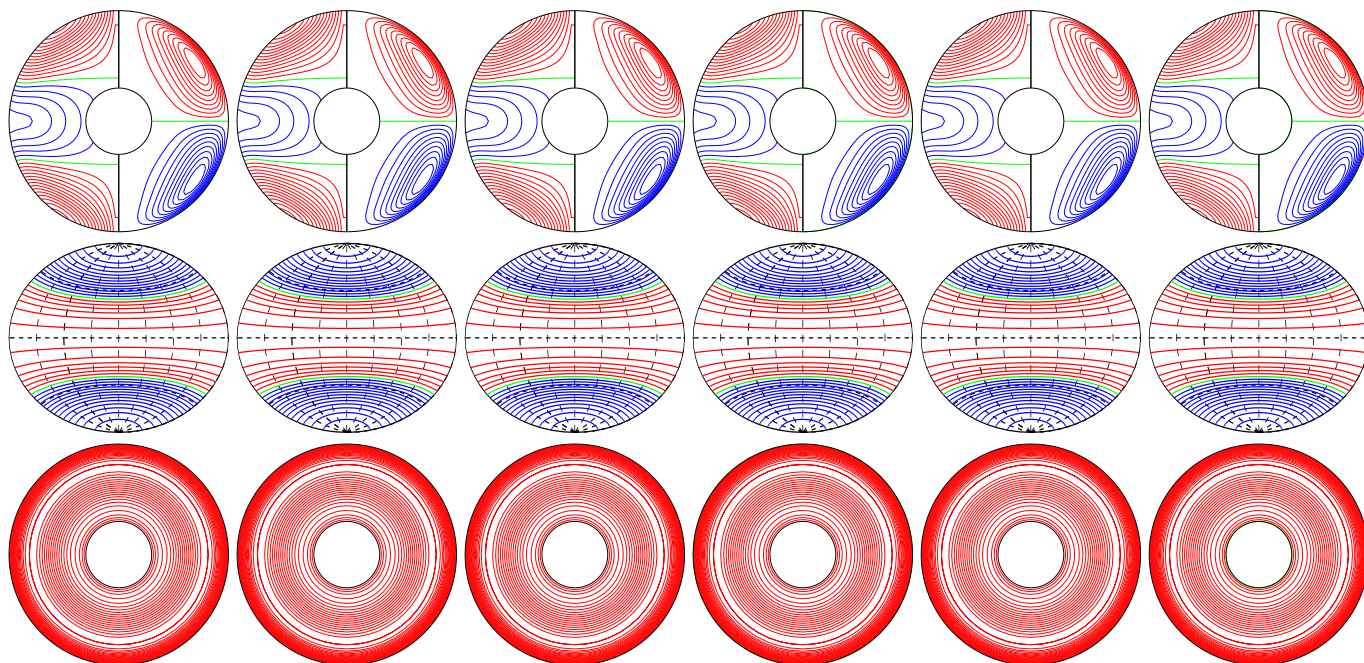
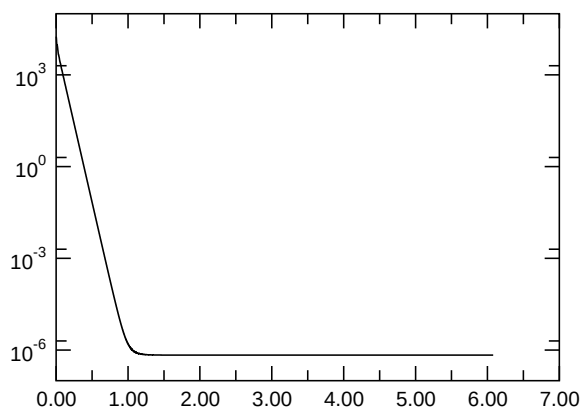


a.e03p1t03r-50000m16n2N2z1.0e0Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

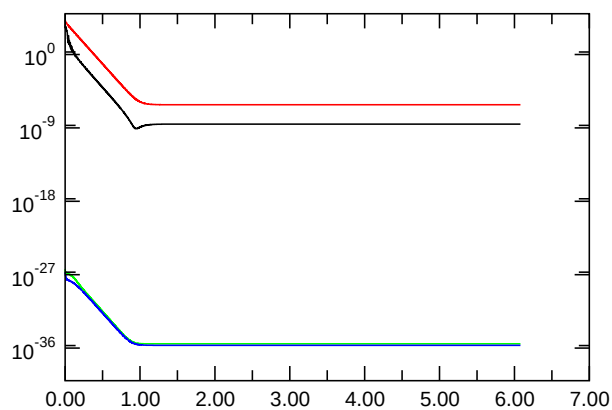
April 21, 2016



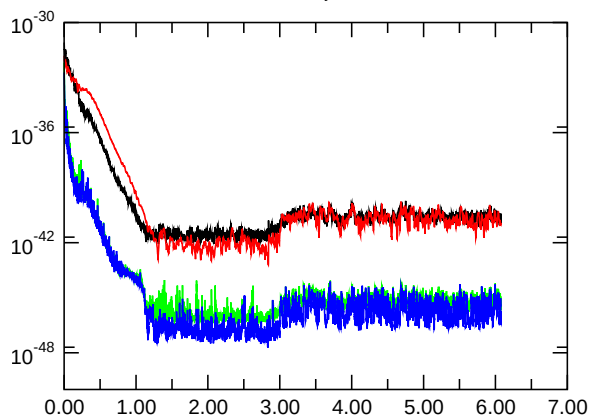
a.e03p1t03r-50000m16n2N2z1.0e0Y
 E_{kin}



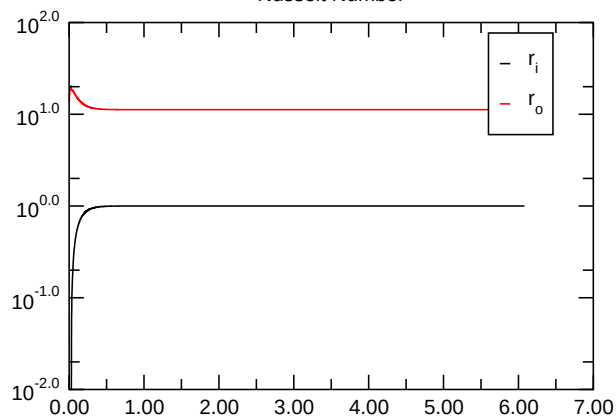
$E_{\text{kin,symm.}}$



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

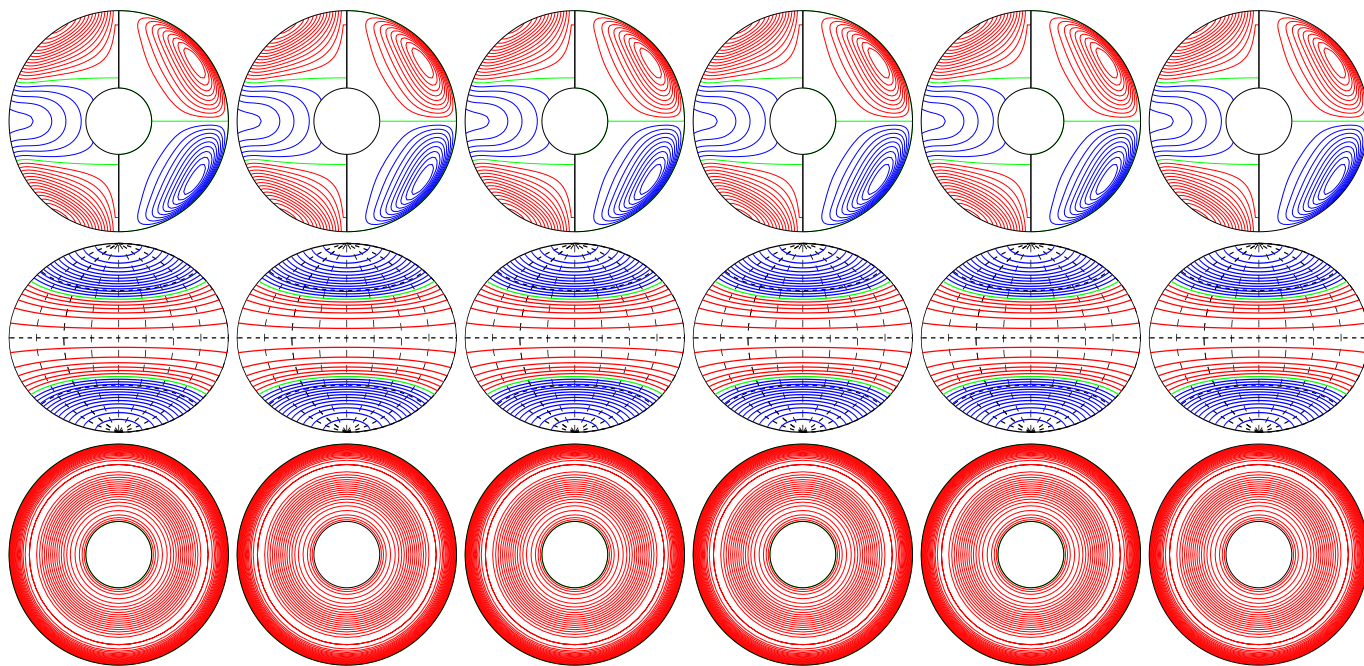


Nusselt Number

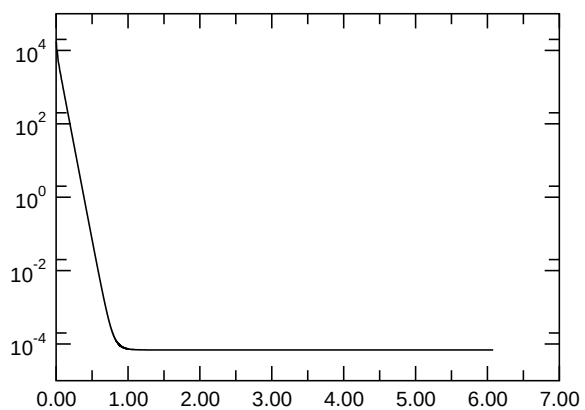


a.e03p1t03r-50000m16n2N2z1.0e1Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

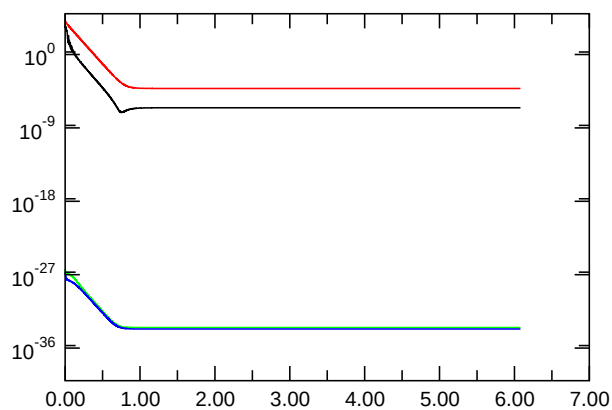
April 21, 2016



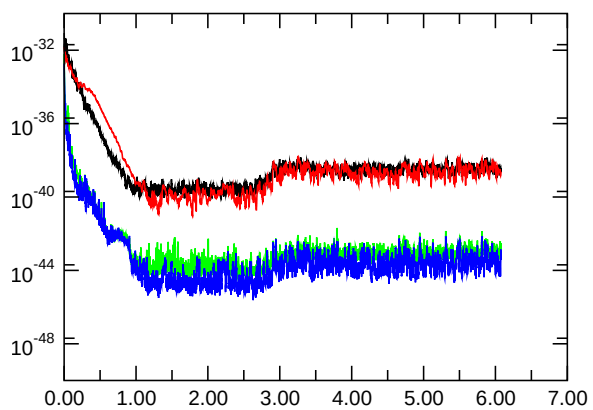
a.e03p1t03r-50000m16n2N2z1.0e1Y
 E_{kin}



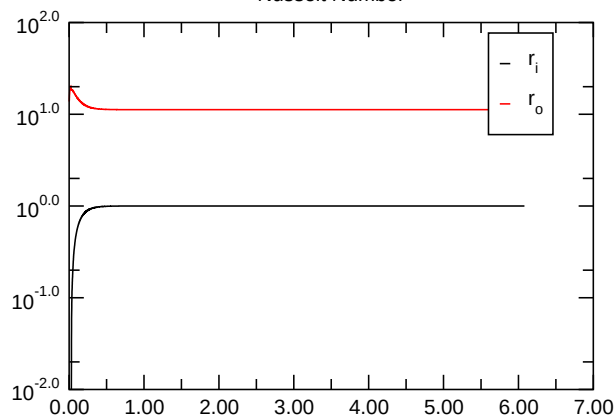
$E_{\text{kin,symm.}}$



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

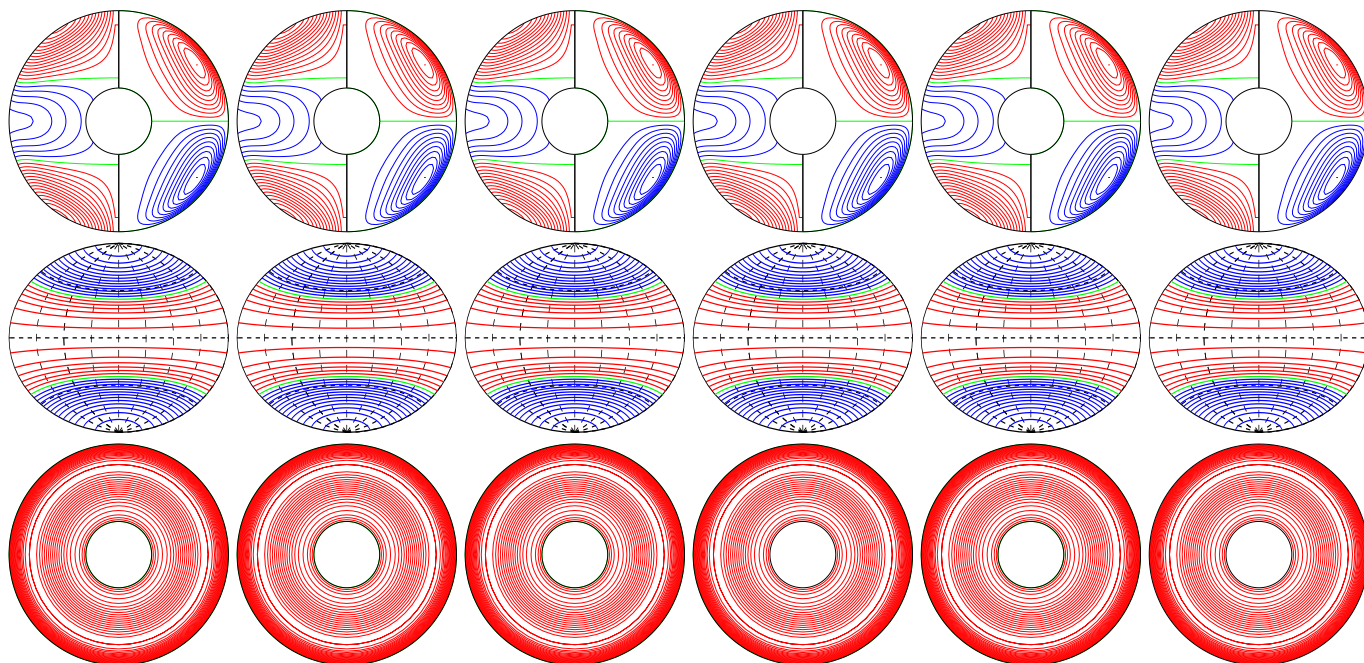


Nusselt Number

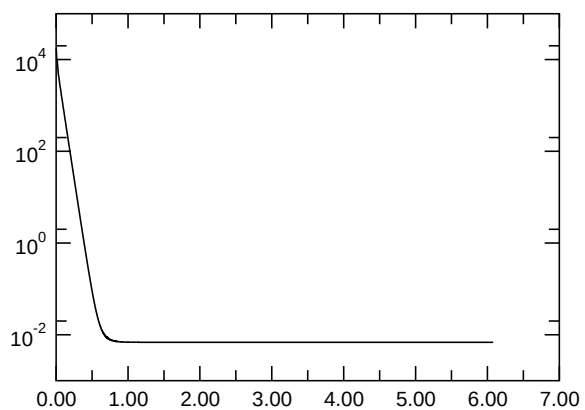


a.e03p1t03r-50000m16n2N2z1.0e2Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

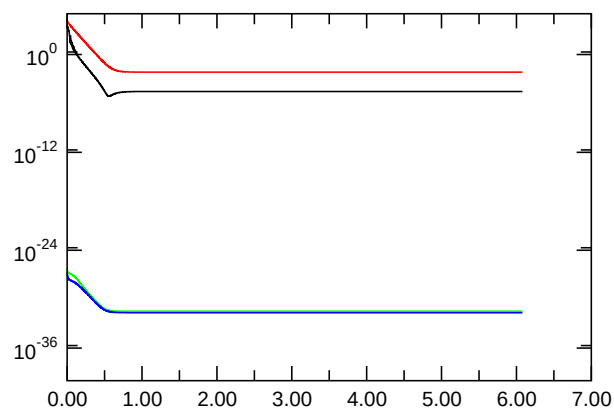
April 21, 2016



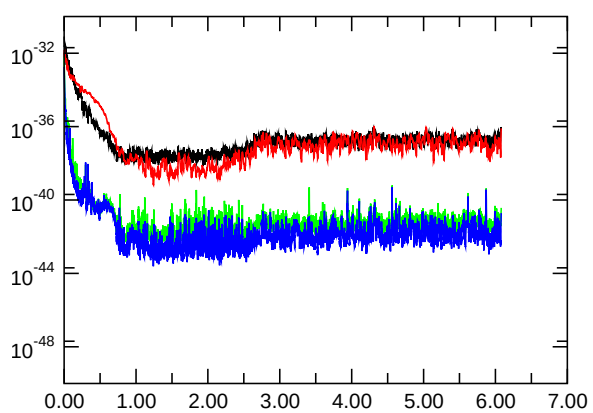
a.e03p1t03r-50000m16n2N2z1.0e2Y
 E_{kin}



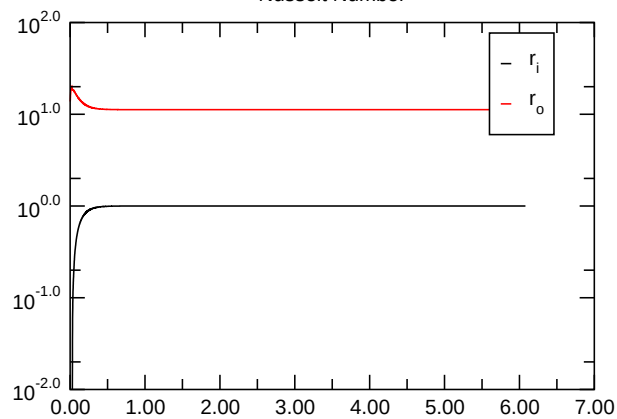
$E_{\text{kin,symm.}}$



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

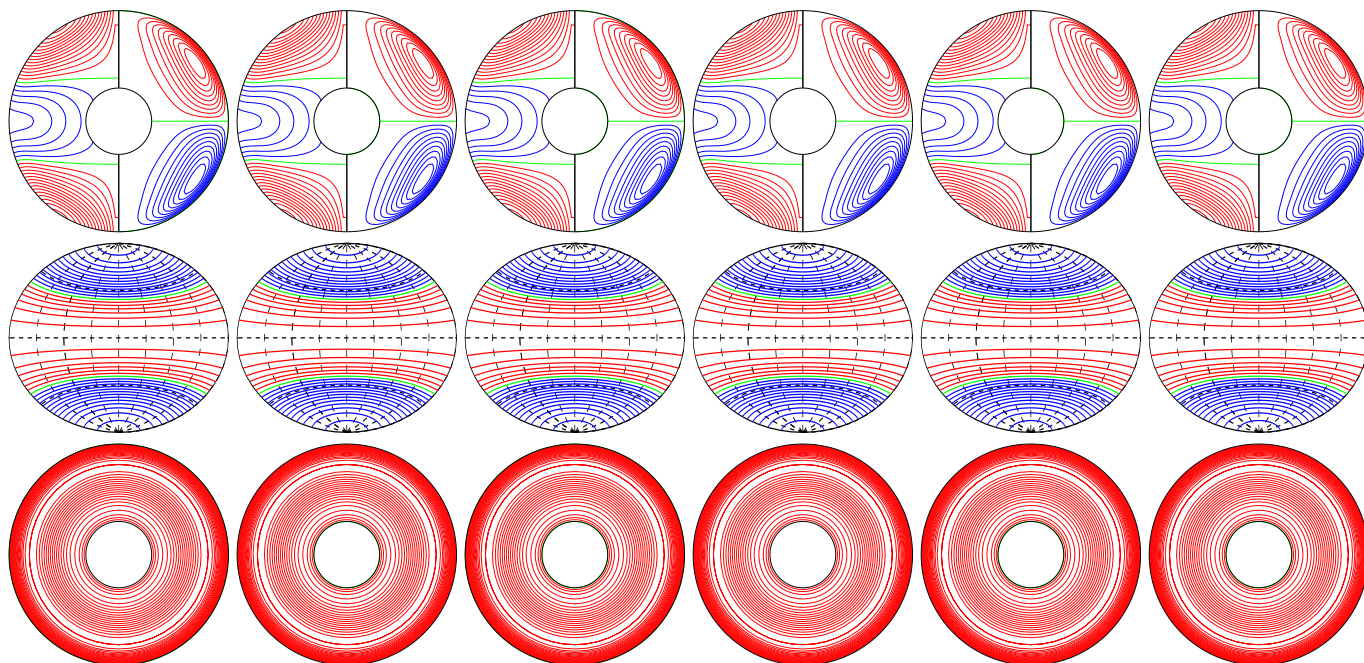


Nusselt Number

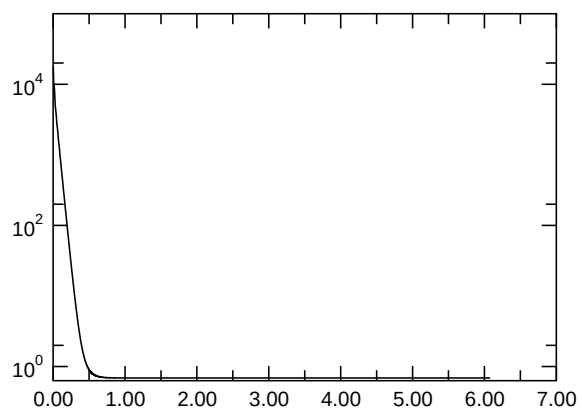


a.e03p1t03r-50000m16n2N2z1.0e3Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

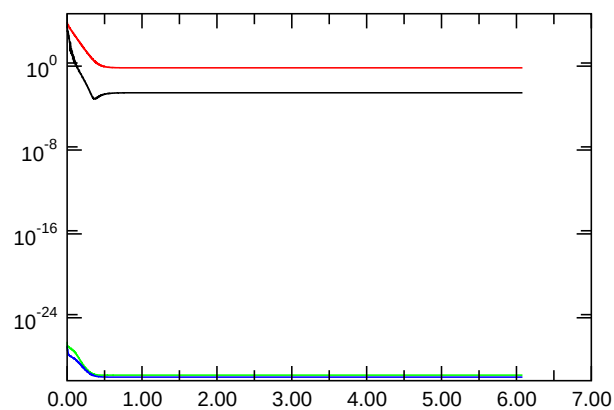
April 21, 2016



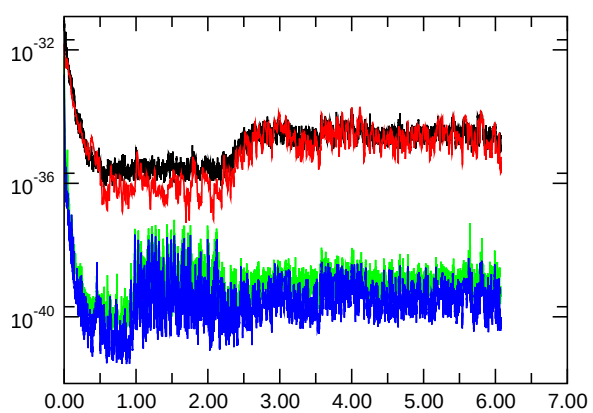
a.e03p1t03r-50000m16n2N2z1.0e3Y
 E_{kin}



