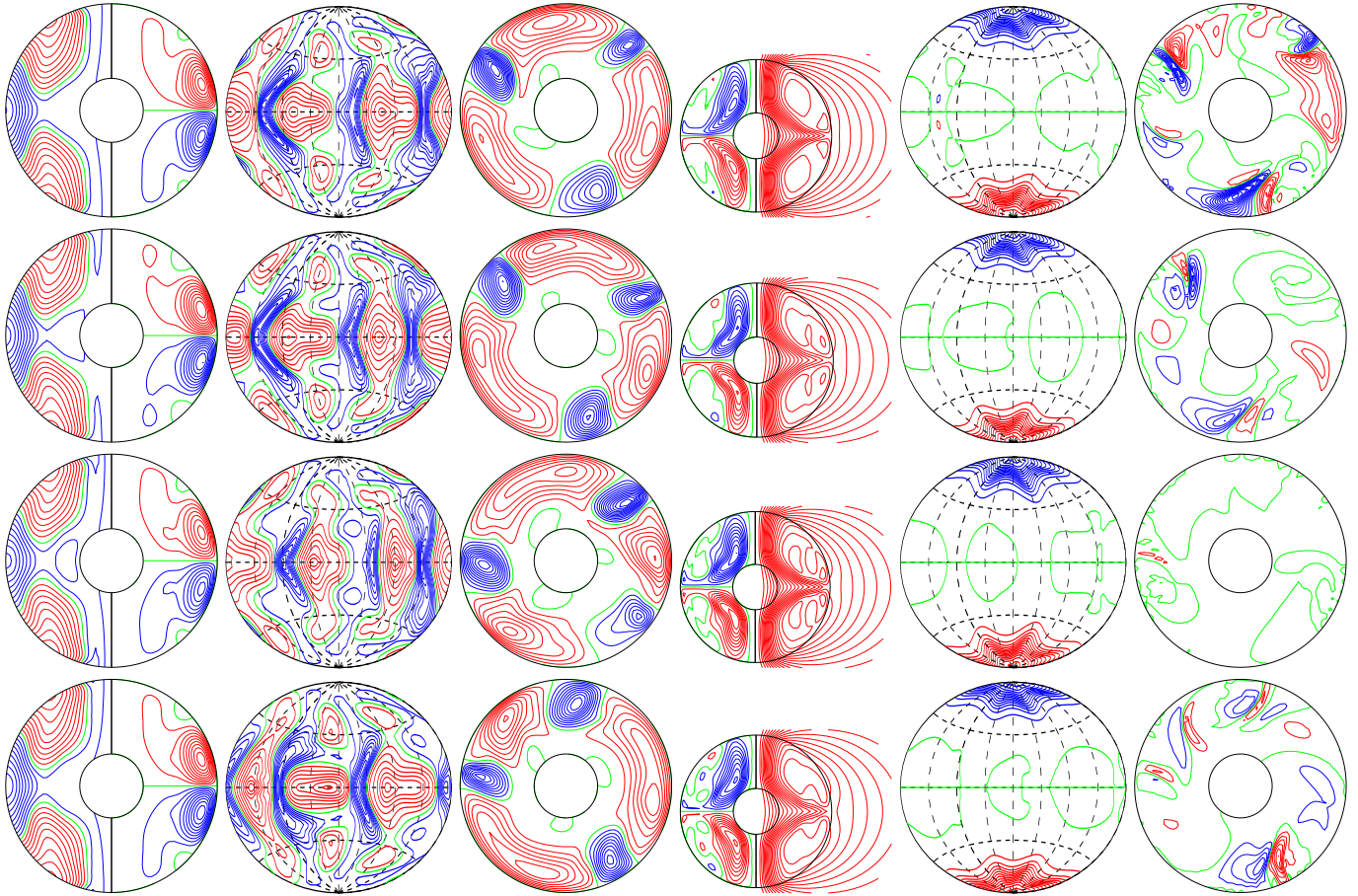
a.e03p1t03r-50000m1p6n2N2z9.0e4Ya.12  
times: 6.400008 7.200009 8.00001 8.800011

April 27, 2016



a.e03p1t03r-50000m1p7n2N2z9.0e4Ya.12  
times: 6.400008 7.200009 8.00001 8.800011

April 27, 2016



a.e03p1t03r-50000m1p8n2N2z9.0e4Ya.16  
times: 9.600012 10.40001 11.20001 12.00001

April 27, 2016