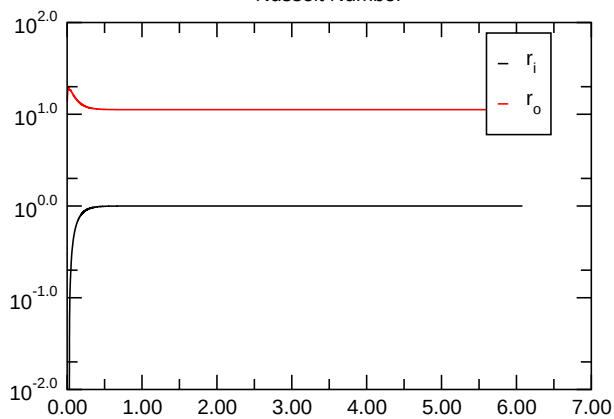
$E_{\text{kin,symm.}}$



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

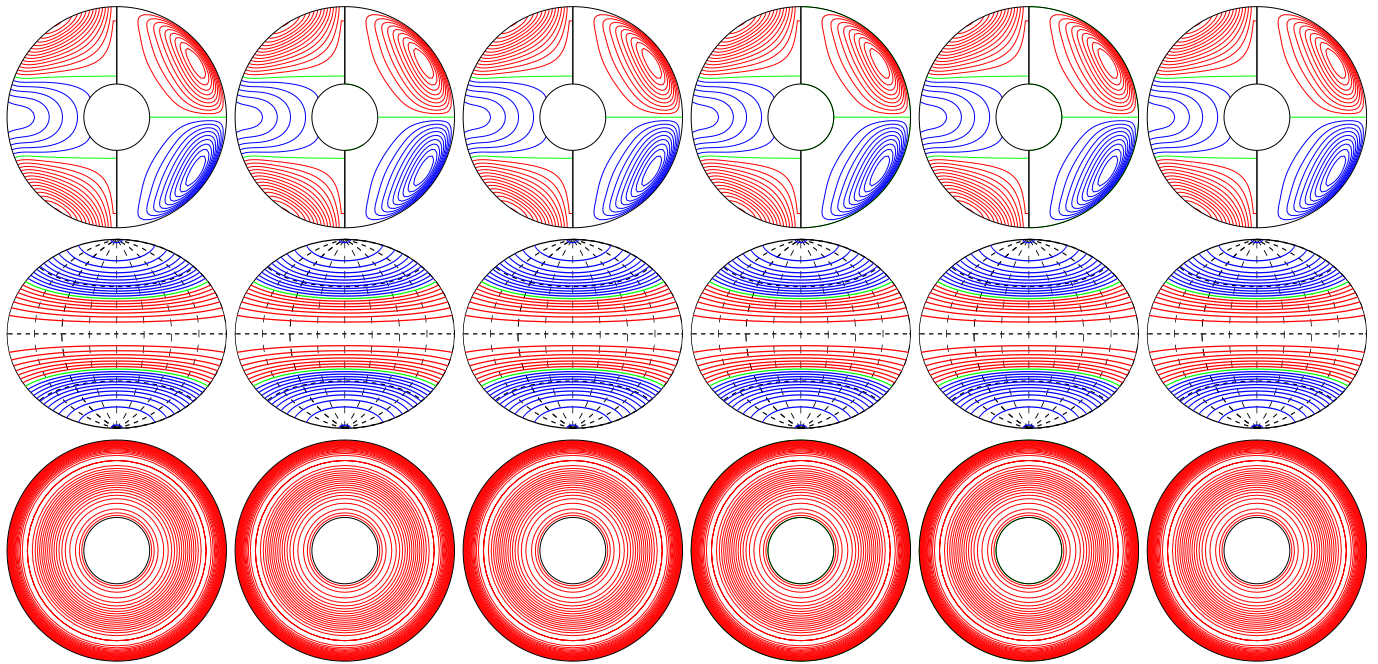


Nusselt Number

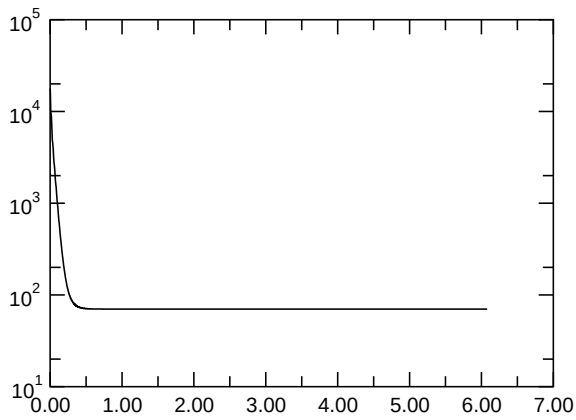


a.e03p1t03r-50000m16n2N2z1.0e4Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

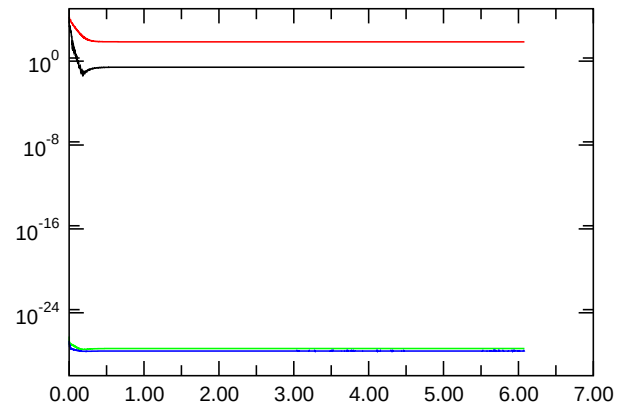
April 21, 2016



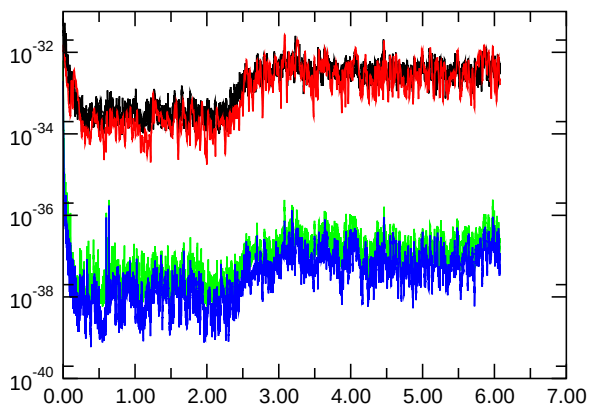
a.e03p1t03r-50000m16n2N2z1.0e4Y
 E_{kin}



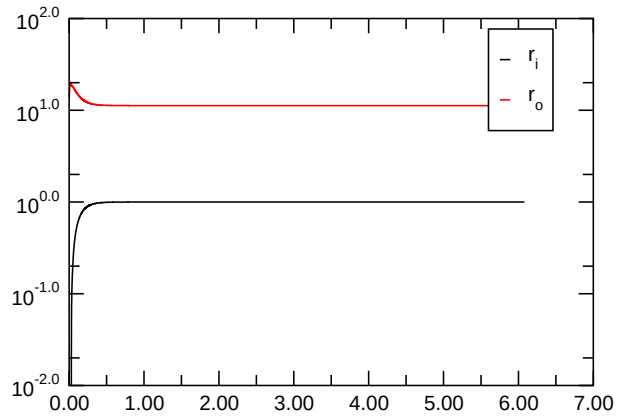
$E_{\text{kin,symm.}}$



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



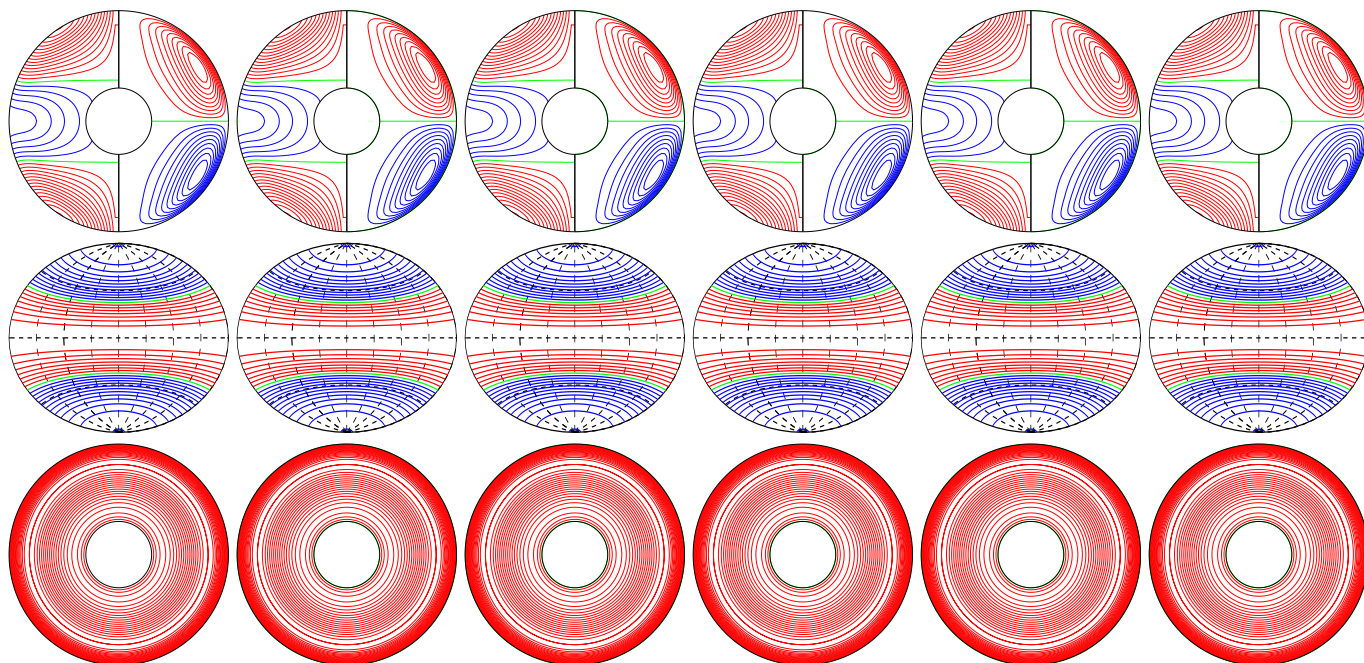
Nusselt Number



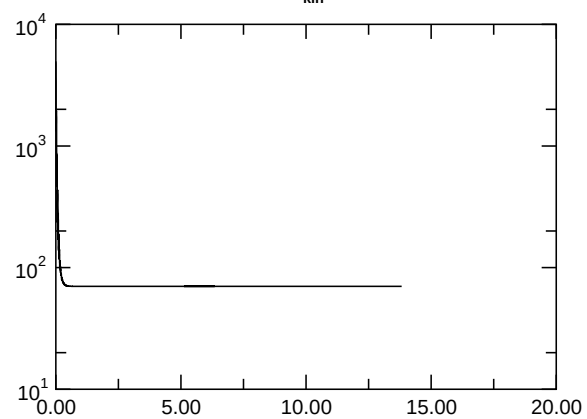
a.e03p1t03r-50000m1n2N2z1.0e4Y.11

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

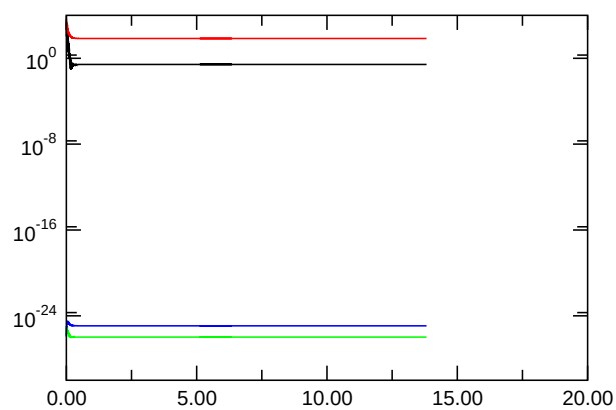
April 21, 2016



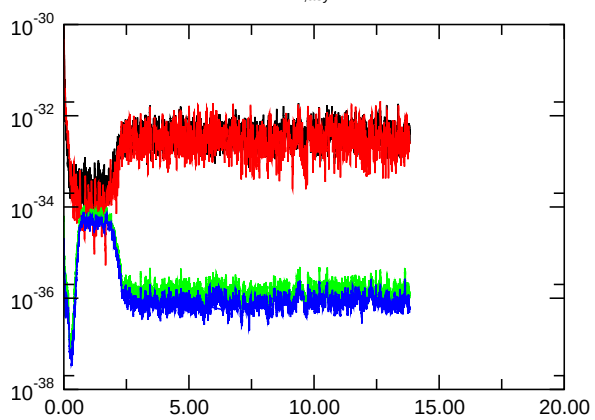
a.e03p1t03r-50000m1n2N2z1.0e4Y
 E_{kin}



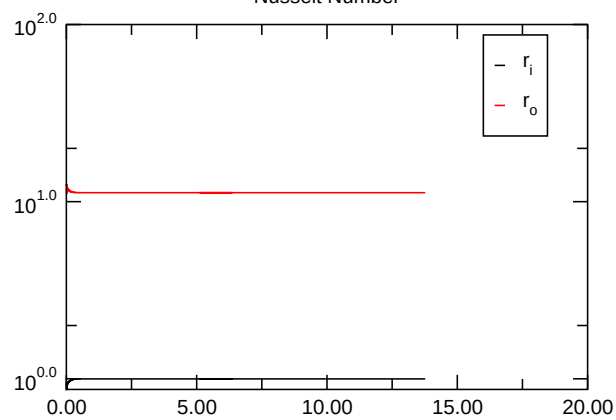
$E_{\text{kin, symm.}}$



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



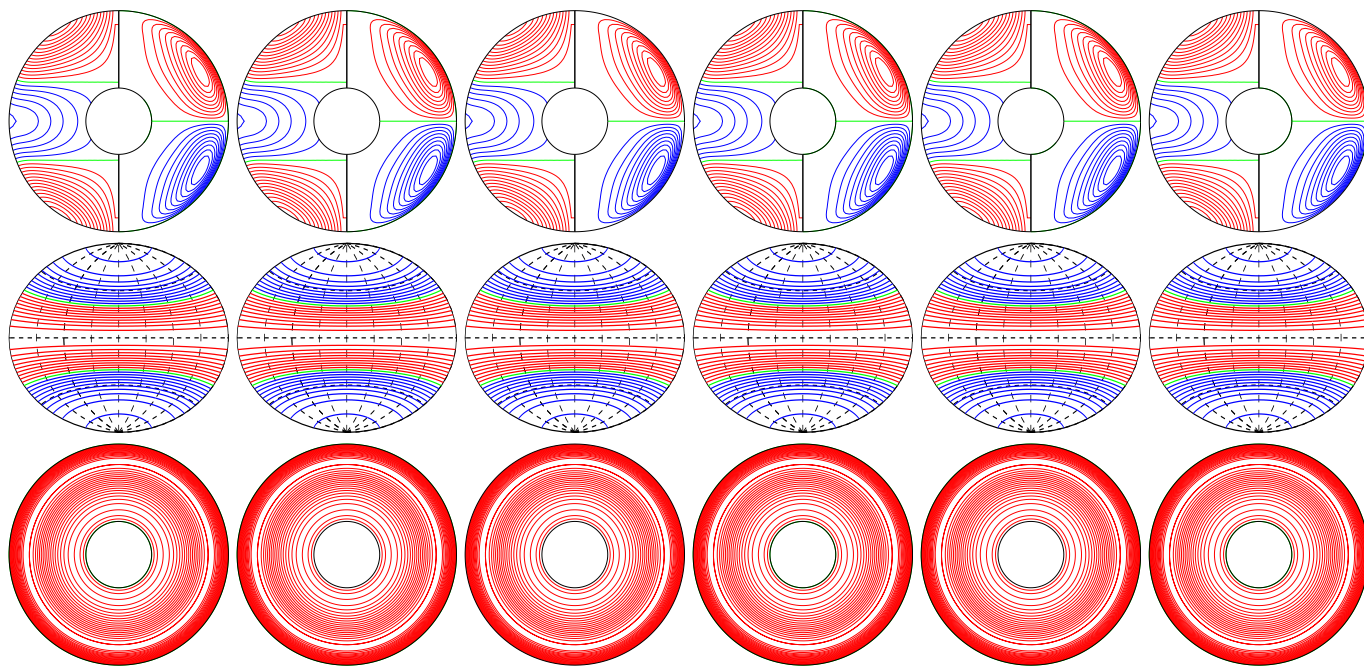
Nusselt Number



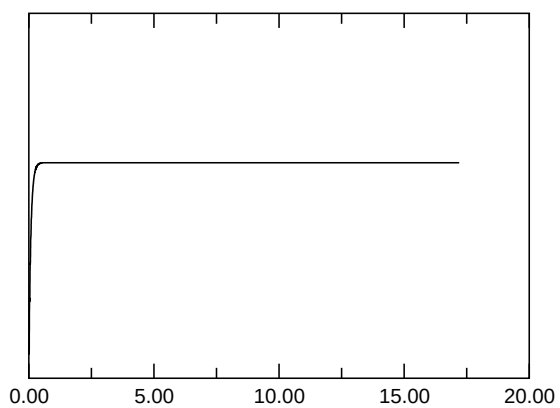
a.e03p1t03r-50000m1n2N2z2.0e4Y.14

times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

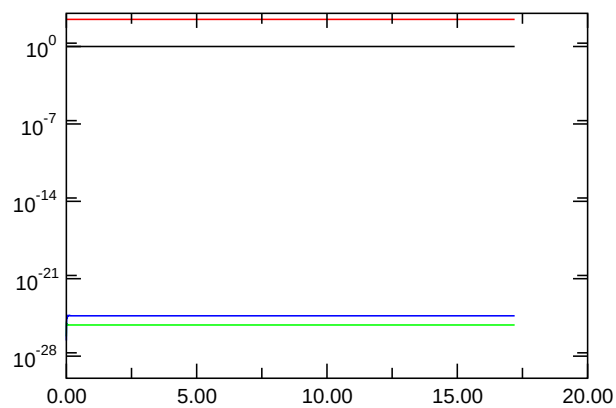
April 21, 2016



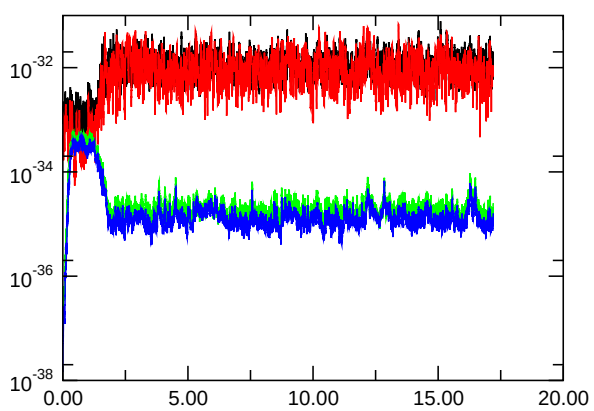
a.e03p1t03r-50000m1n2N2z2.0e4Y
 E_{kin}



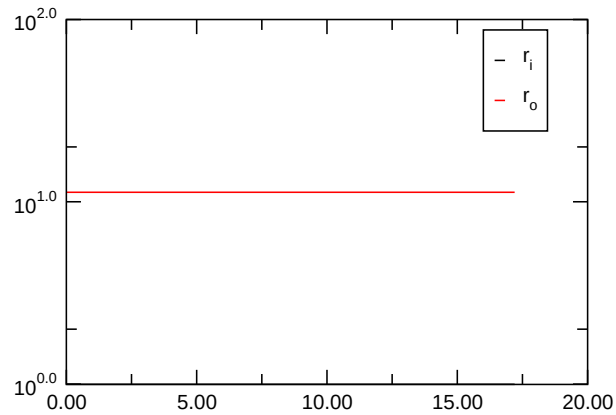
$E_{\text{kin,symm.}}$



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



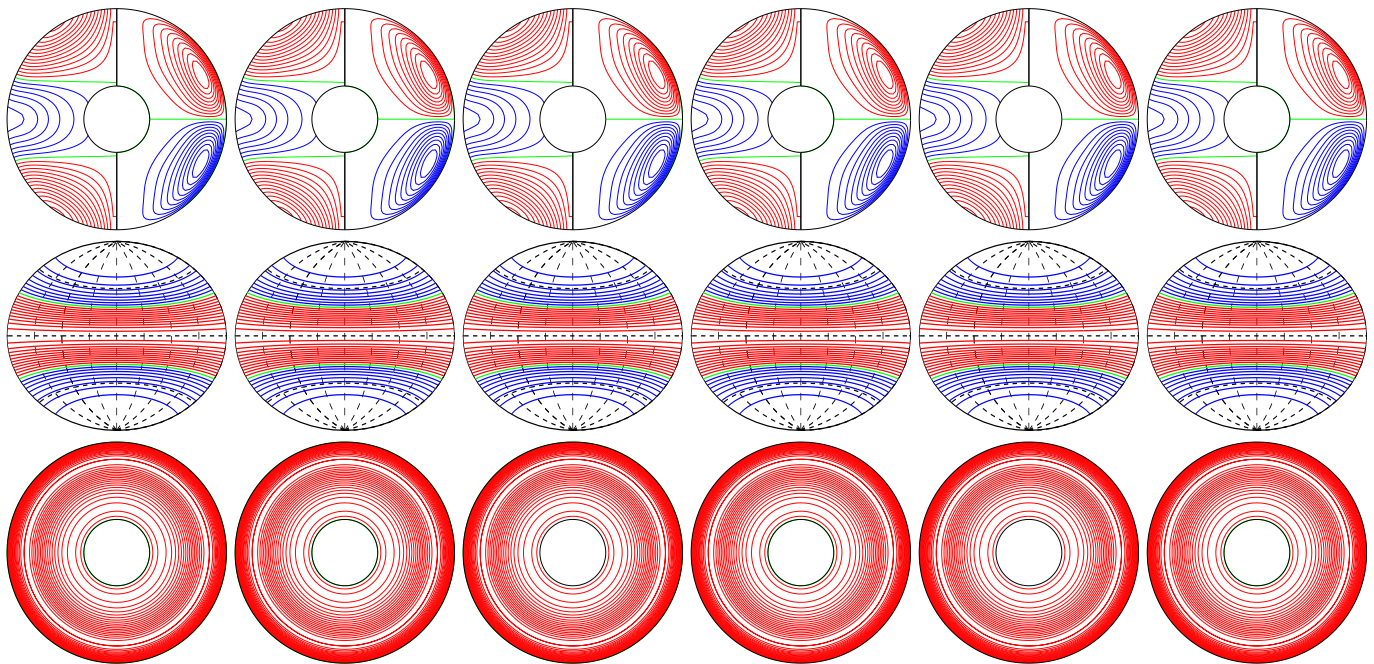
Nusselt Number



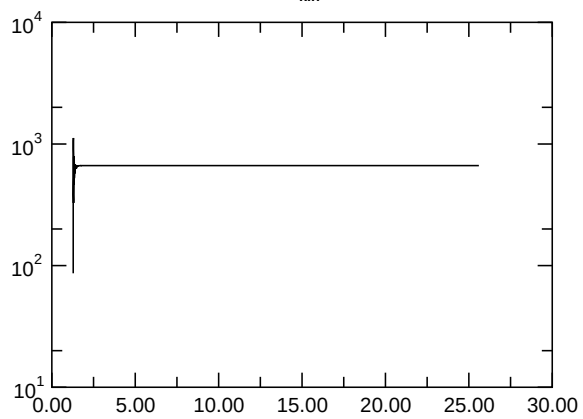
a.e03p1t03r-50000m1n2N2z3.0e4Y.20

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

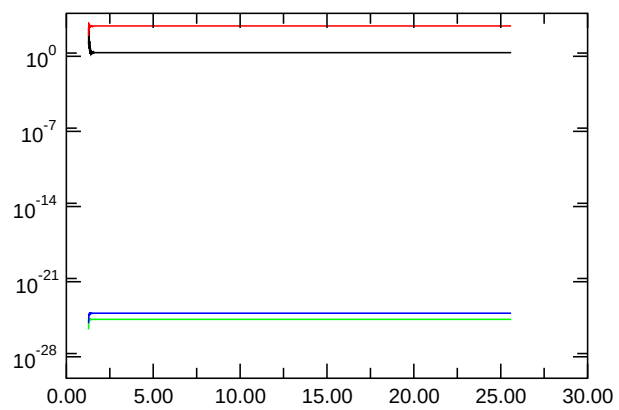
April 21, 2016



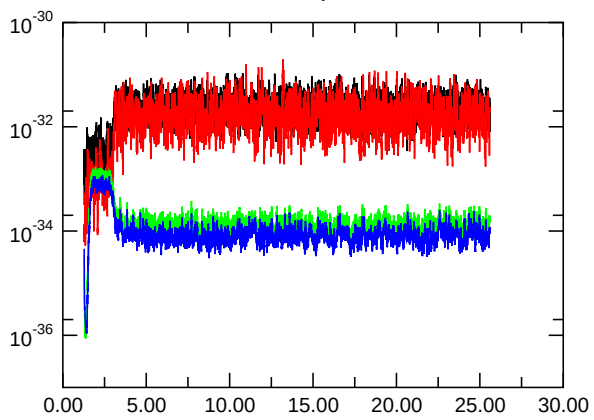
a.e03p1t03r-50000m1n2N2z3.0e4Y
 E_{kin}



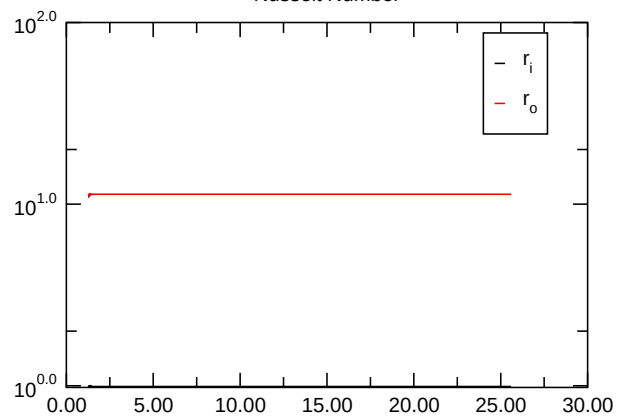
$E_{\text{kin,symm.}}$



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

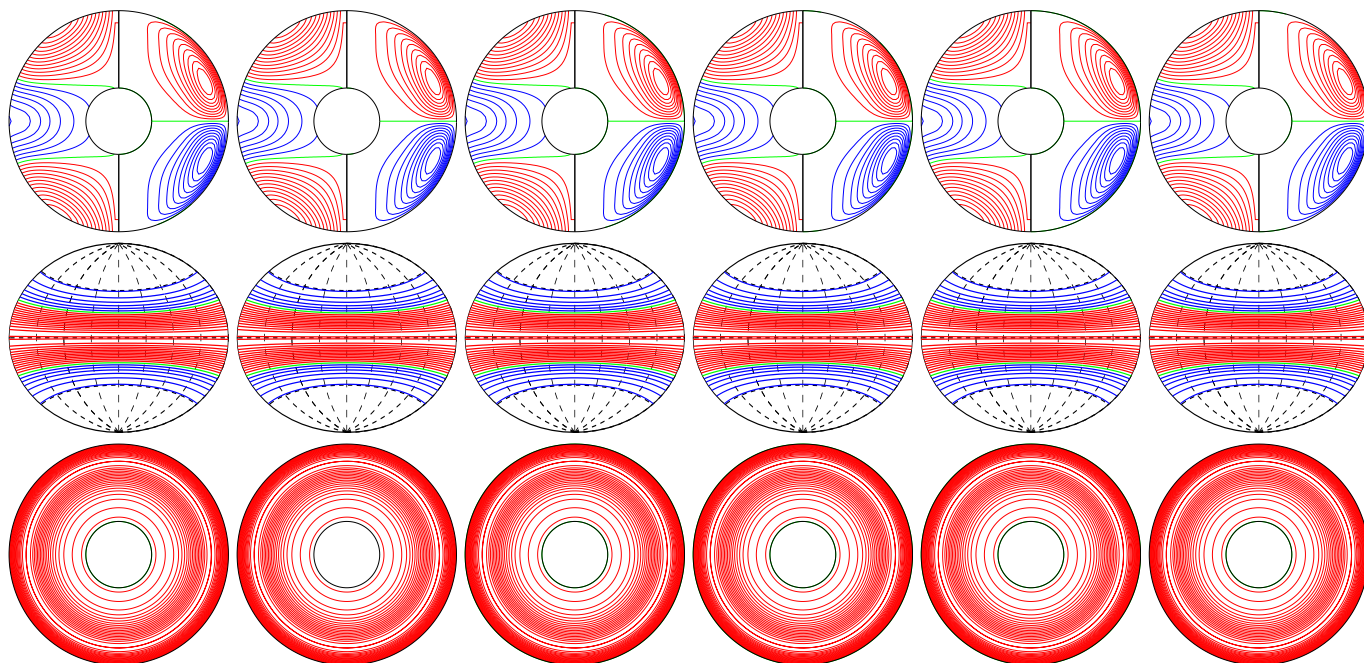


Nusselt Number

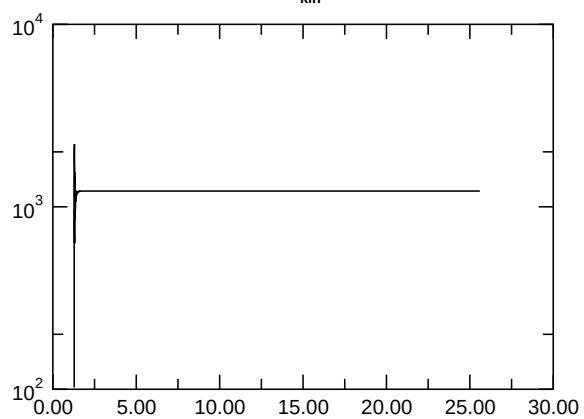


a.e03p1t03r-50000m1n2N2z4.0e4Y.20
times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

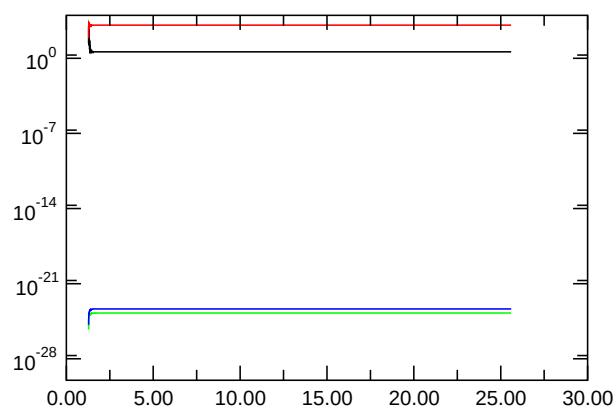
April 21, 2016



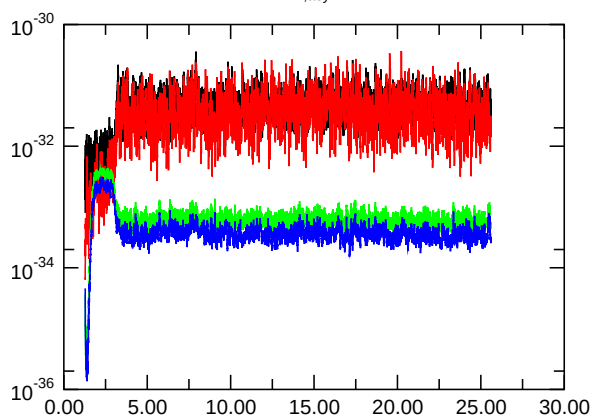
a.e03p1t03r-50000m1n2N2z4.0e4Y
 E_{kin}



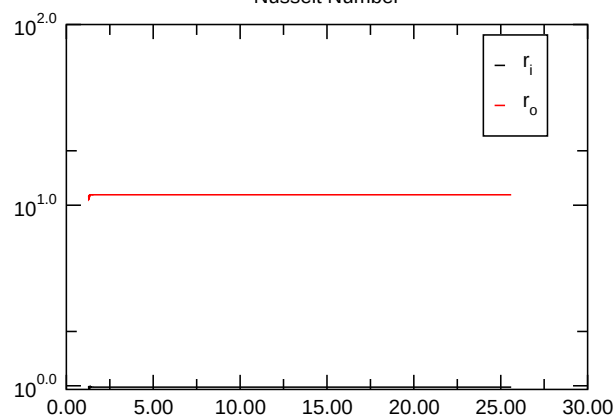
$E_{\text{kin,symm.}}$



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



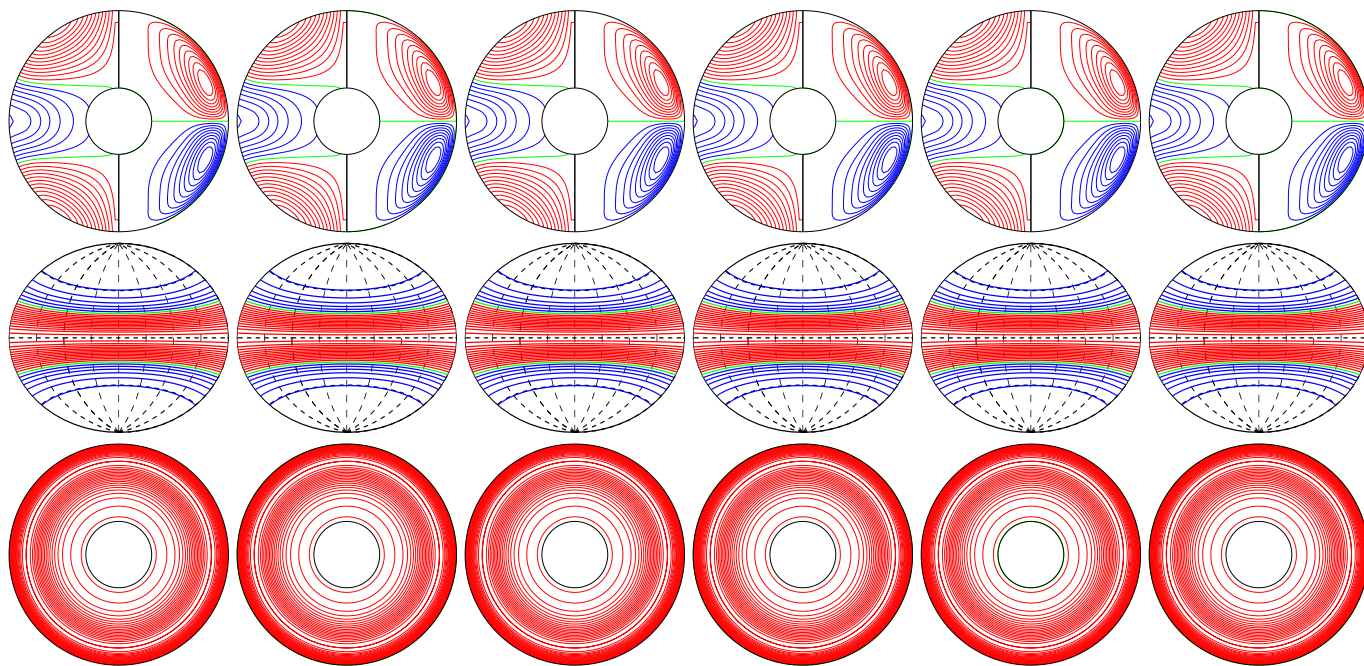
Nusselt Number



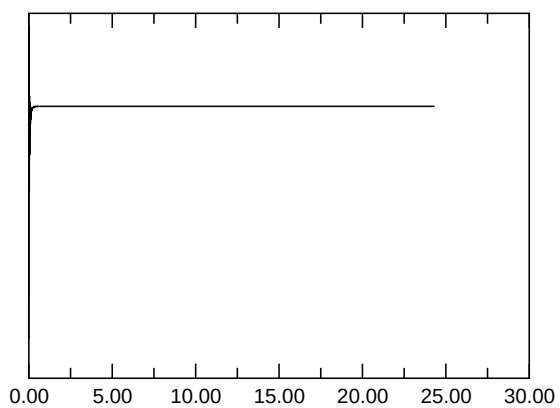
a.e03p1t03r-50000m1n2N2z4.2e4Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

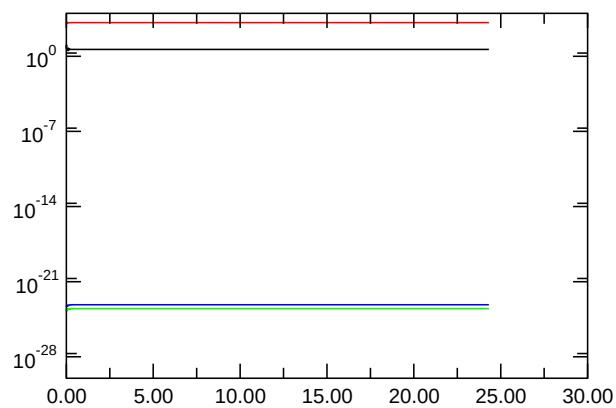
April 21, 2016



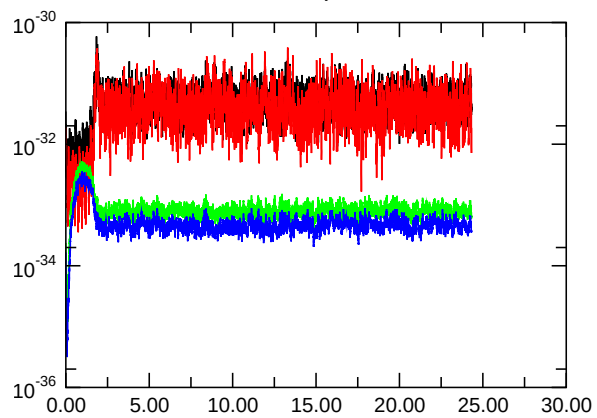
a.e03p1t03r-50000m1n2N2z4.2e4Y
 E_{kin}



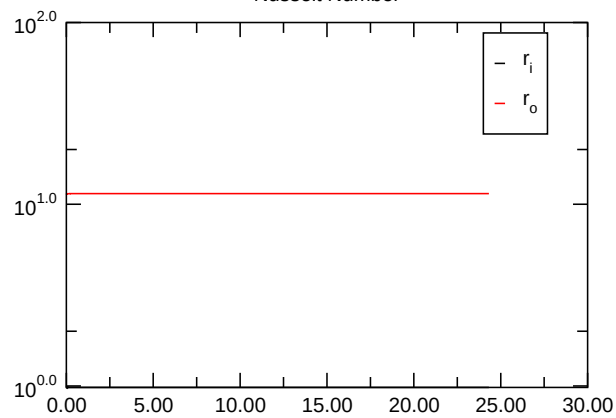
$E_{\text{kin,symm.}}$



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

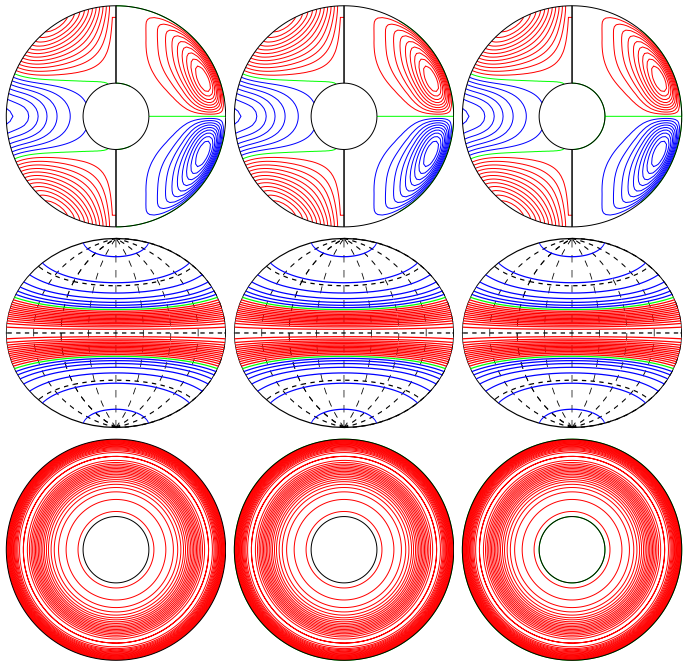


Nusselt Number

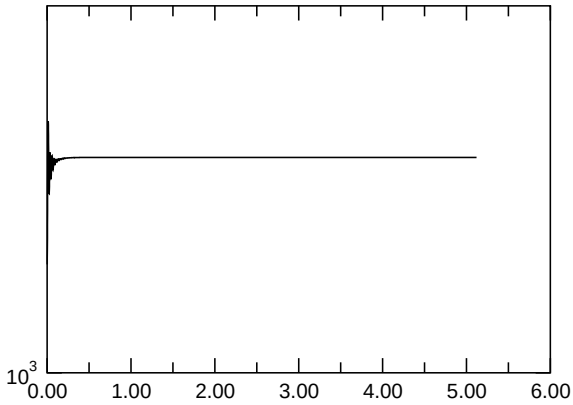


a.e03p1t03r-50000m1n2N2z4.4e4Y.4
times: 1.280001 2.560002 3.840003

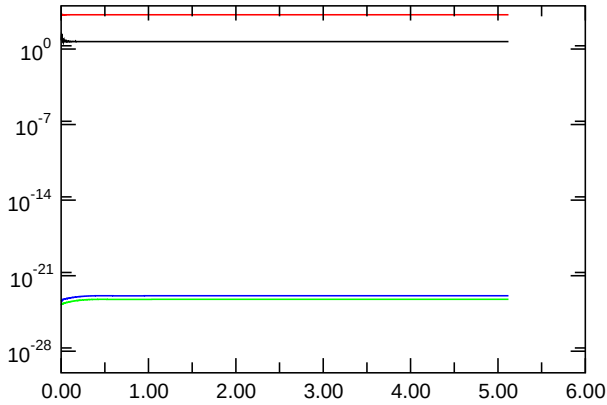
April 21, 2016



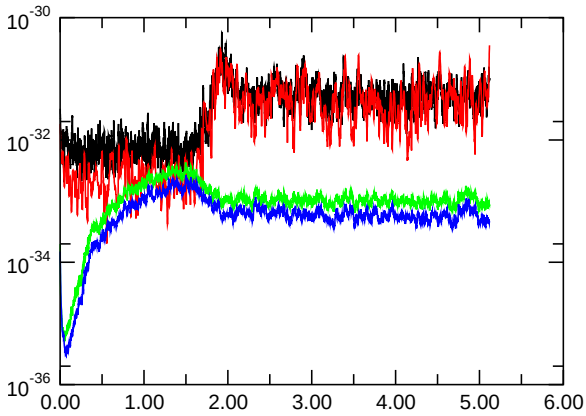
a.e03p1t03r-50000m1n2N2z4.4e4Y
 E_{kin}



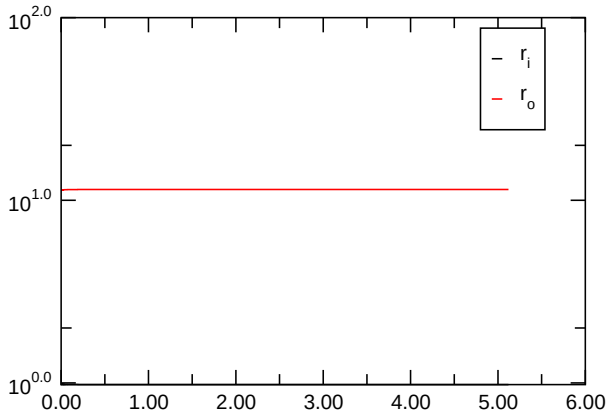
$E_{\text{kin,symm.}}$



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

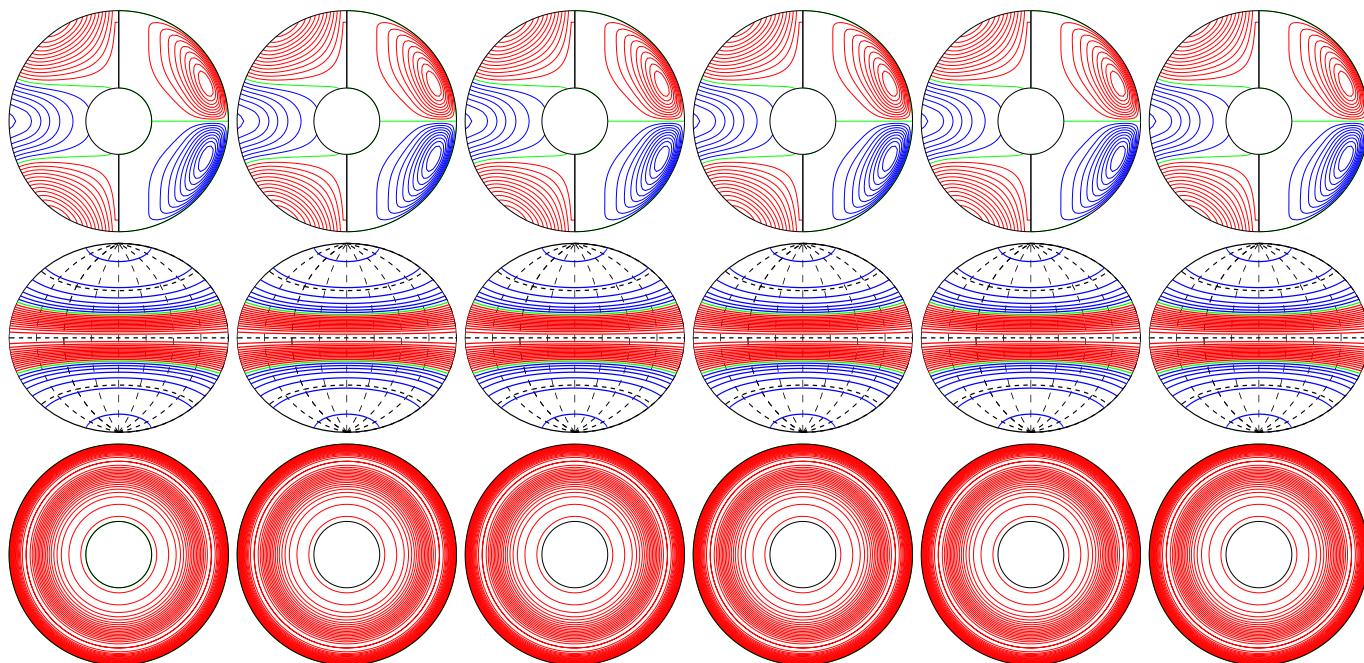


Nusselt Number

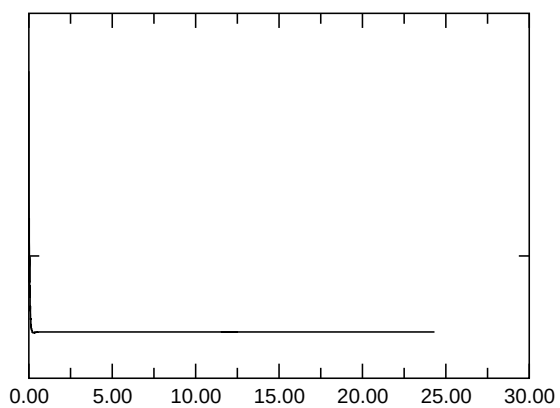


a.e03p1t03r-50000m1n2N2z4.4e4Ya.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

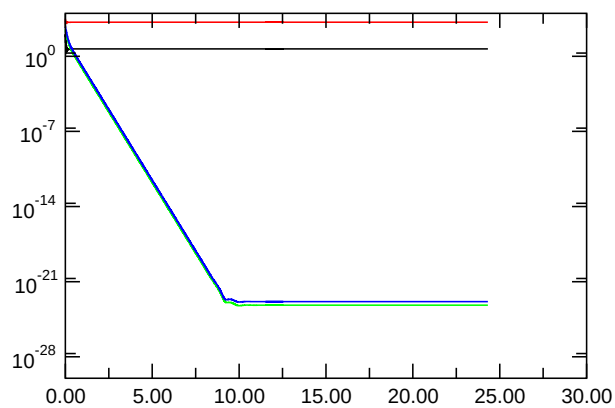
April 21, 2016



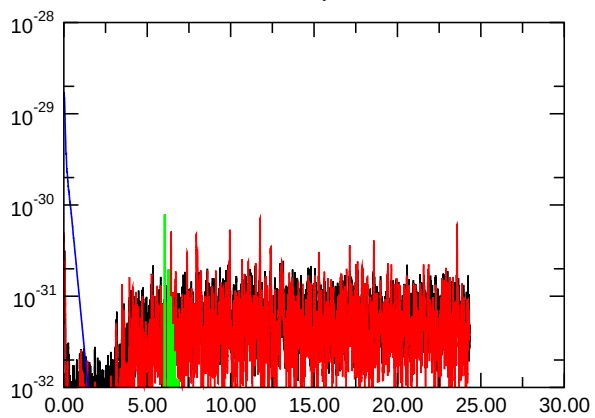
a.e03p1t03r-50000m1n2N2z4.4e4Ya
 E_{kin}



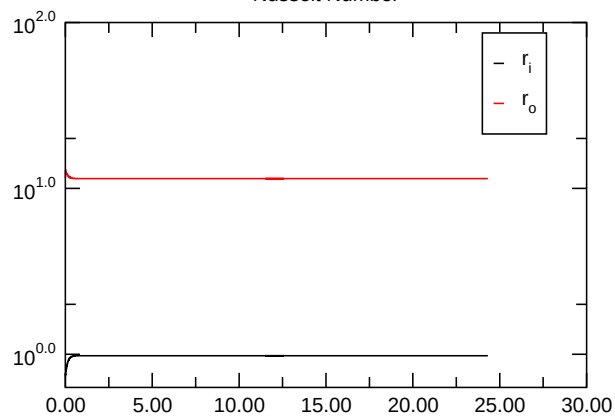
$E_{\text{kin,symm.}}$



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

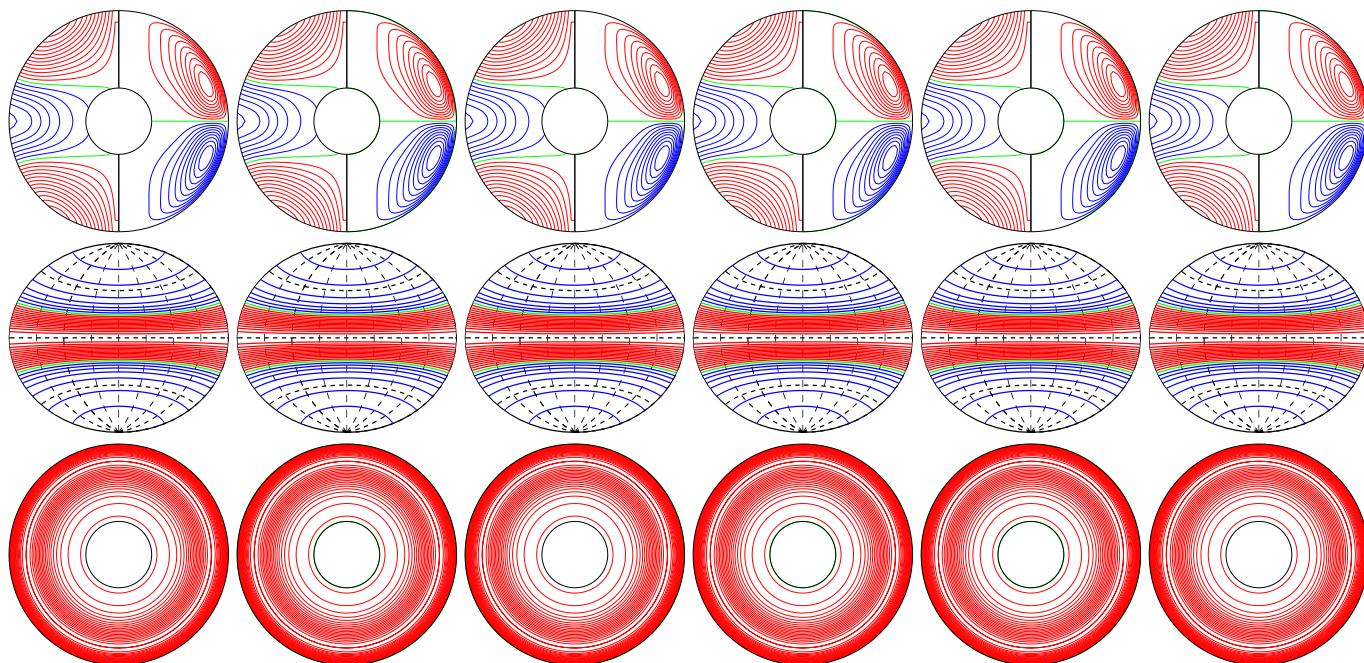


Nusselt Number

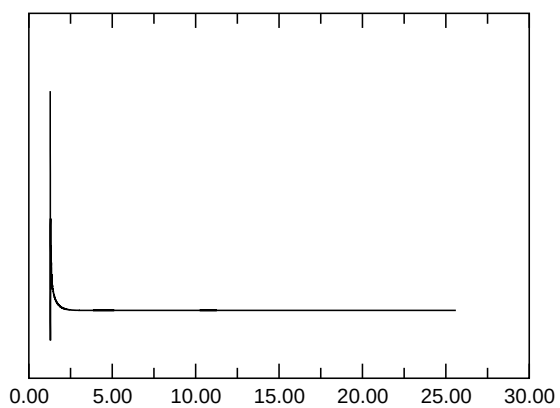


a.e03p1t03r-50000m1n2N2z4.5e4Ya.20
times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

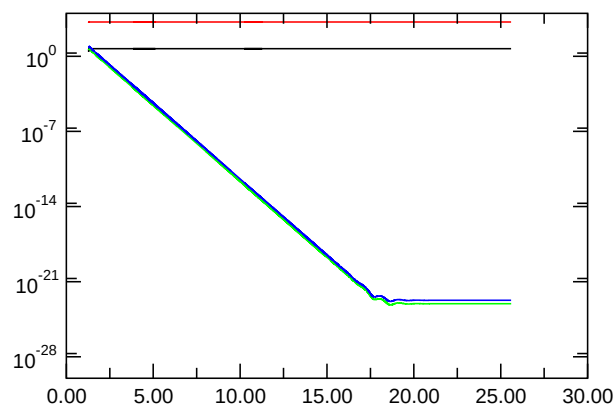
April 21, 2016



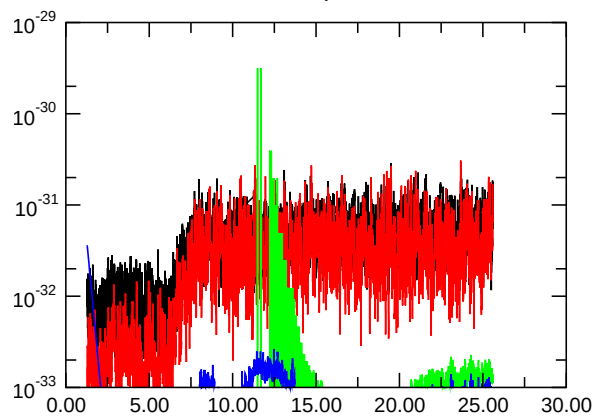
a.e03p1t03r-50000m1n2N2z4.5e4Ya
 E_{kin}



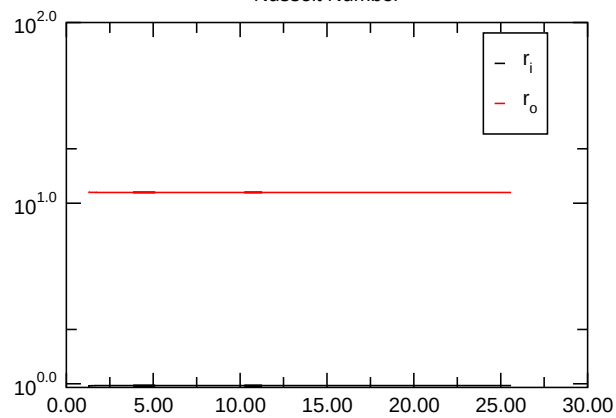
$E_{\text{kin,symm.}}$



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



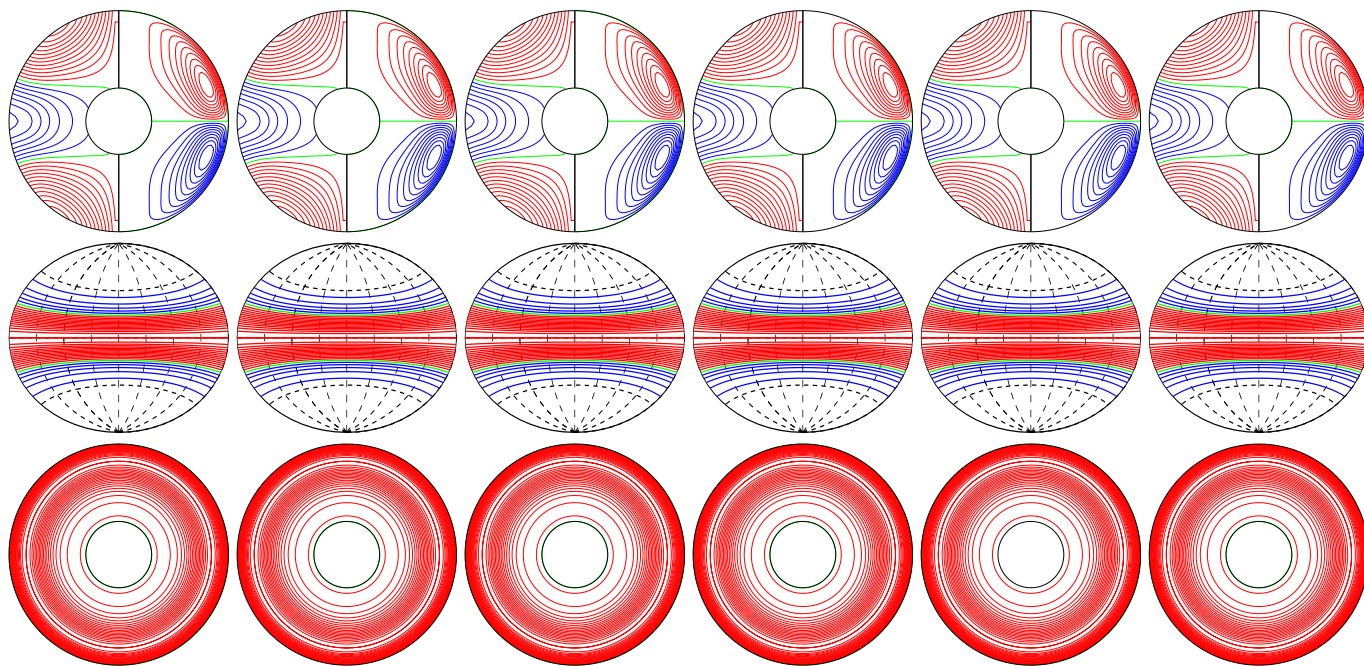
Nusselt Number



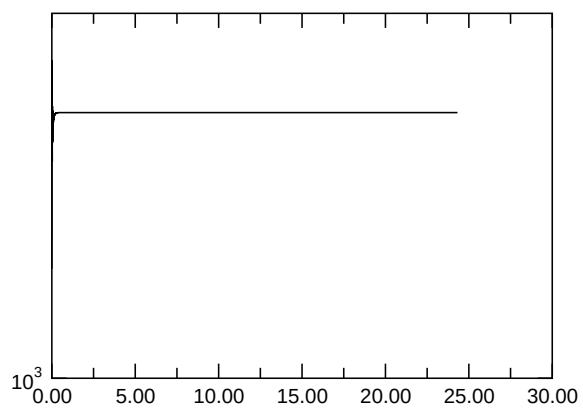
a.e03p1t03r-50000m1n2N2z4.6e4Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

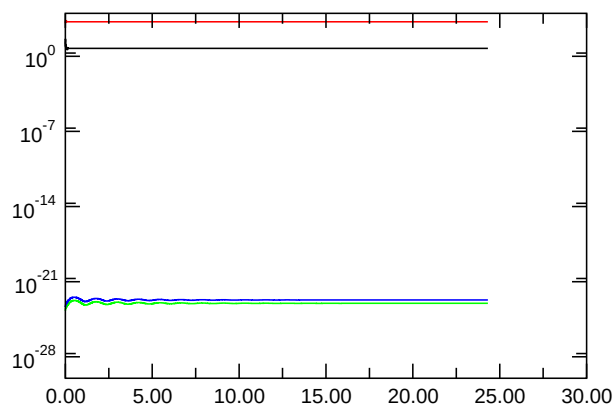
April 21, 2016



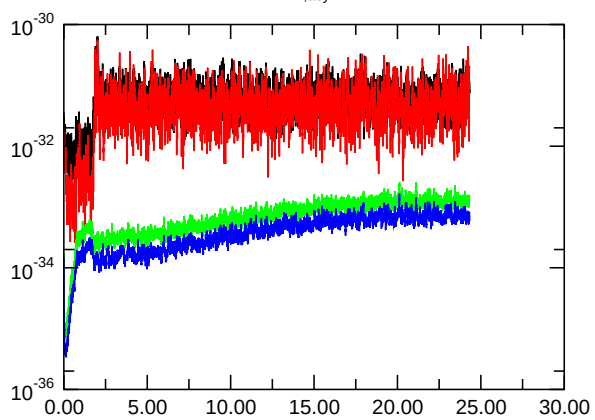
a.e03p1t03r-50000m1n2N2z4.6e4Y
 E_{kin}



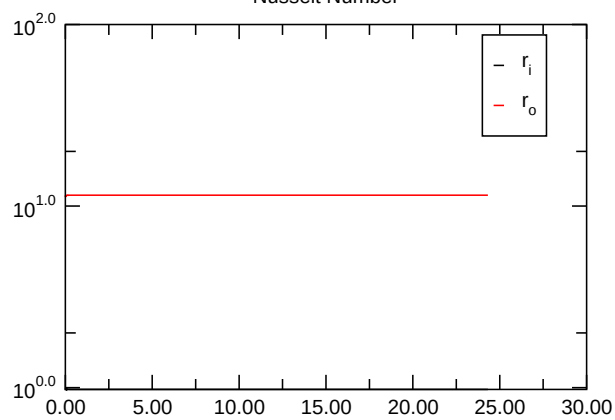
$E_{\text{kin,symm.}}$



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

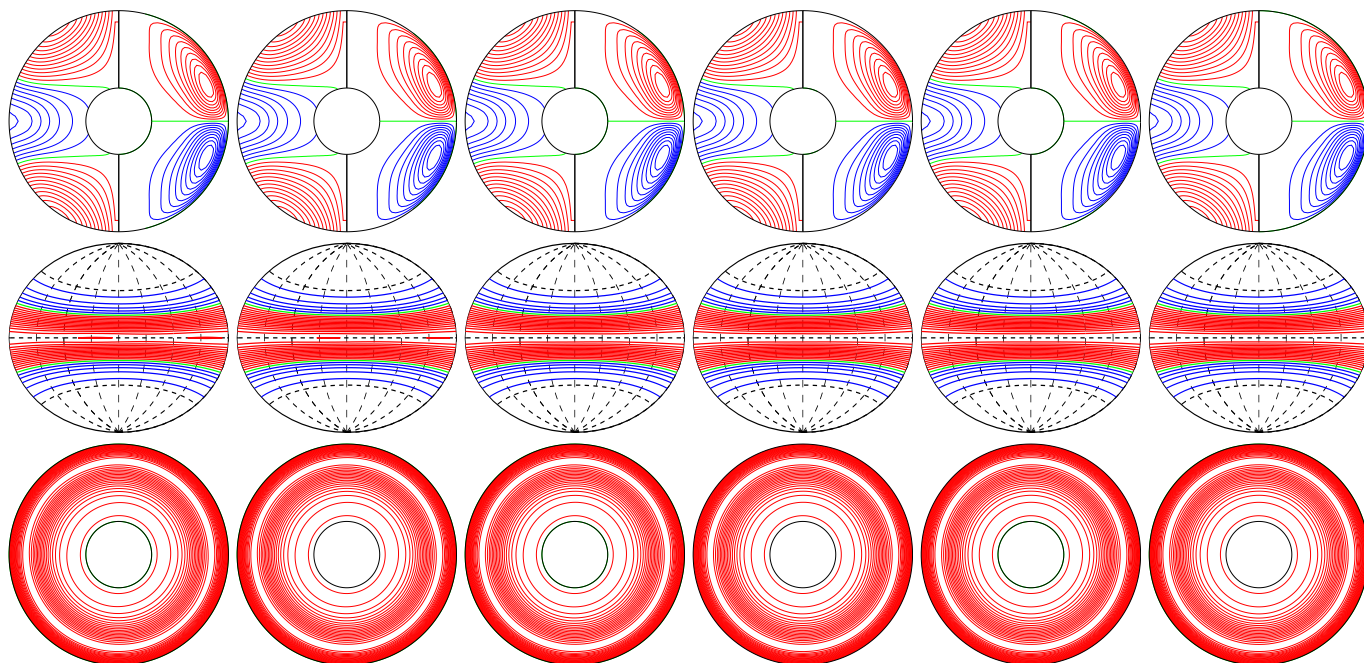


Nusselt Number

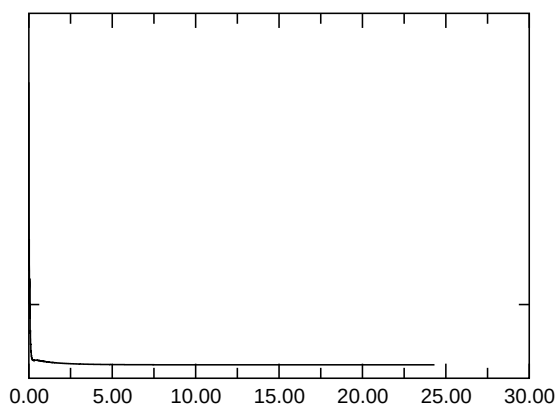


a.e03p1t03r-50000m1n2N2z4.6e4Ya.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

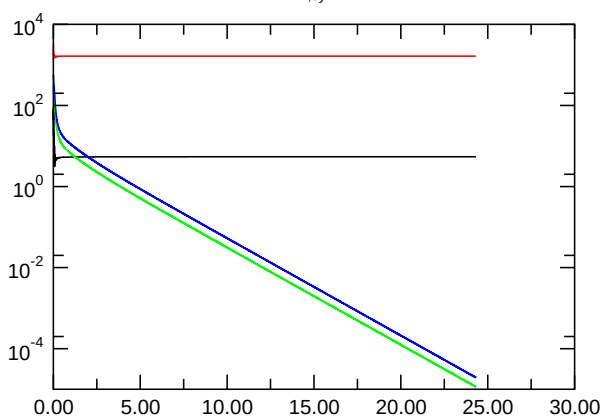
April 21, 2016



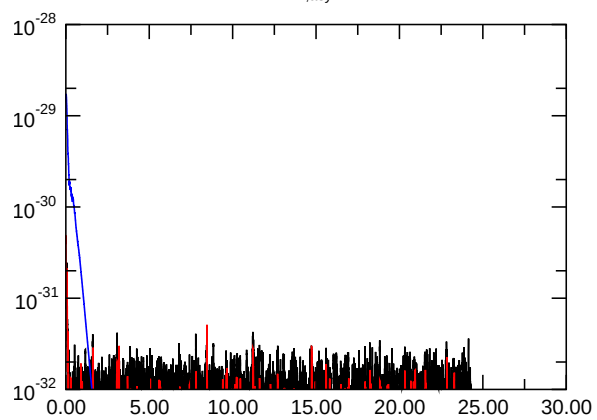
a.e03p1t03r-50000m1n2N2z4.6e4Ya
 E_{kin}



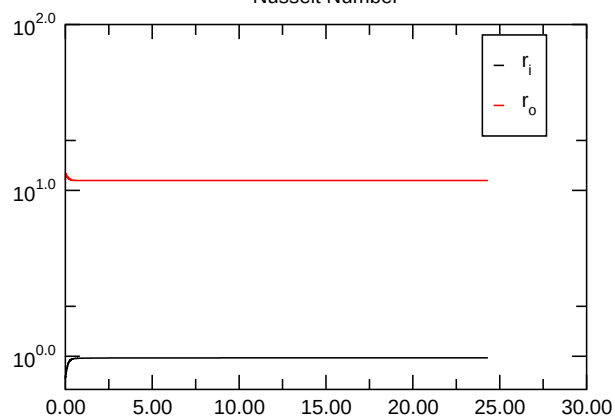
$E_{\text{kin,symm.}}$



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

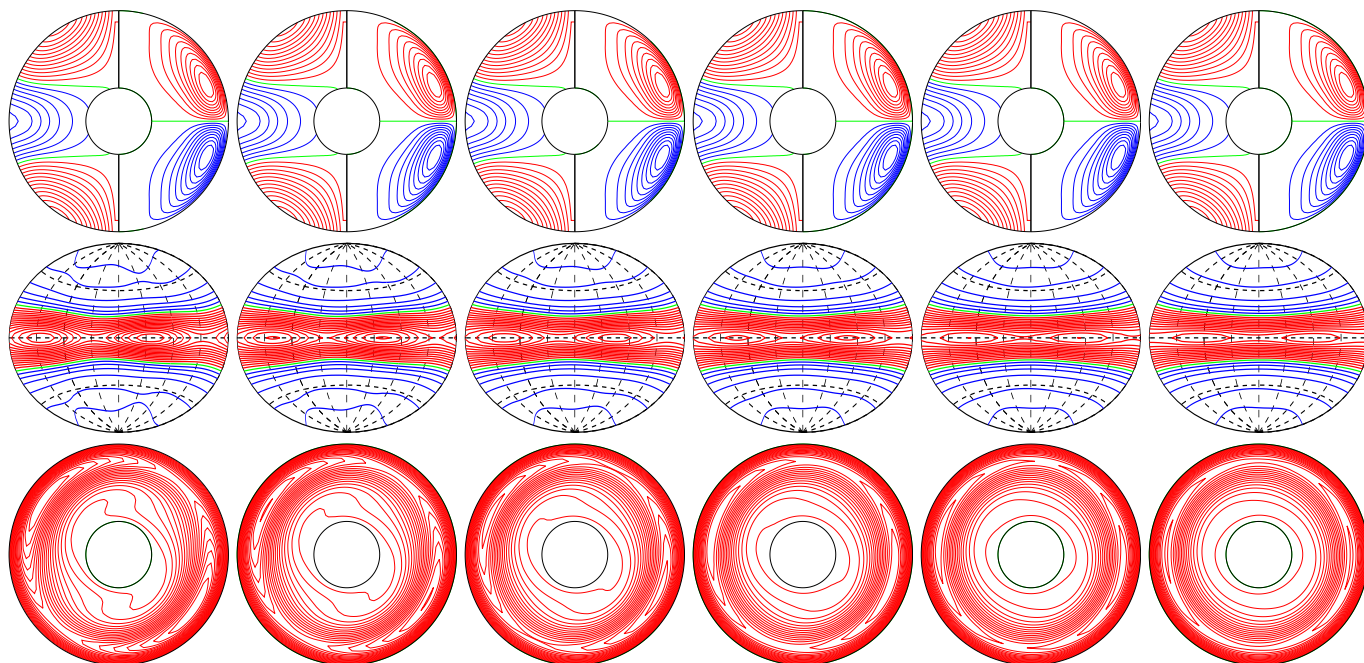


Nusselt Number

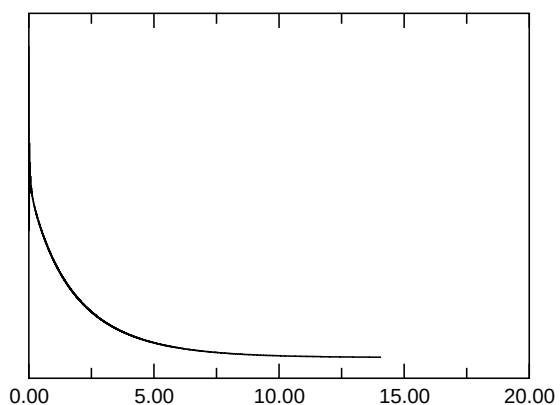


a.e03p1t03r-50000m1n2N2z4.605e4Yb.12
times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

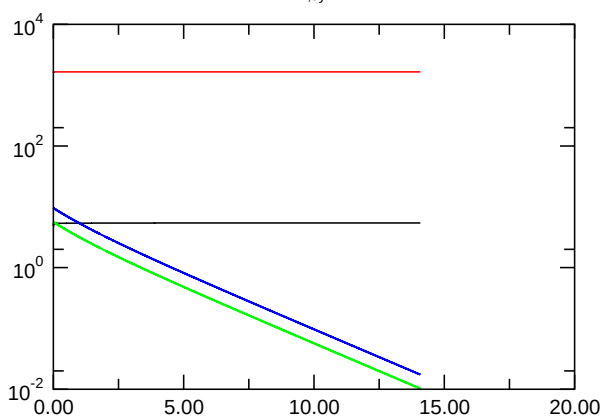
April 21, 2016



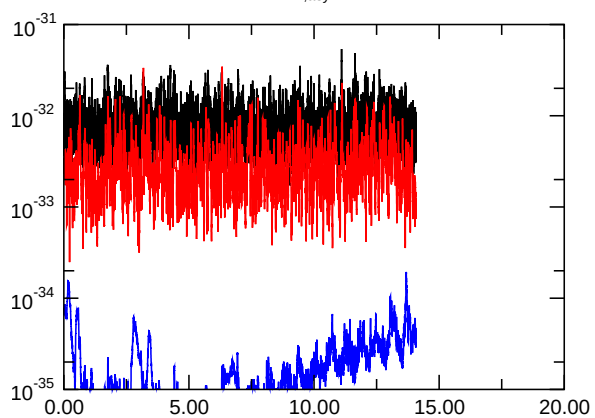
a.e03p1t03r-50000m1n2N2z4.605e4Yb
 E_{kin}



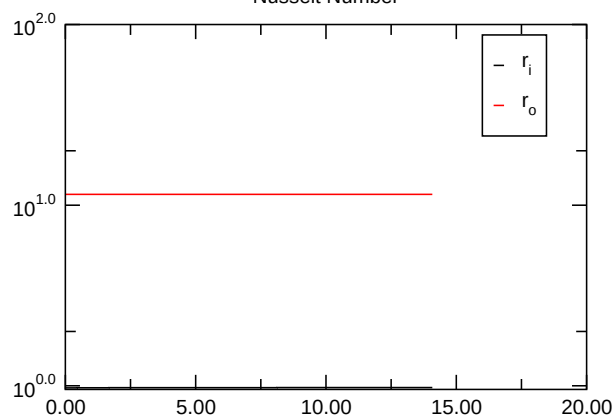
$E_{\text{kin,symm.}}$



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

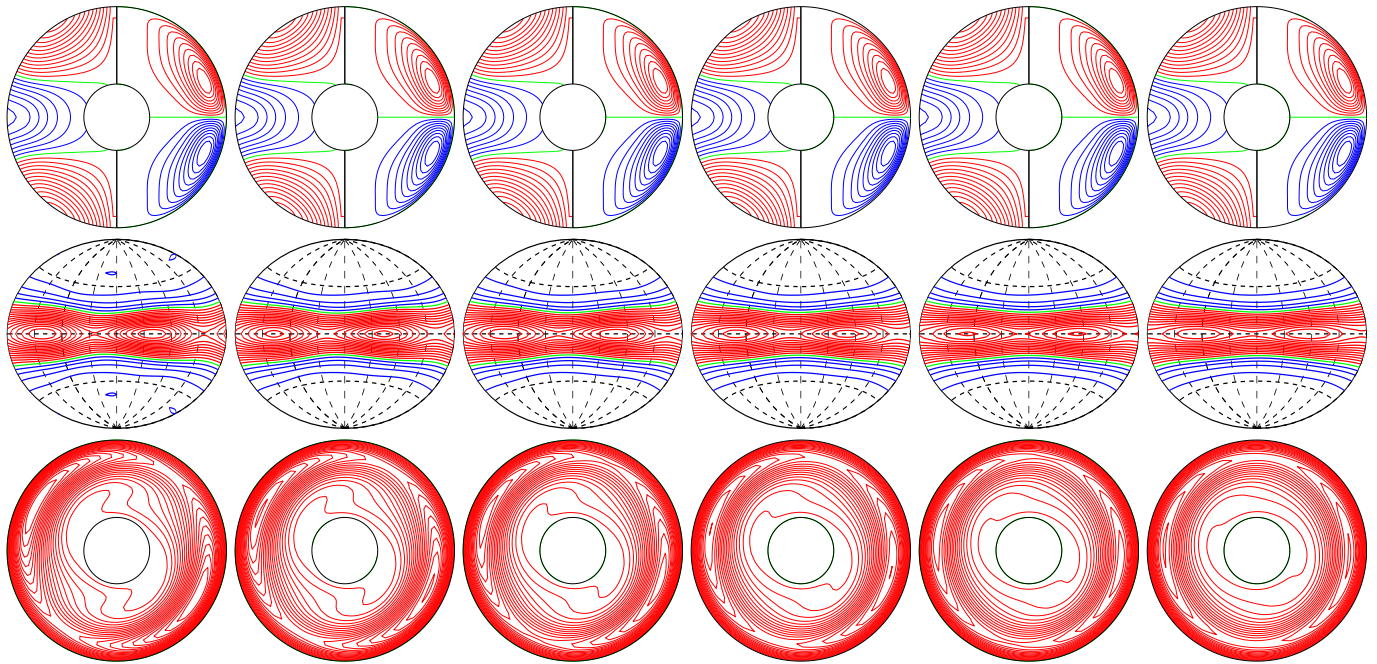


Nusselt Number

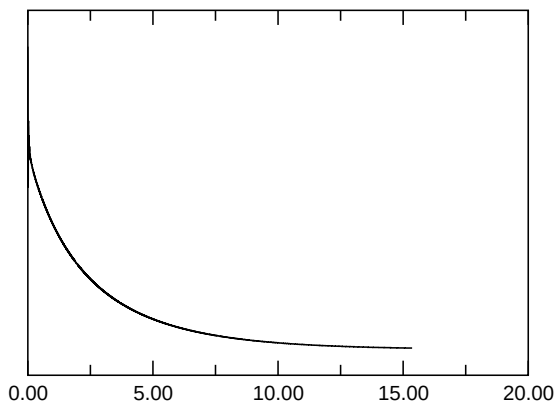


a.e03p1t03r-50000m1n2N2z4.61e4Yb.13
times: 8.960007 10.24001 11.52001 12.80001 14.08001 15.36001

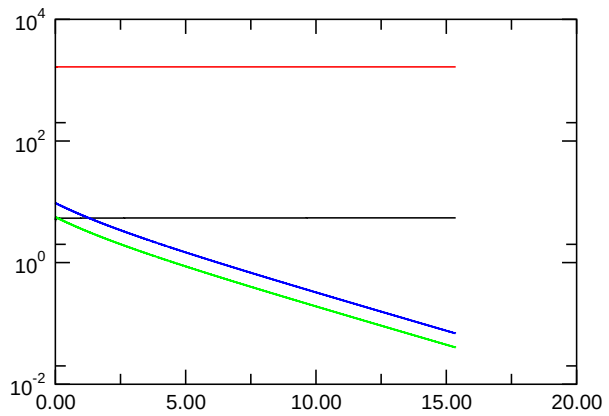
April 21, 2016



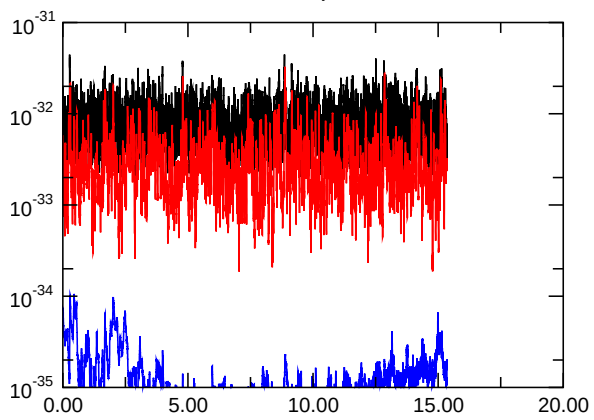
a.e03p1t03r-50000m1n2N2z4.61e4Yb
 E_{kin}



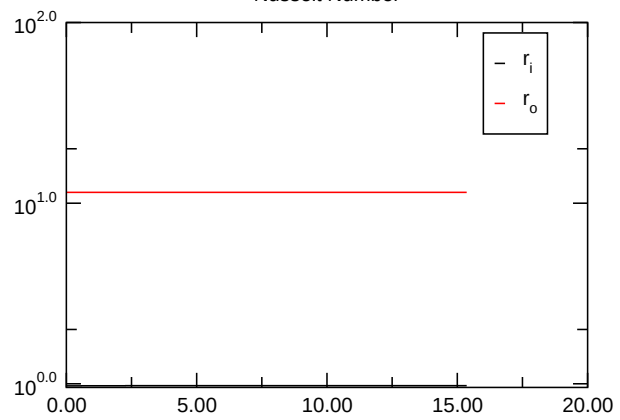
$E_{\text{kin,symm.}}$



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

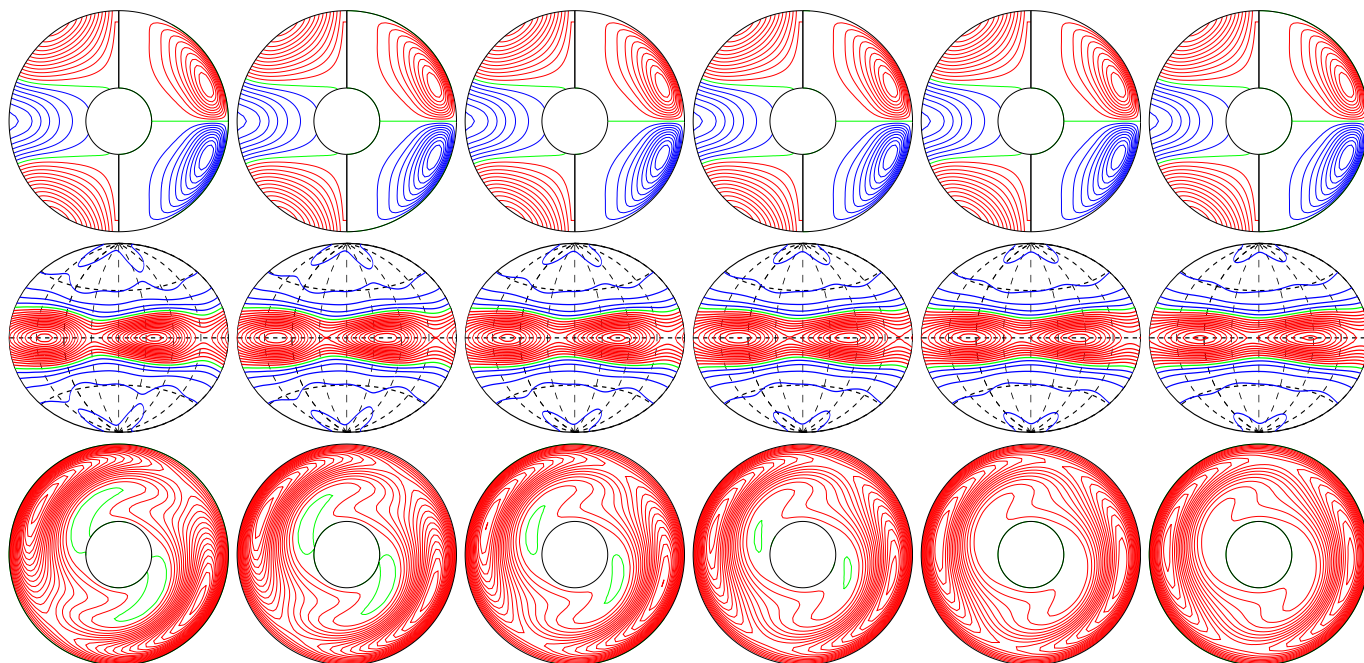


Nusselt Number



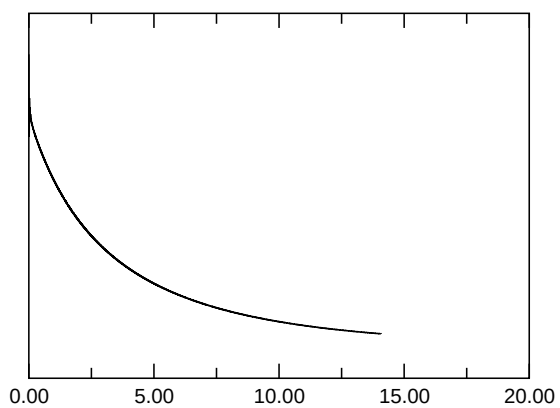
a.e03p1t03r-50000m1n2N2z4.615e4Yb.12
times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

April 21, 2016

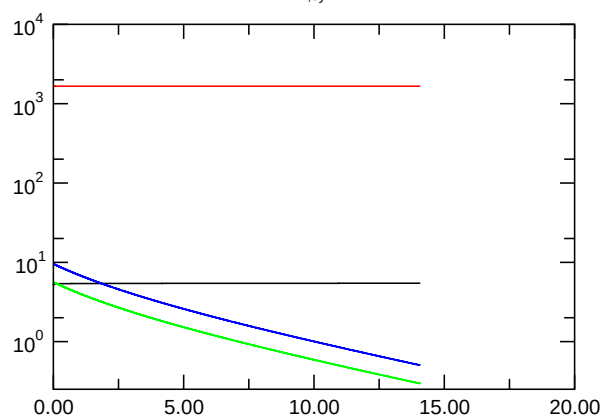


a.e03p1t03r-50000m1n2N2z4.615e4Yb

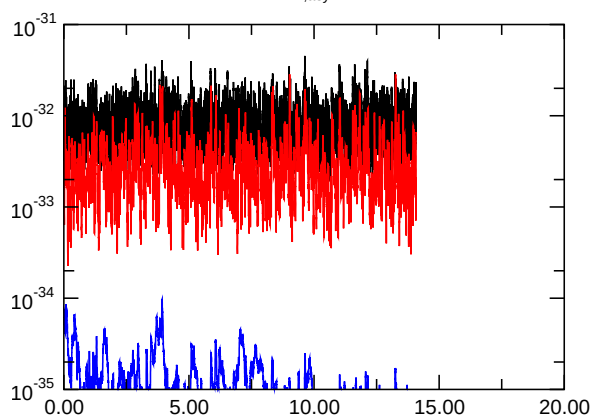
E_{kin}



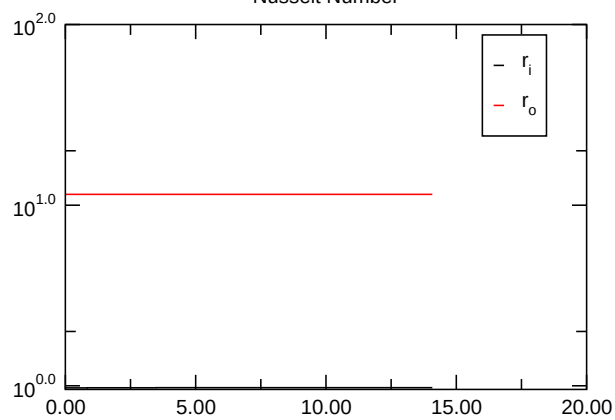
$E_{\text{kin,symm.}}$



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

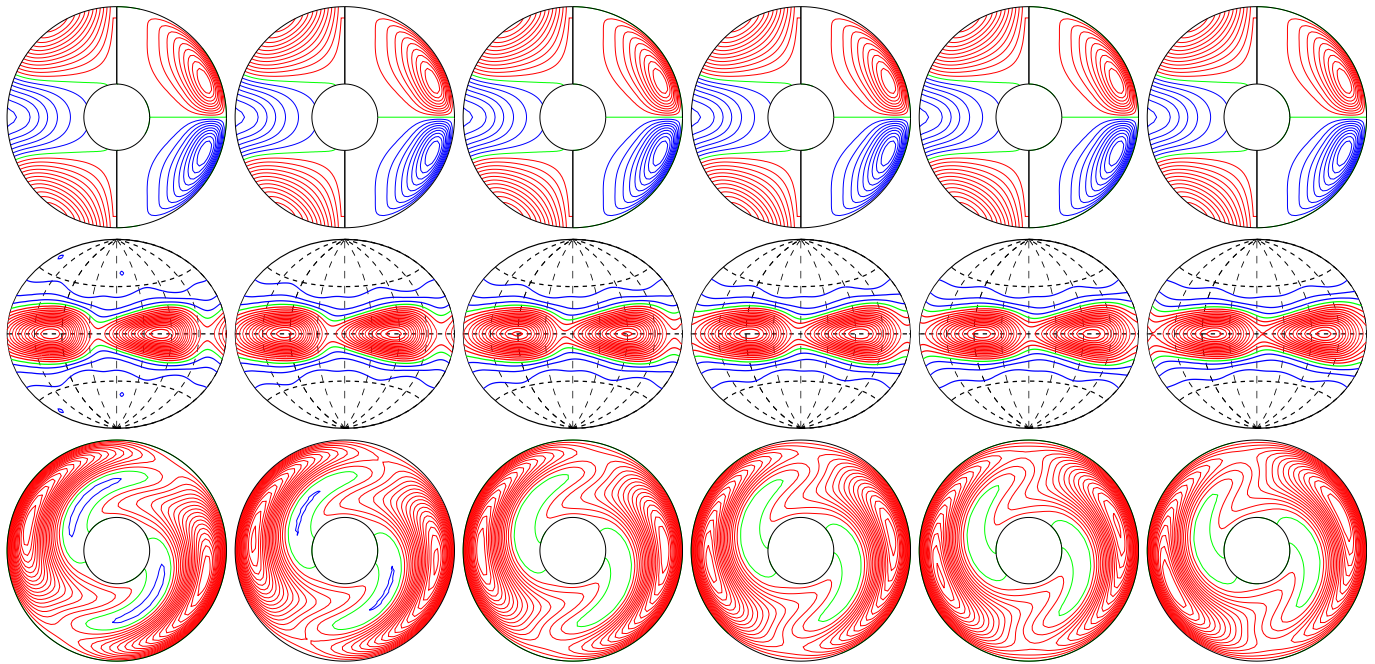


Nusselt Number

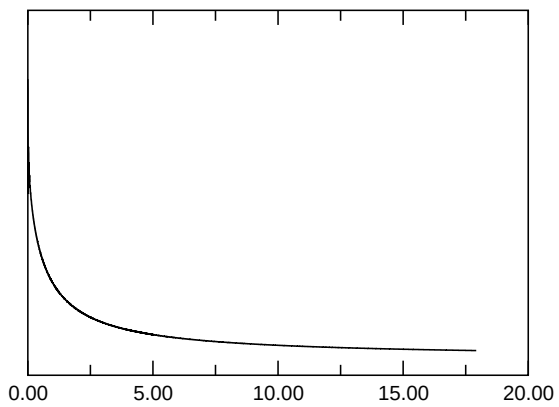


a.e03p1t03r-50000m1n2N2z4.62e4Yb.15
times: 11.52001 12.80001 14.08001 15.36001 16.64001 17.92001

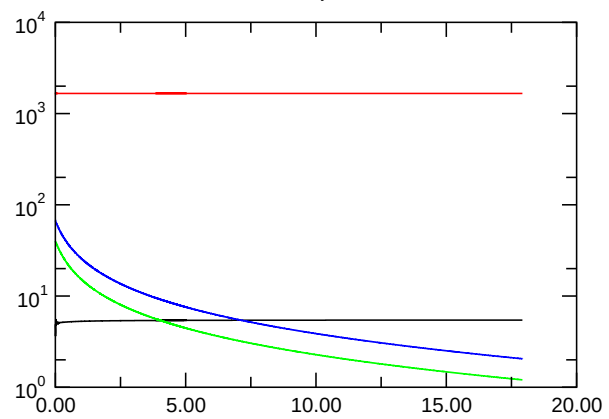
April 21, 2016



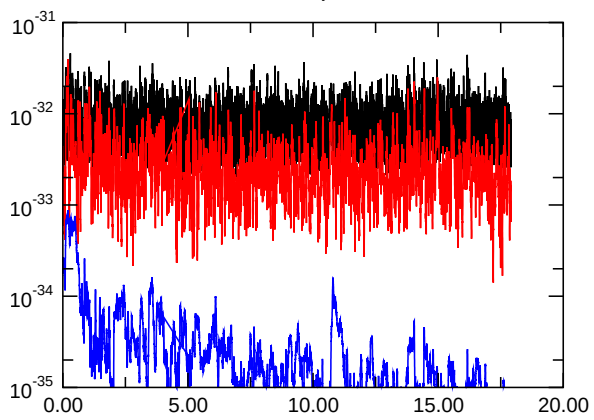
a.e03p1t03r-50000m1n2N2z4.62e4Yb
 E_{kin}



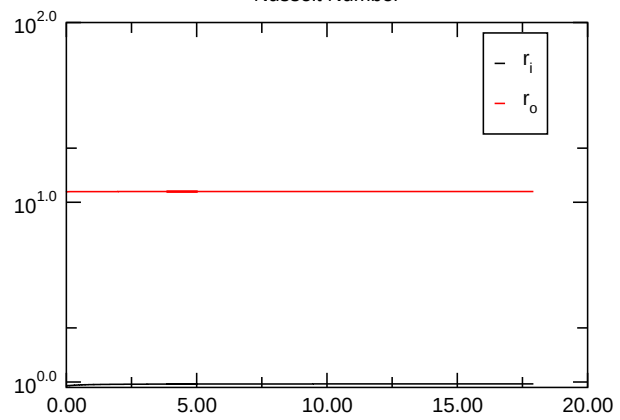
$E_{\text{kin,symm.}}$



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

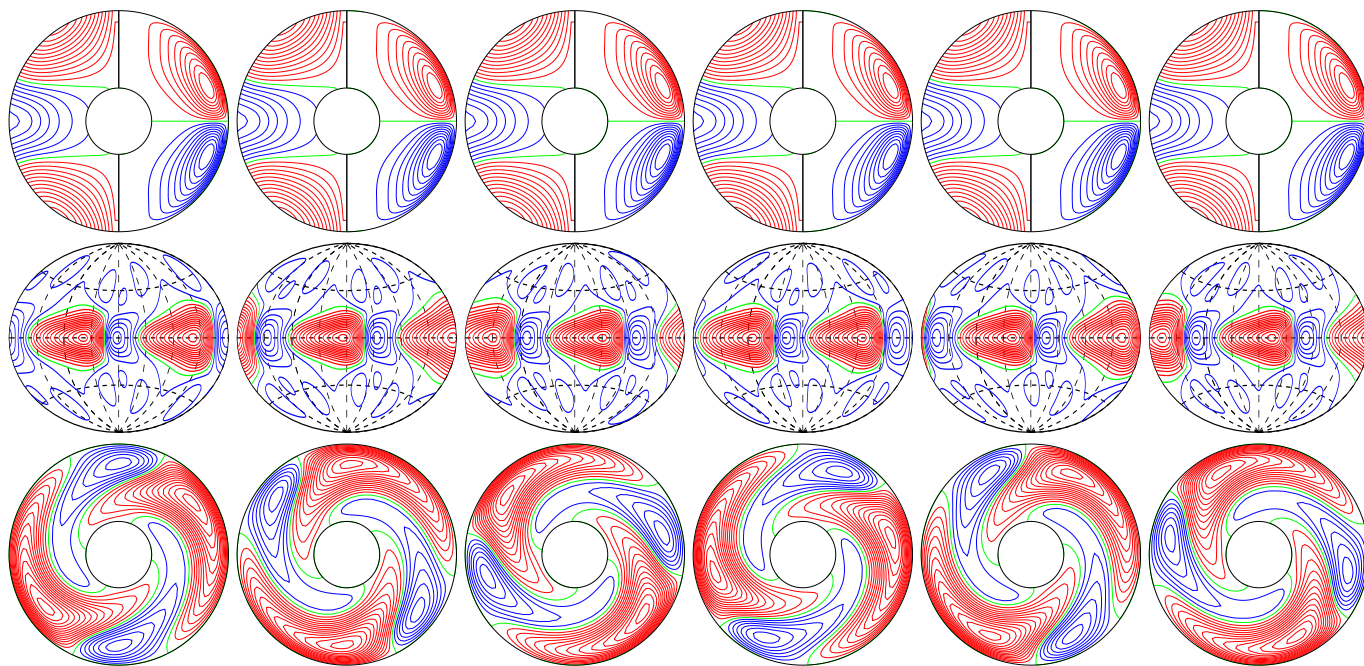


Nusselt Number

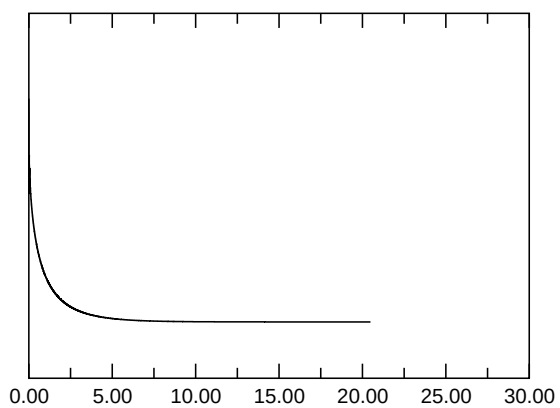


a.e03p1t03r-50000m1n2N2z4.64e4Yb.17
times: 14.08001 15.36001 16.64001 17.92001 19.20001 20.48001

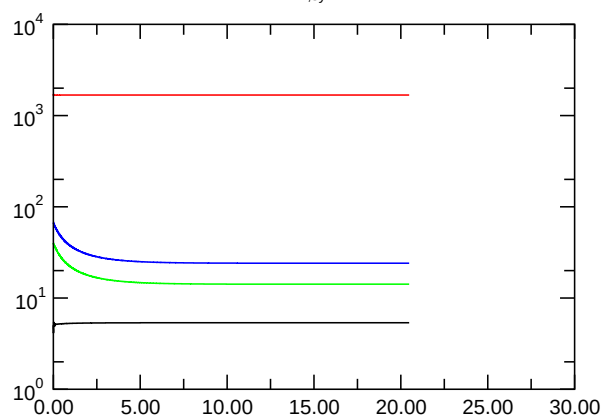
April 21, 2016



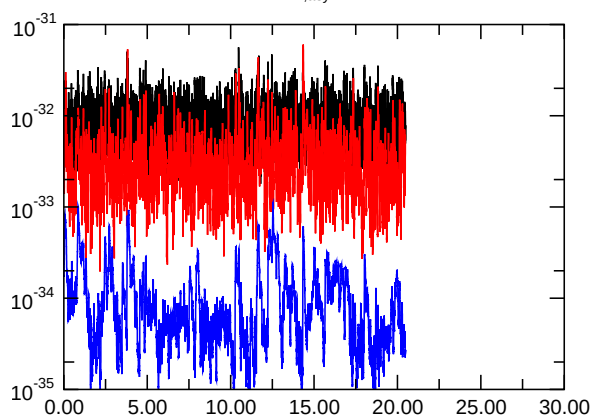
a.e03p1t03r-50000m1n2N2z4.64e4Yb
 E_{kin}



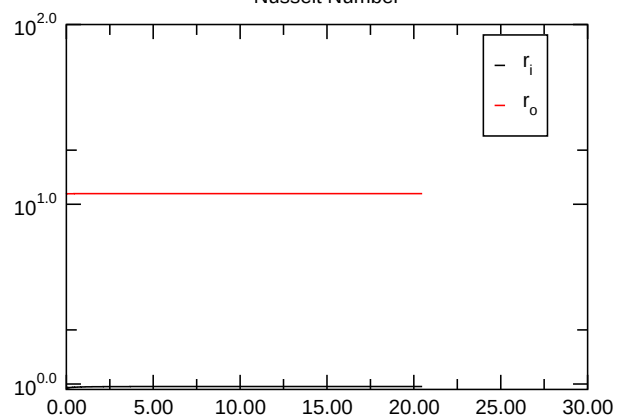
$E_{\text{kin,symm.}}$



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

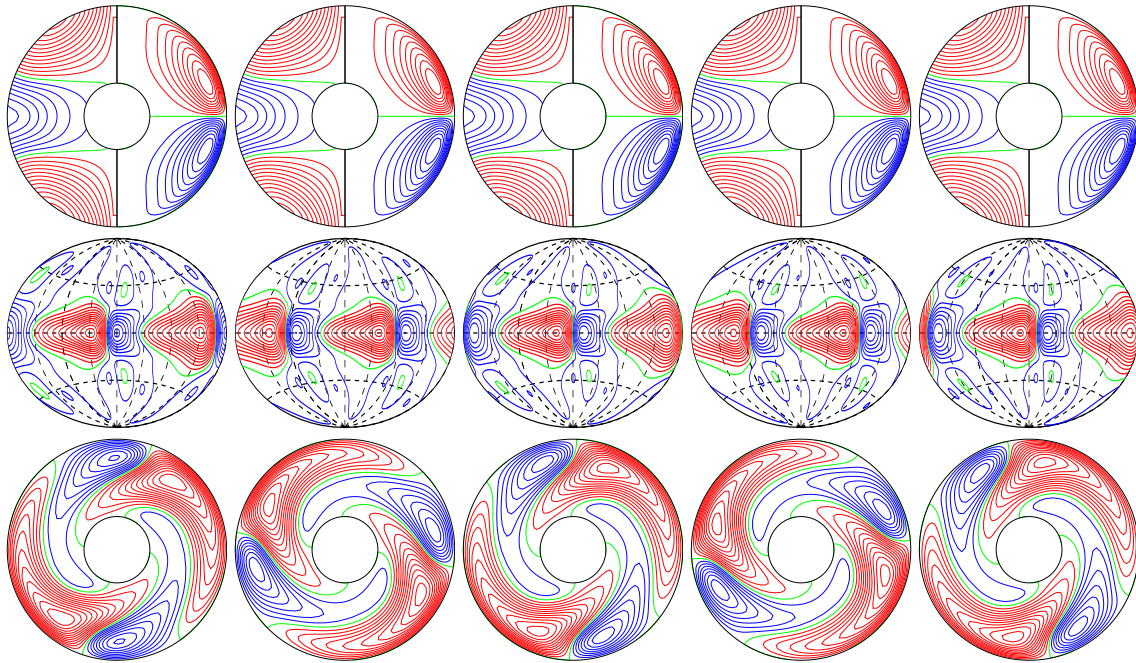


Nusselt Number

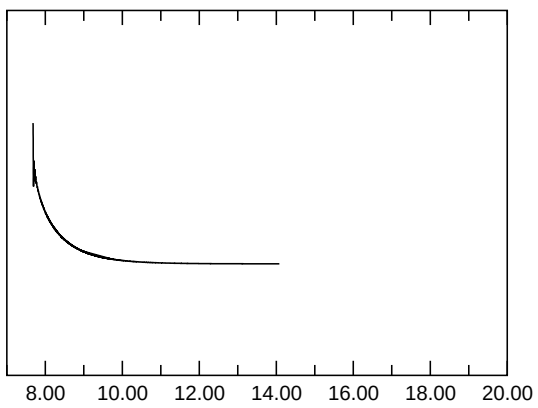


a.e03p1t03r-50000m1n2N2z4.66e4Yb.6
times: 8.960007 10.24001 11.52001 12.80001 14.08001

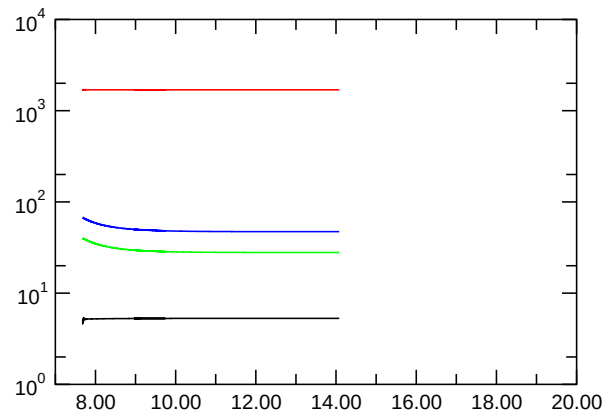
April 21, 2016



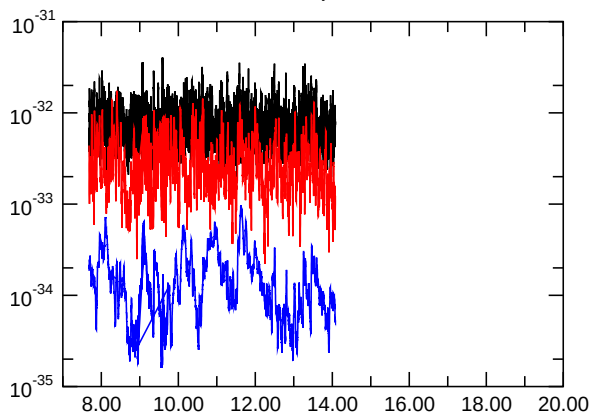
a.e03p1t03r-50000m1n2N2z4.66e4Yb
 E_{kin}



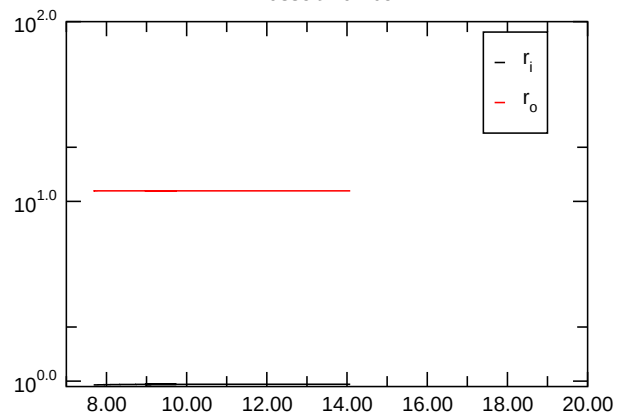
$E_{\text{kin,symm.}}$



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

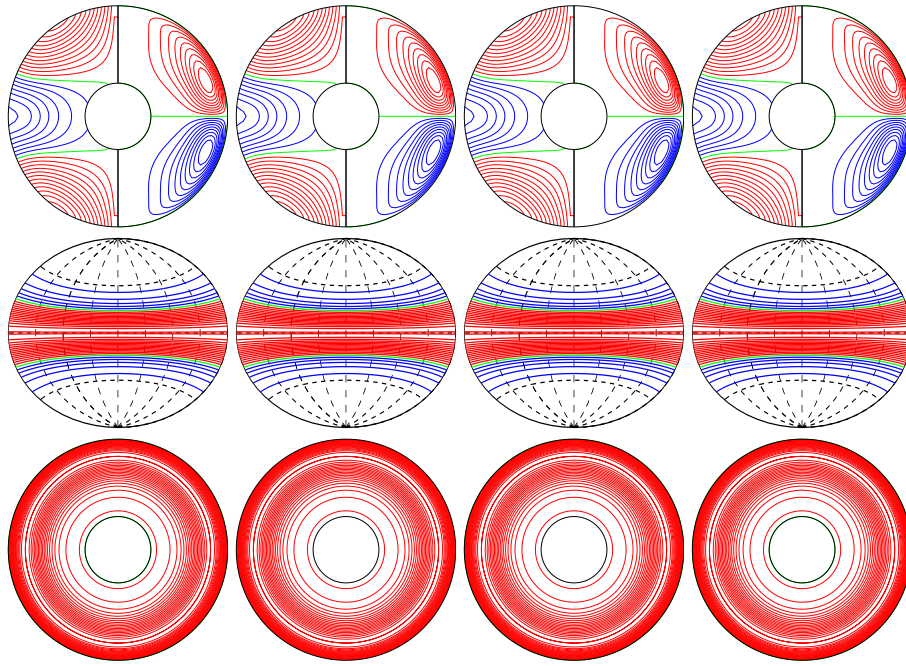


Nusselt Number

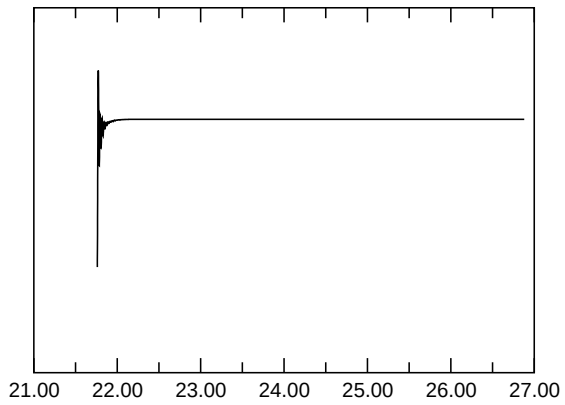


a.e03p1t03r-50000m1n2N2z4.66e4Ybb.5
times: 23.04001 24.32001 25.60001 26.88001

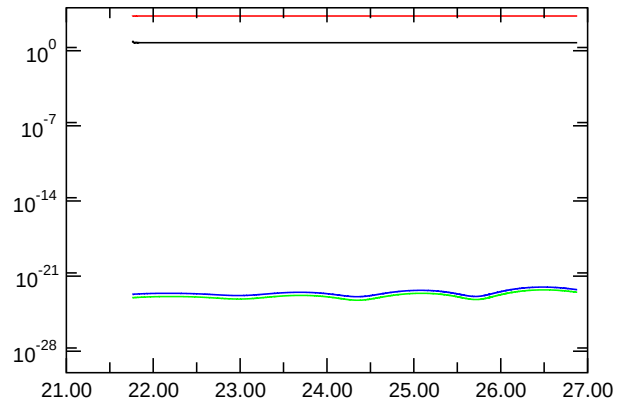
April 21, 2016



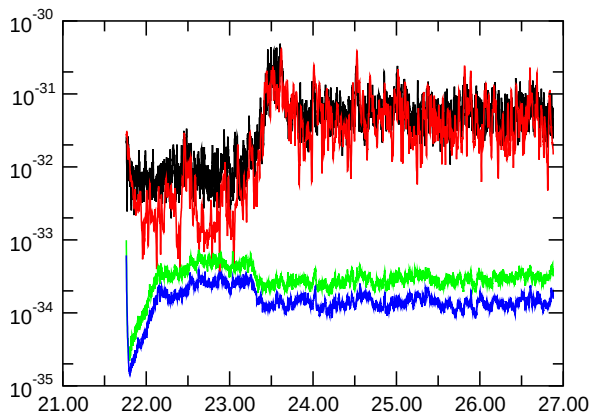
a.e03p1t03r-50000m1n2N2z4.66e4Ybb
 E_{kin}



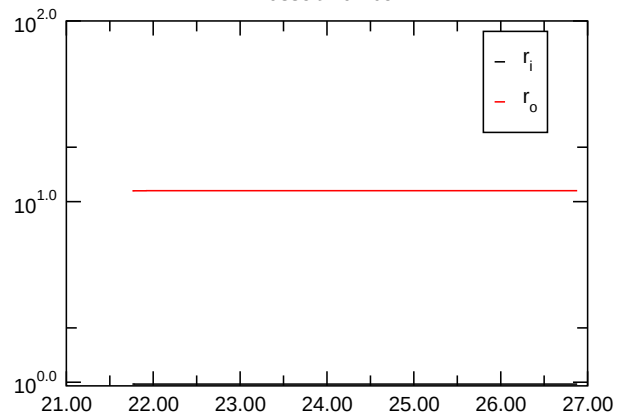
$E_{\text{kin, symm.}}$



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

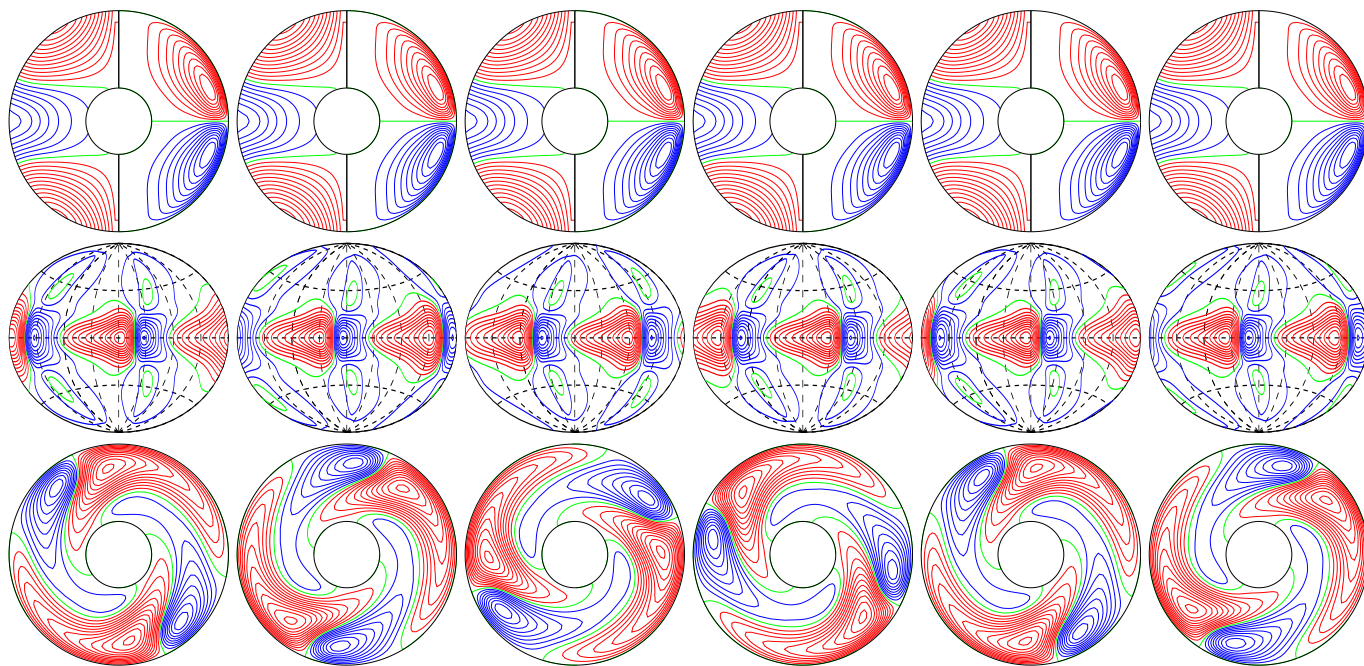


Nusselt Number

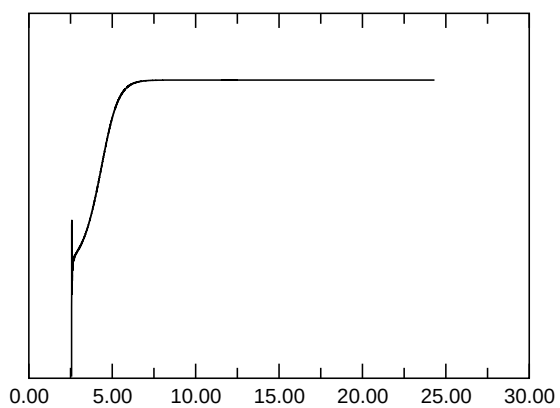


a.e03p1t03r-50000m1n2N2z4.68e4Yb.18
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

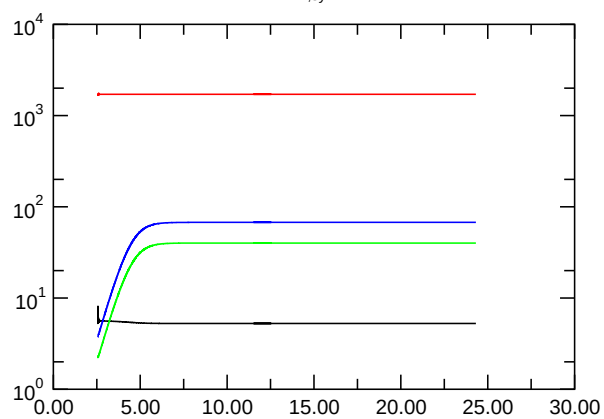
April 21, 2016



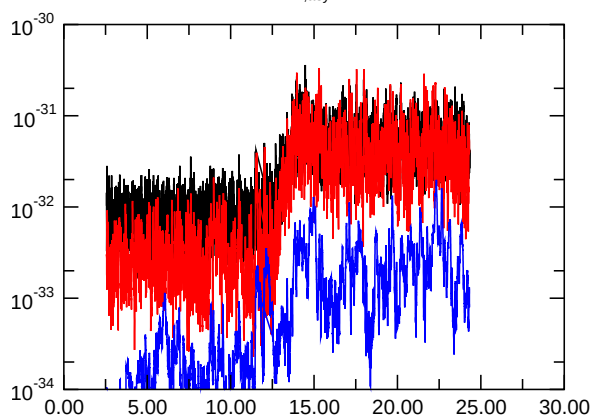
a.e03p1t03r-50000m1n2N2z4.68e4Yb
 E_{kin}



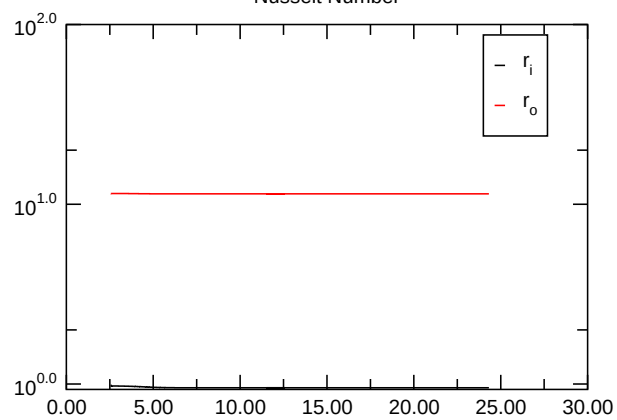
$E_{\text{kin,symm.}}$



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



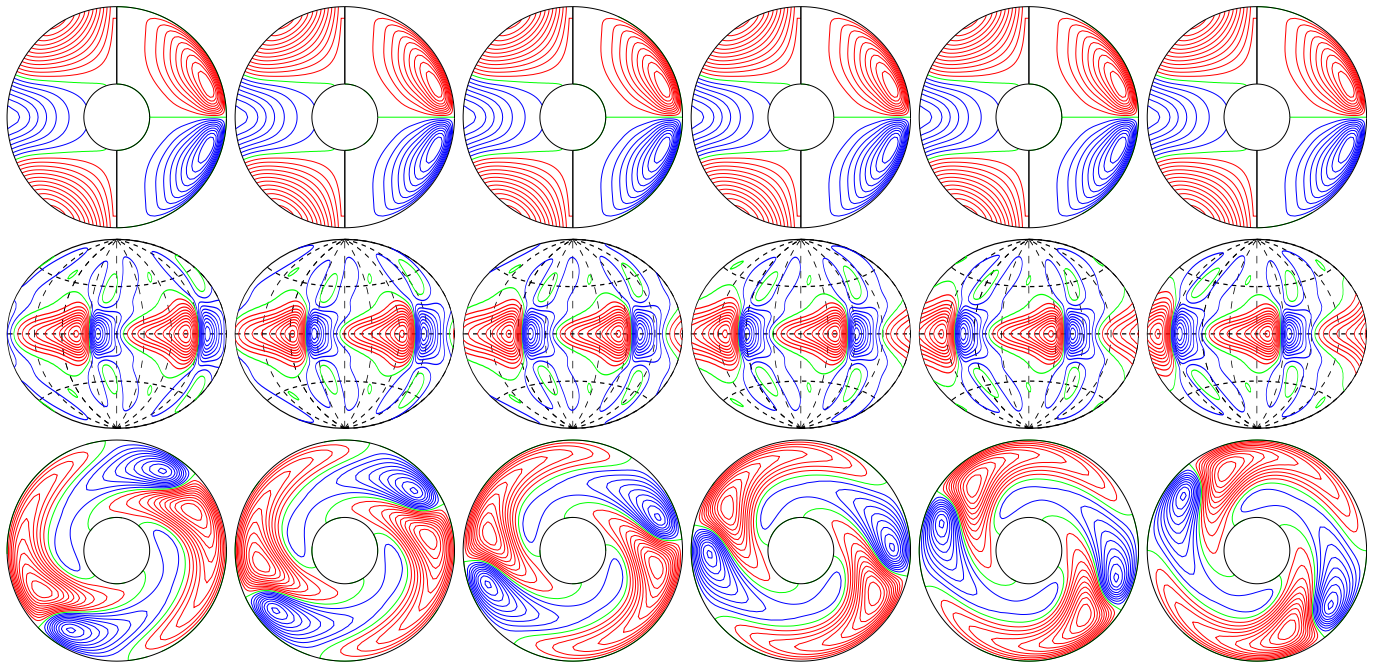
Nusselt Number



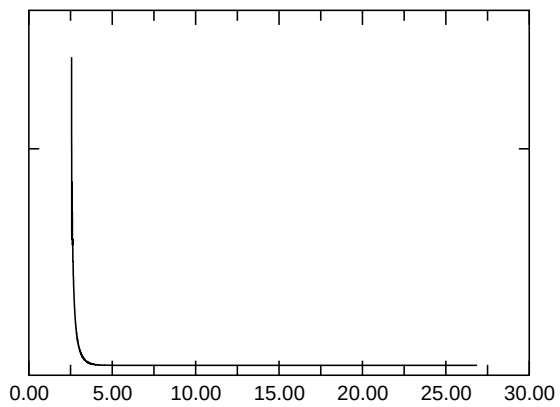
a.e03p1t03r-50000m1n2N2z4.7e4Ya.20

times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

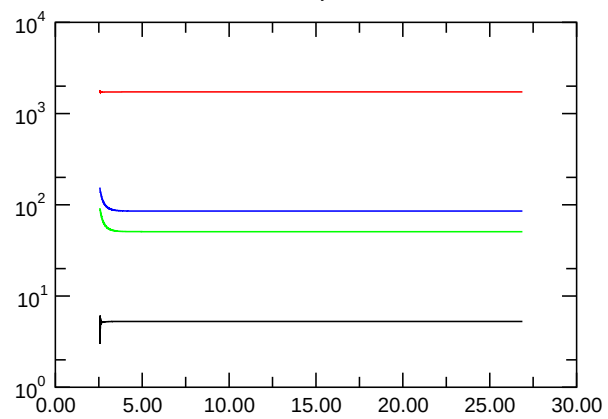
April 21, 2016



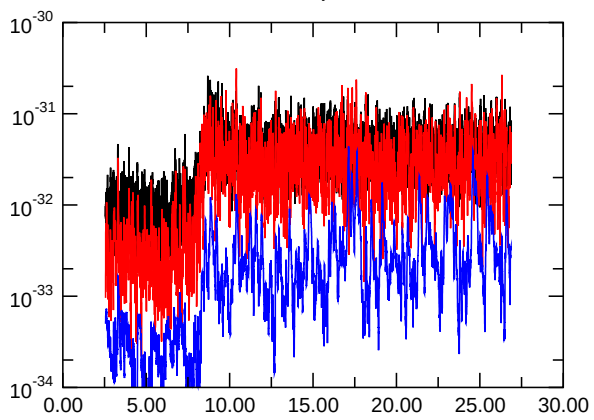
a.e03p1t03r-50000m1n2N2z4.7e4Ya
 E_{kin}



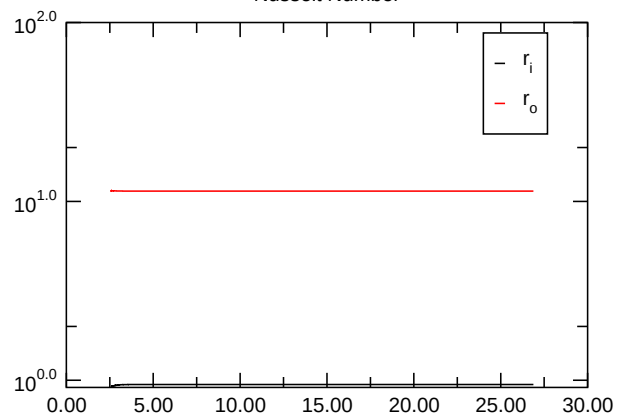
$E_{\text{kin,symm.}}$



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



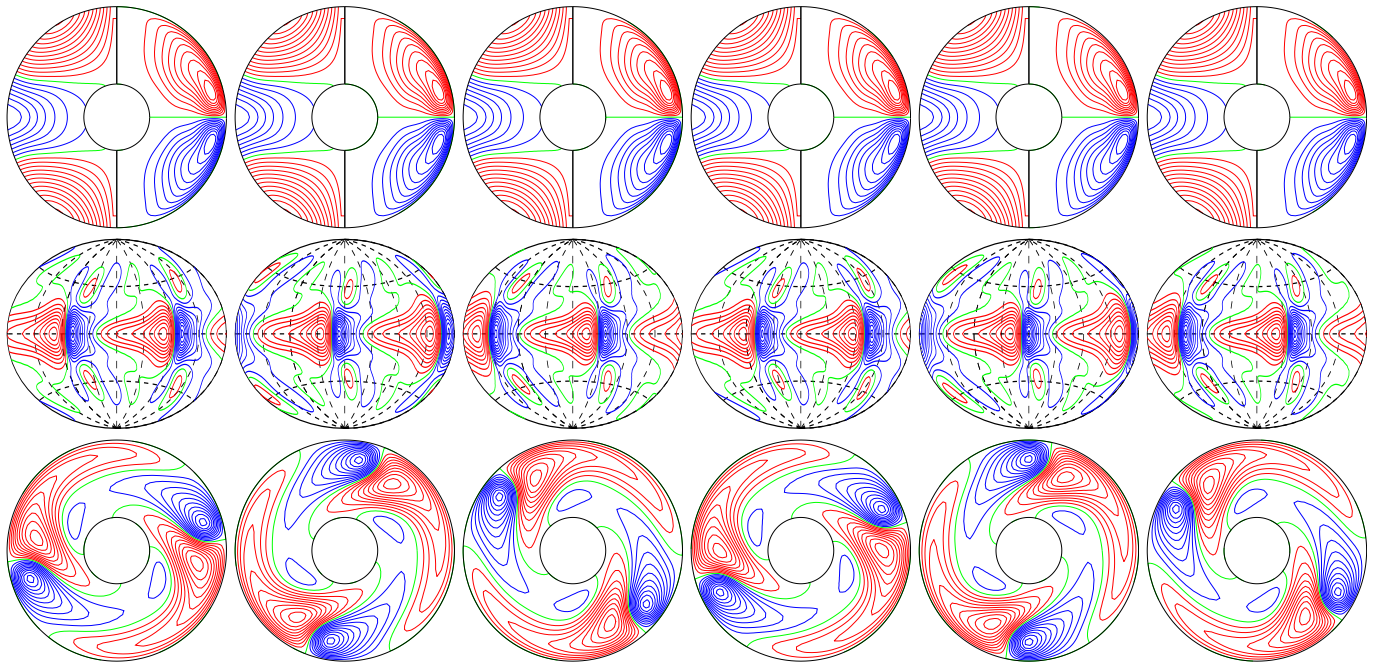
Nusselt Number



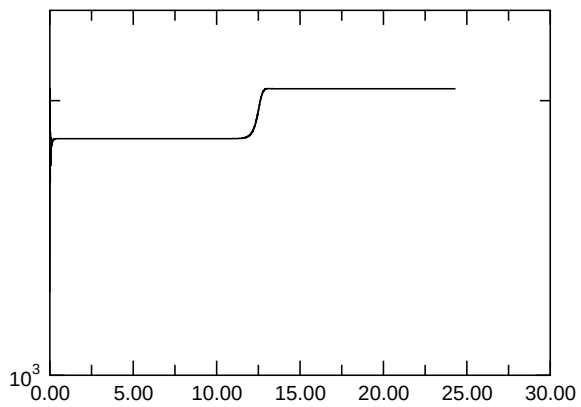
a.e03p1t03r-50000m1n2N2z4.8e4Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

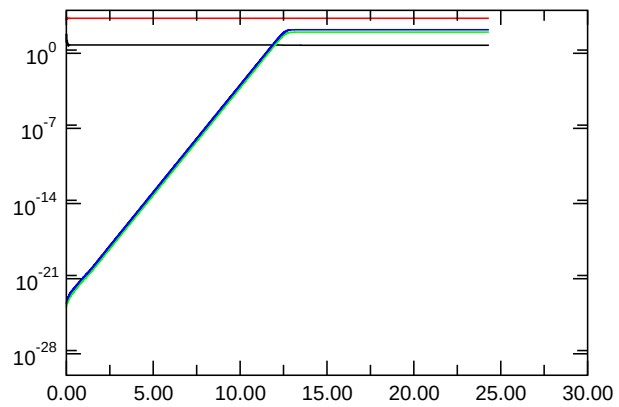
April 21, 2016



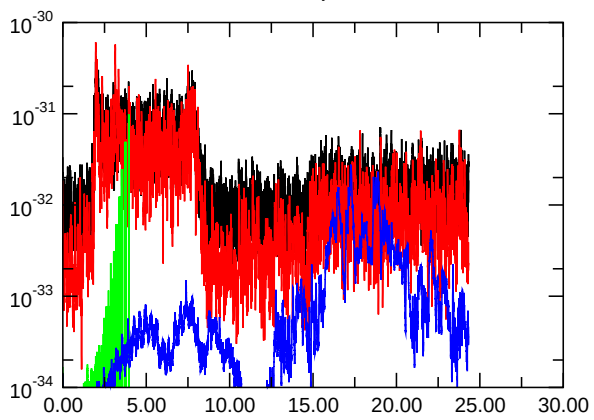
a.e03p1t03r-50000m1n2N2z4.8e4Y
 E_{kin}



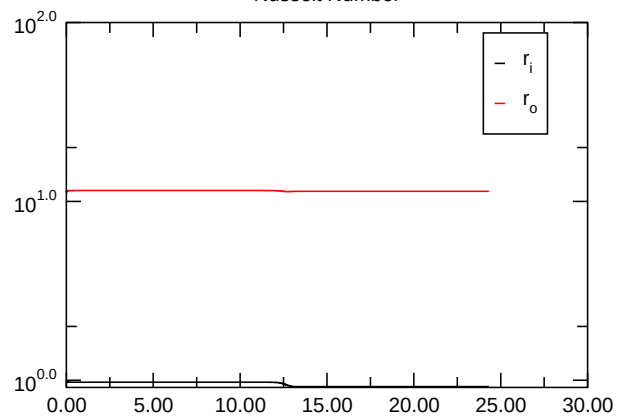
$E_{kin,symm.}$



$E_{kin,asymm.}$

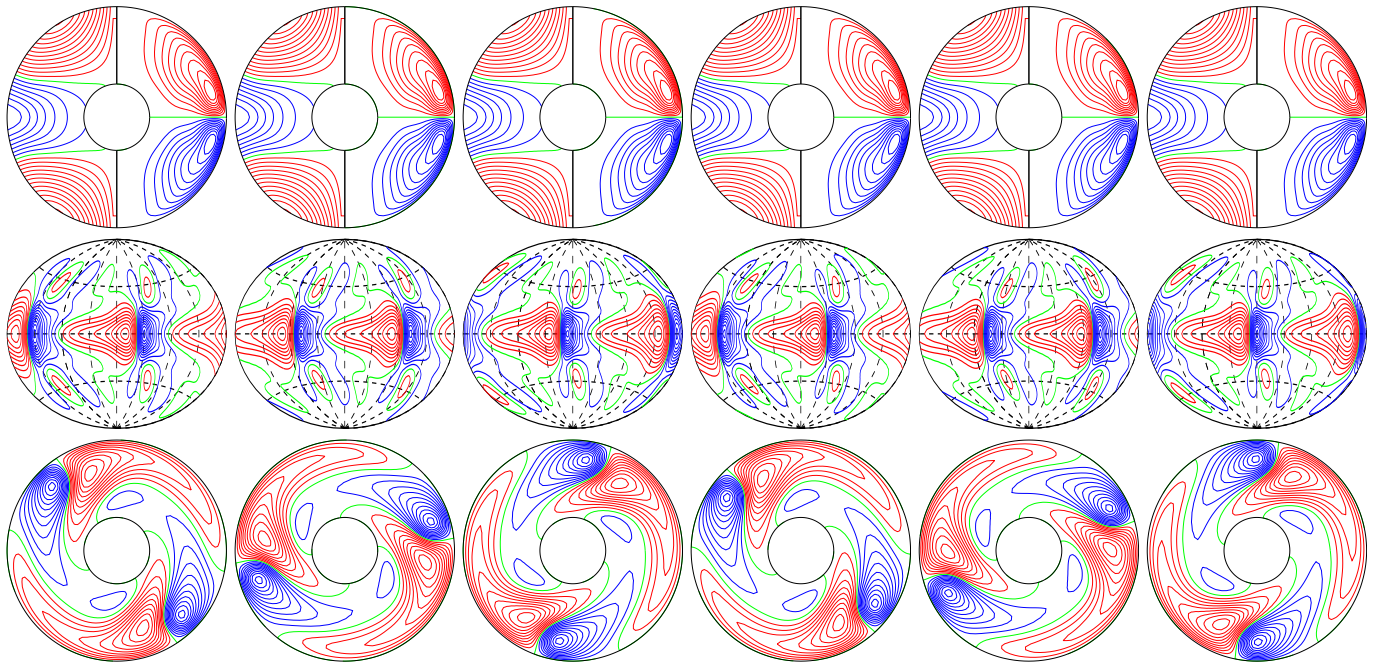


Nusselt Number

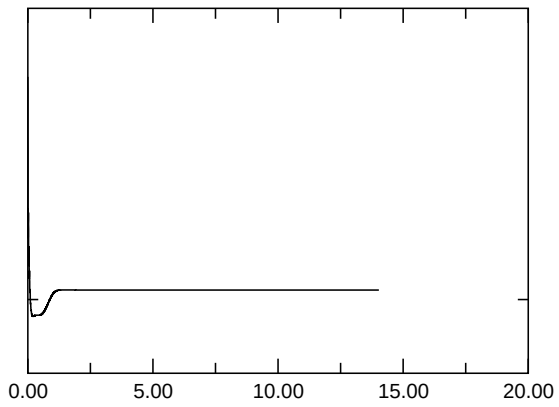


a.e03p1t03r-50000m1n2N2z4.8e4Ya.11
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

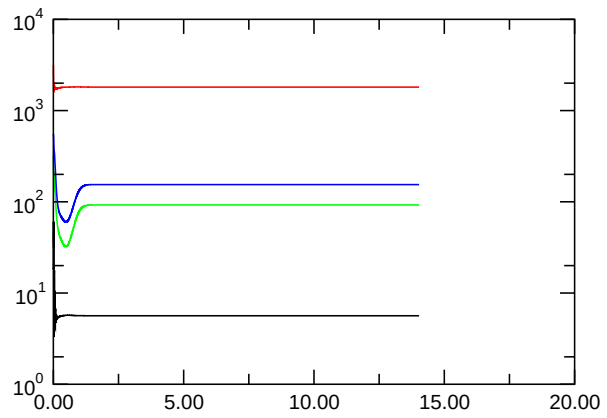
April 21, 2016



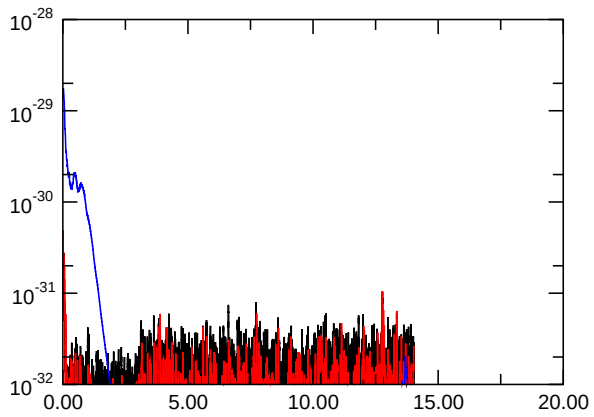
a.e03p1t03r-50000m1n2N2z4.8e4Ya
 E_{kin}



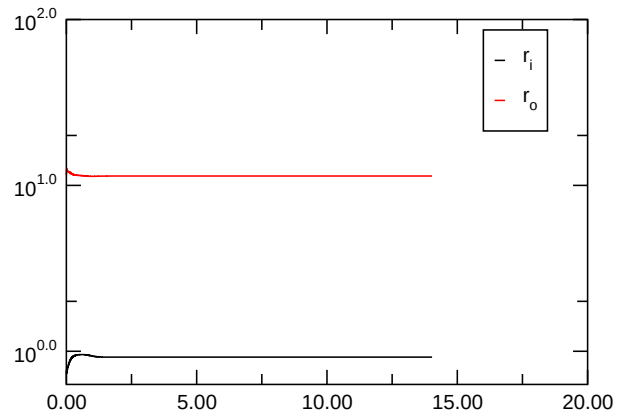
$E_{\text{kin, symm.}}$



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



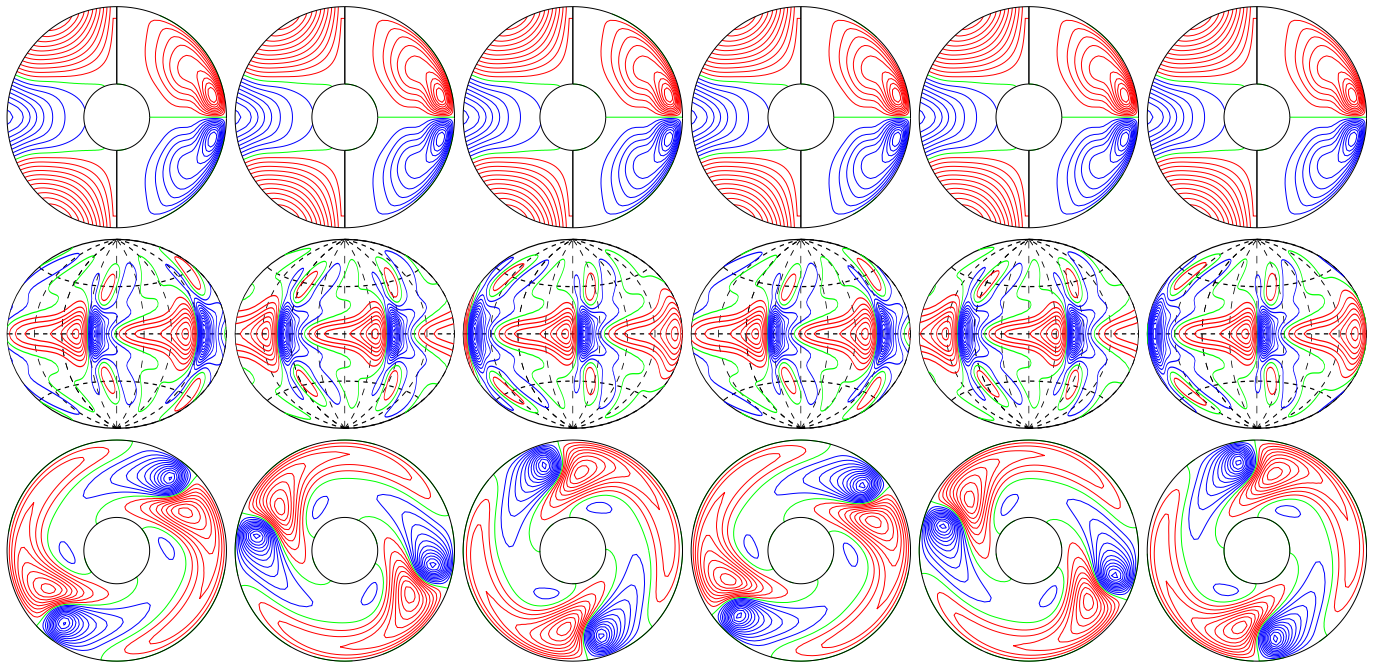
Nusselt Number



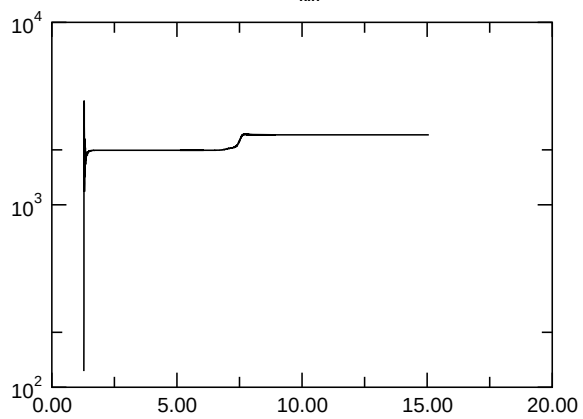
a.e03p1t03r-50000m1n2N2z5.0e4Y.11

times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

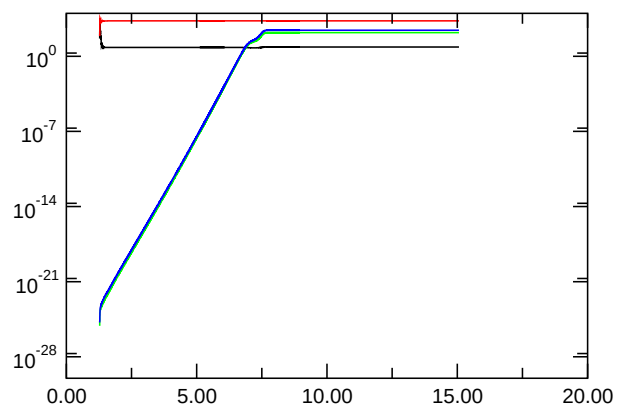
April 21, 2016



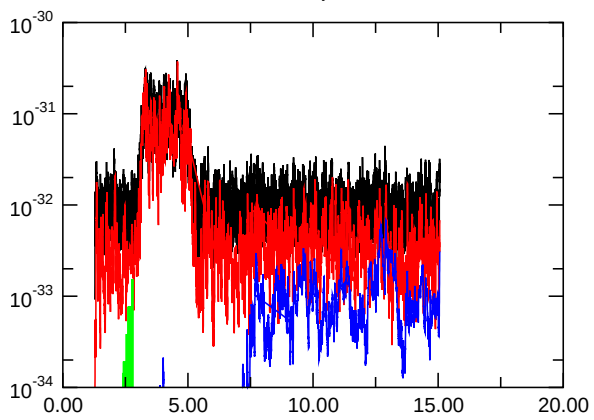
a.e03p1t03r-50000m1n2N2z5.0e4Y
 E_{kin}



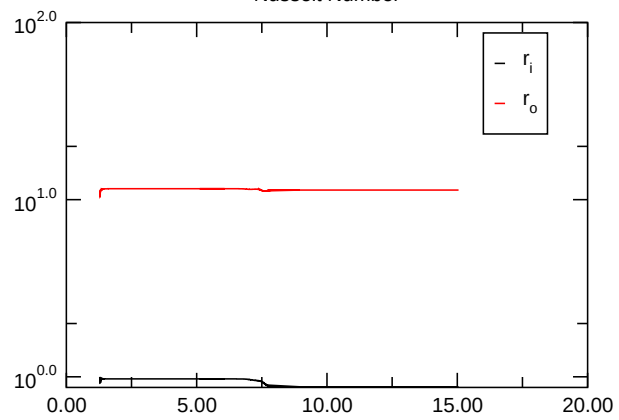
$E_{\text{kin,symm.}}$



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



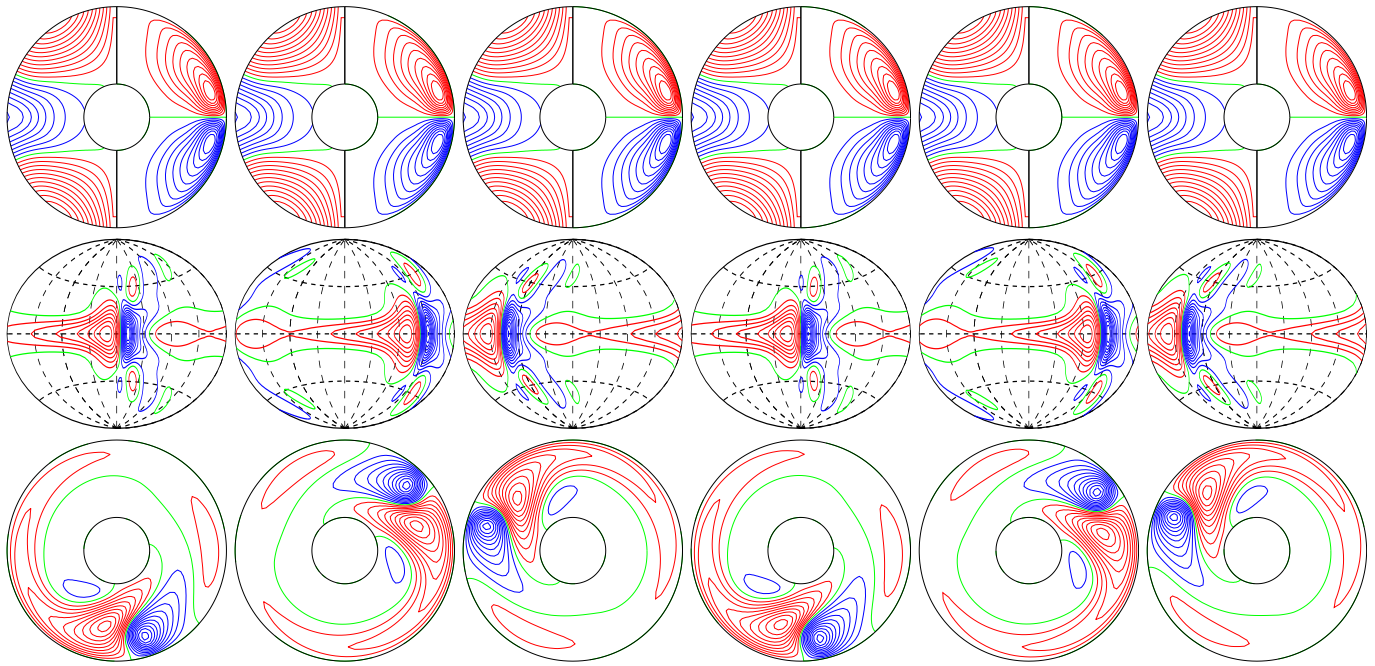
Nusselt Number



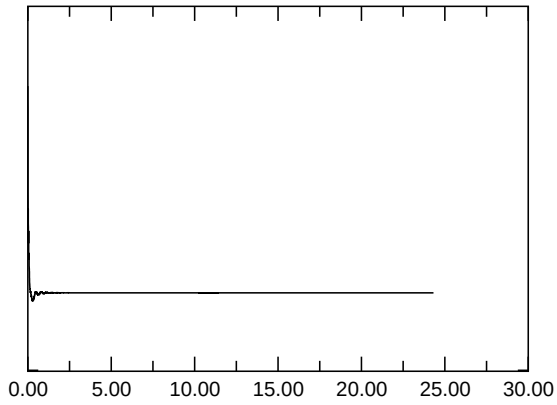
a.e03p1t03r-50000m1n2N2z5.2e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

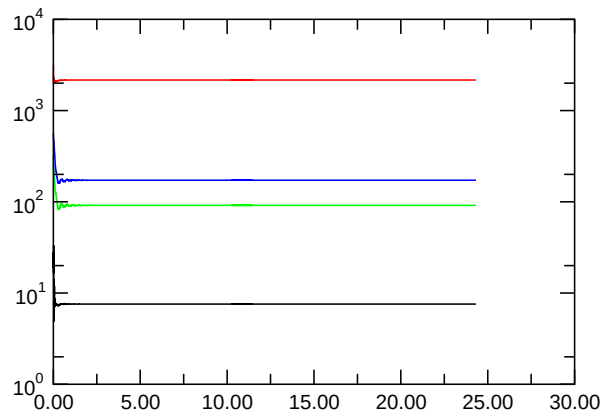
April 21, 2016



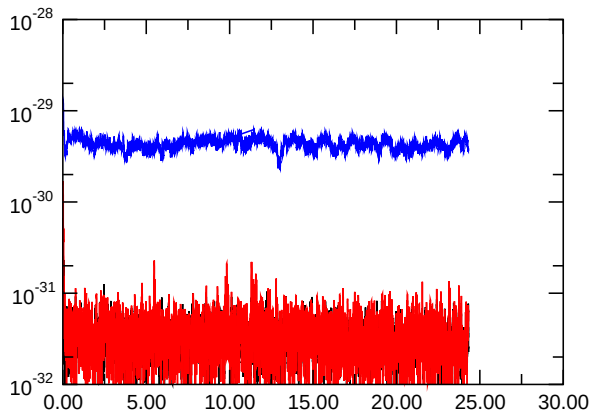
a.e03p1t03r-50000m1n2N2z5.2e4Ya
 E_{kin}



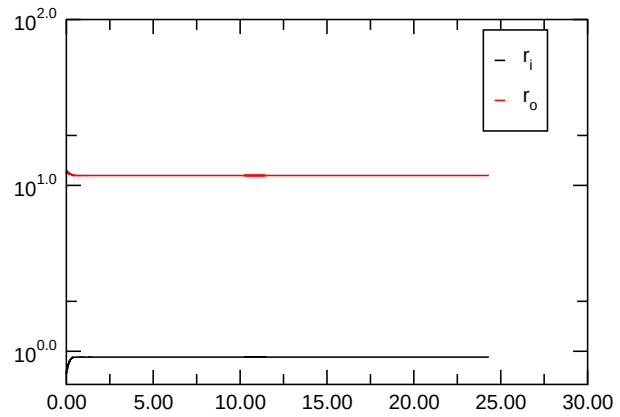
$E_{\text{kin,symm.}}$



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



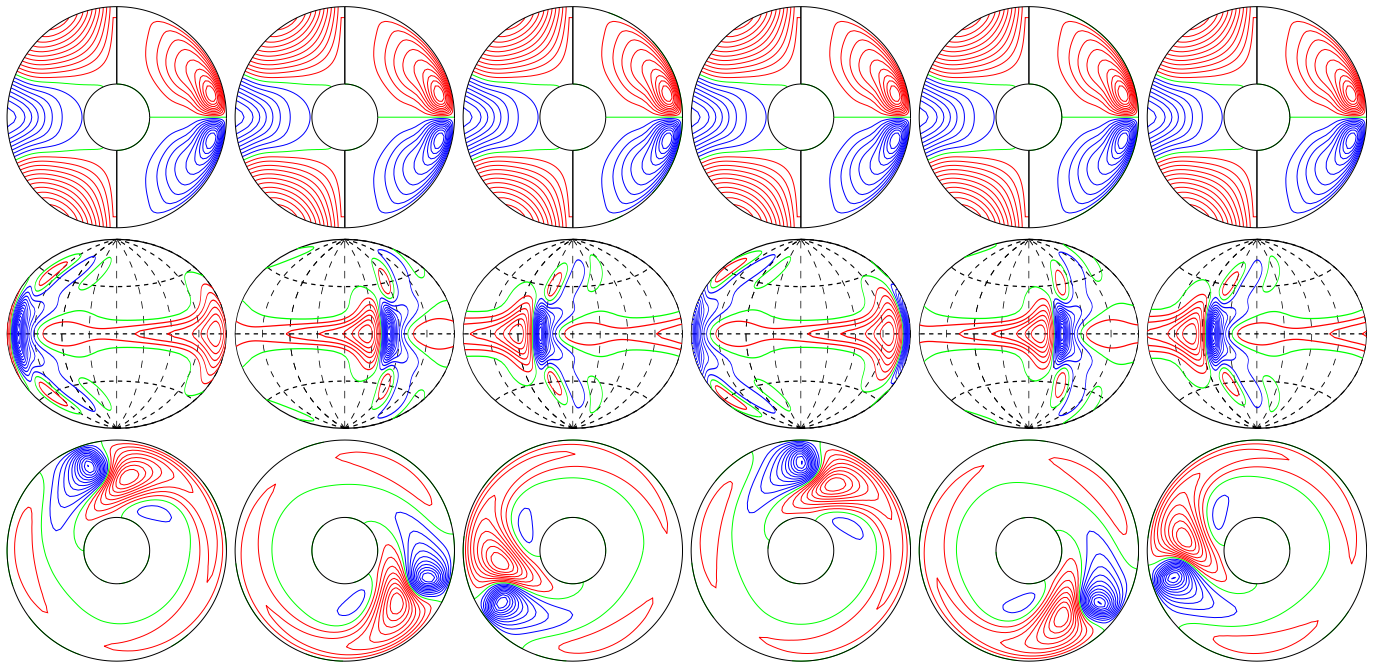
Nusselt Number



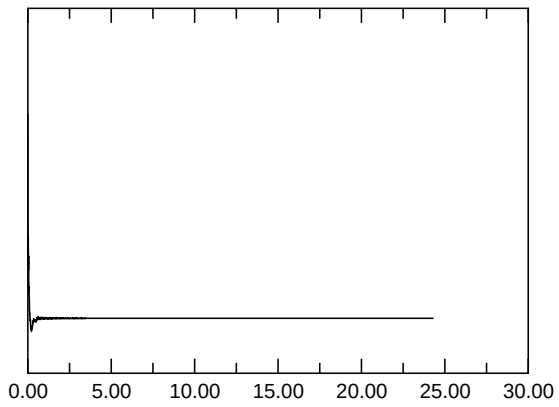
a.e03p1t03r-50000m1n2N2z5.4e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

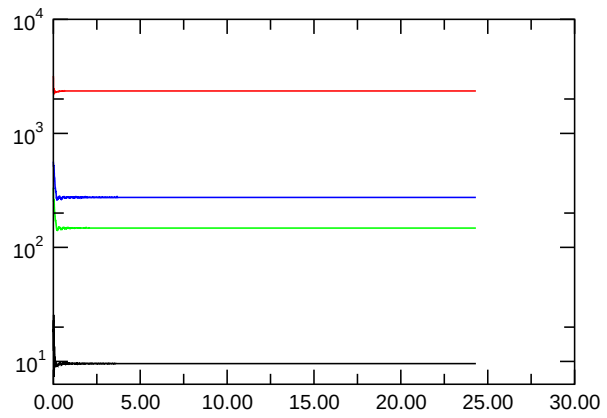
April 21, 2016



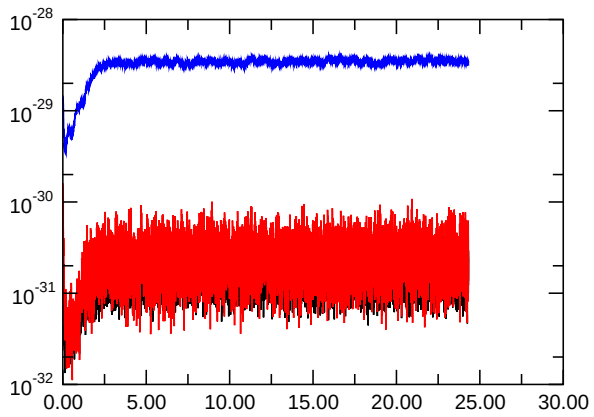
a.e03p1t03r-50000m1n2N2z5.4e4Ya
 E_{kin}



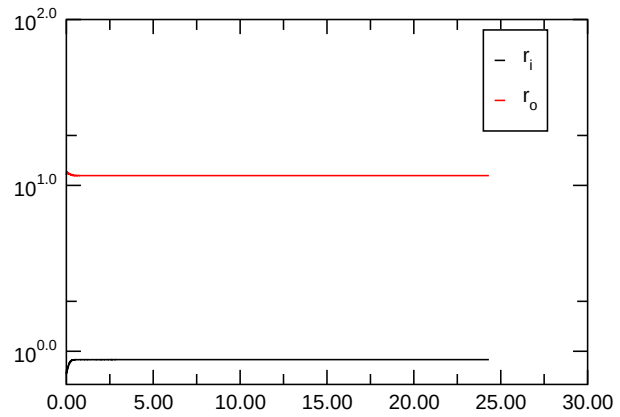
$E_{\text{kin,symm.}}$



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



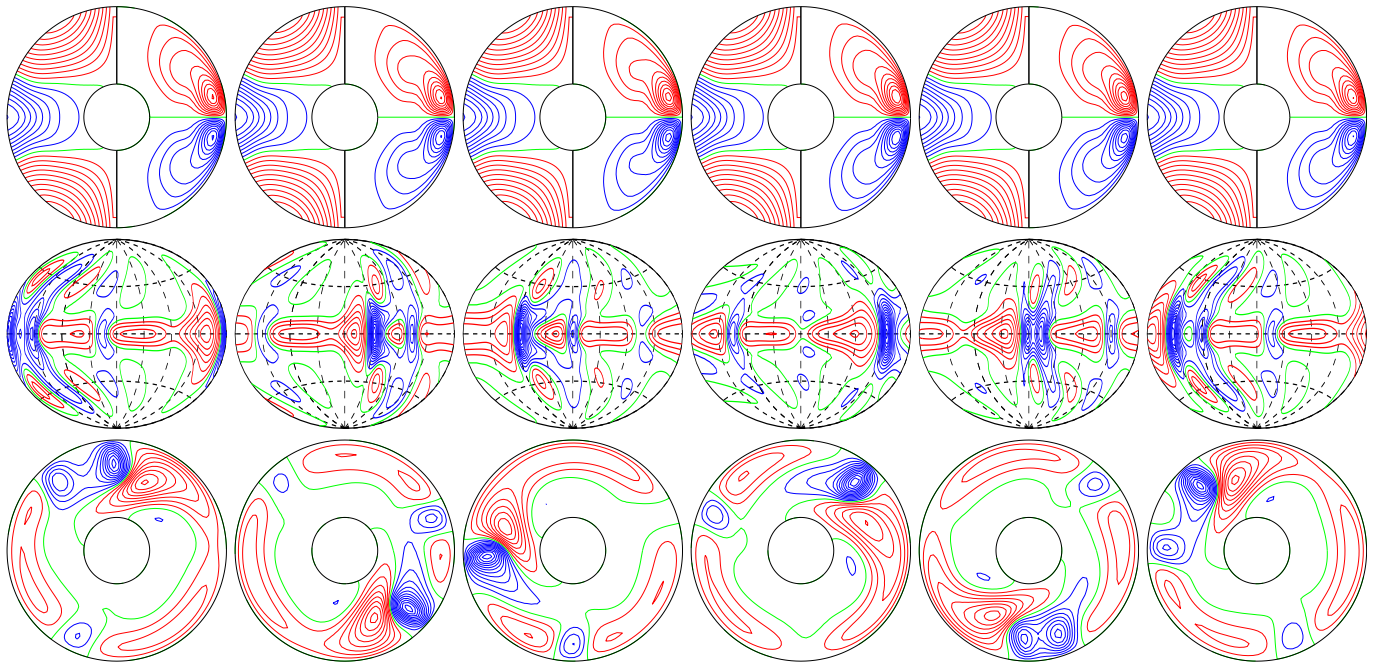
Nusselt Number



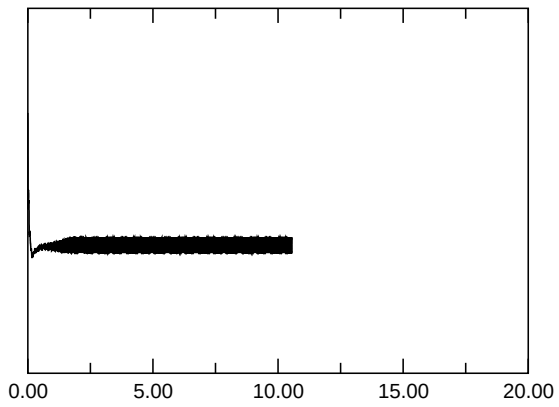
a.e03p1t03r-50000m1n2N2z5.6e4Ya.9

times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

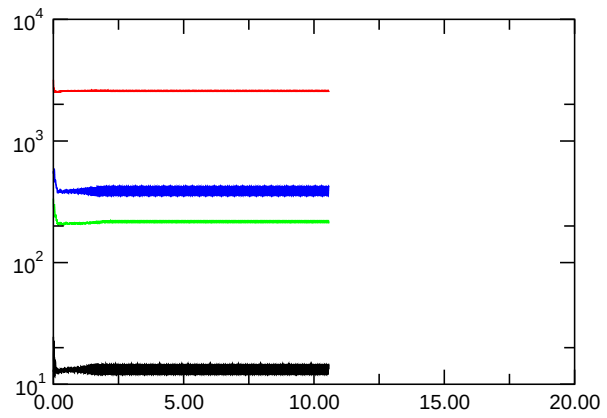
April 21, 2016



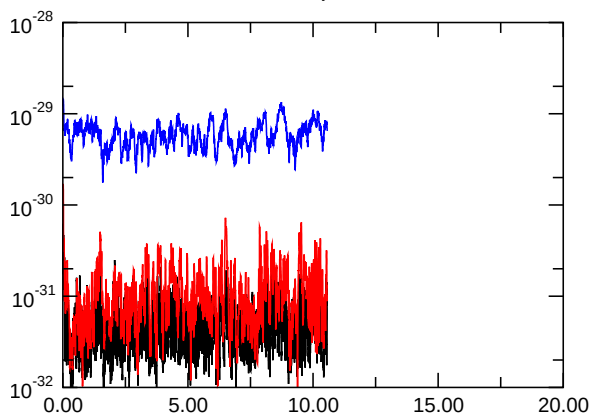
a.e03p1t03r-50000m1n2N2z5.6e4Ya
 E_{kin}



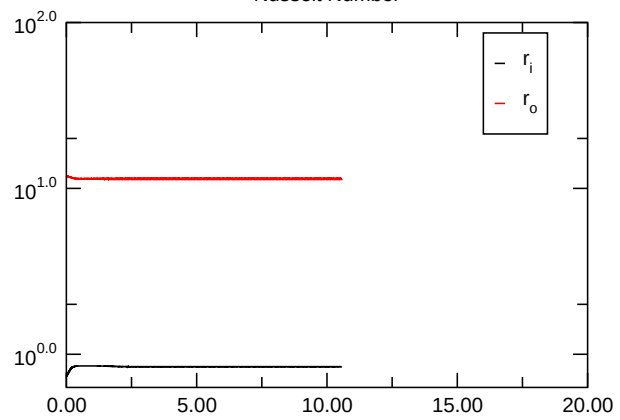
$E_{\text{kin,symm.}}$



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

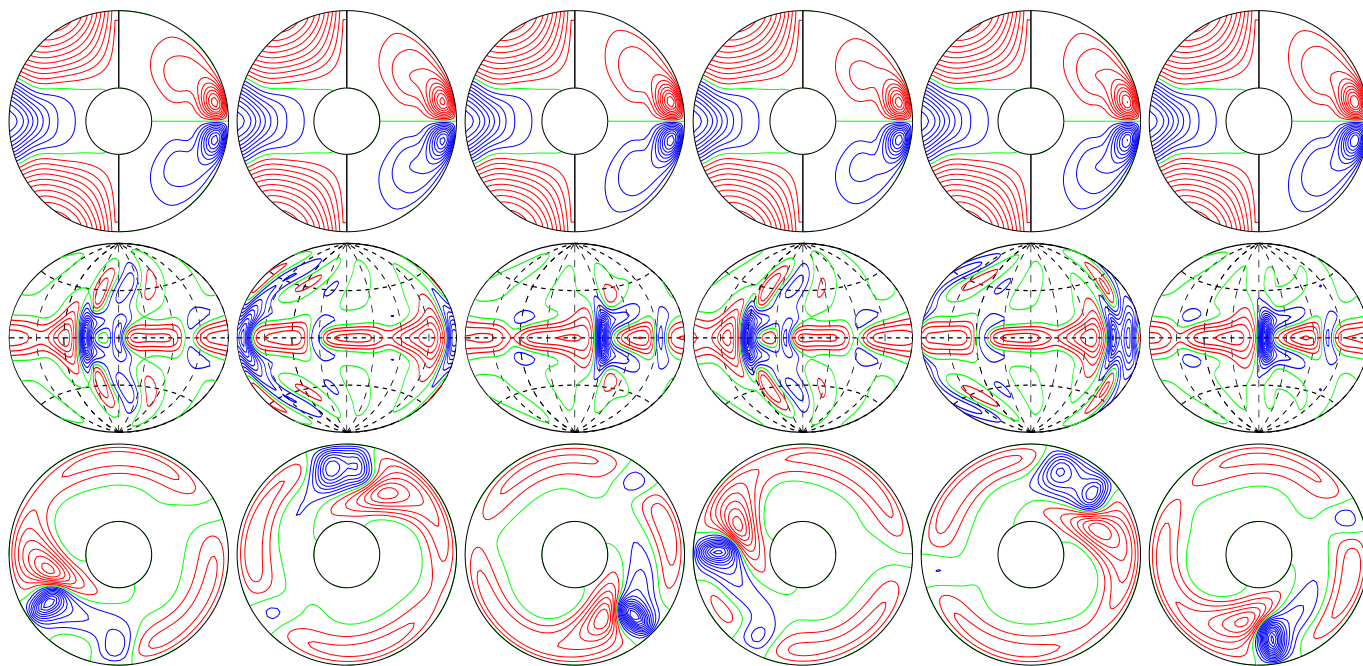


Nusselt Number

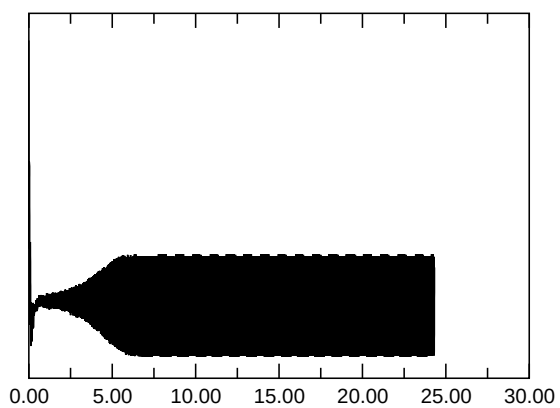


a.e03p1t03r-50000m1n2N2z5.8e4Ya.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

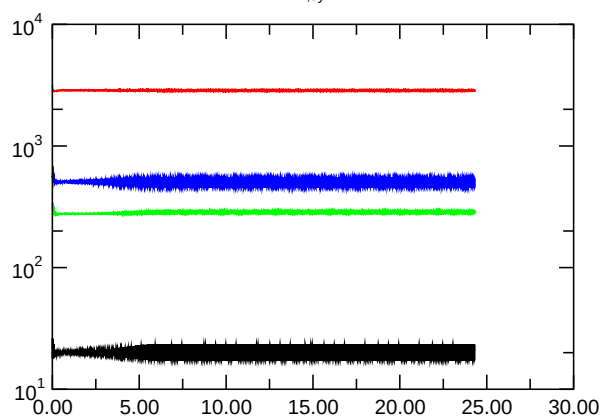
April 21, 2016



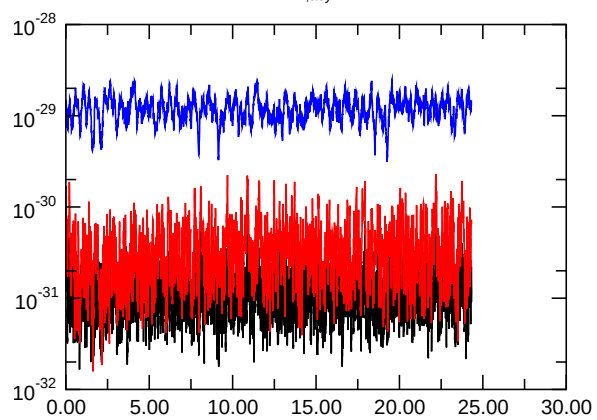
a.e03p1t03r-50000m1n2N2z5.8e4Ya
 E_{kin}



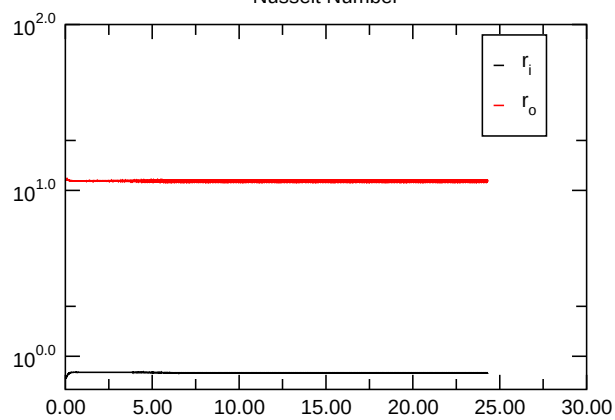
$E_{\text{kin,symm.}}$



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



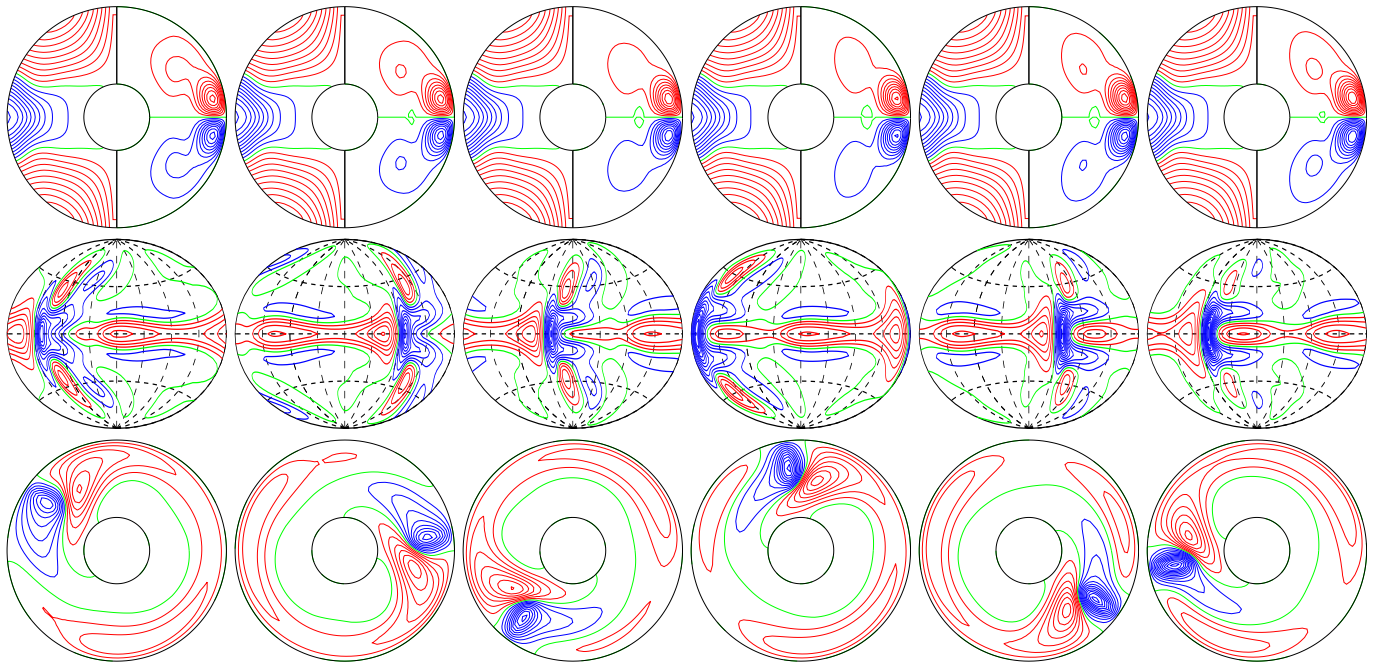
Nusselt Number



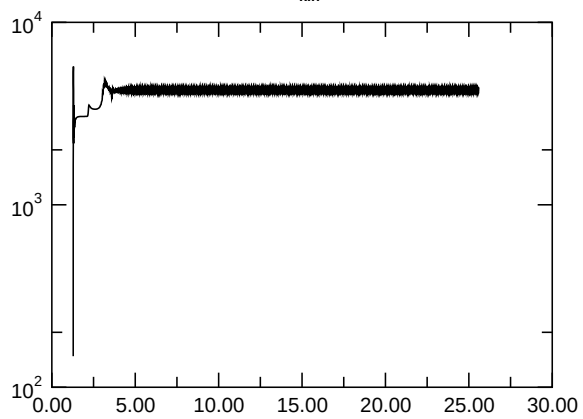
a.e03p1t03r-50000m1n2N2z6.0e4Y.20

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

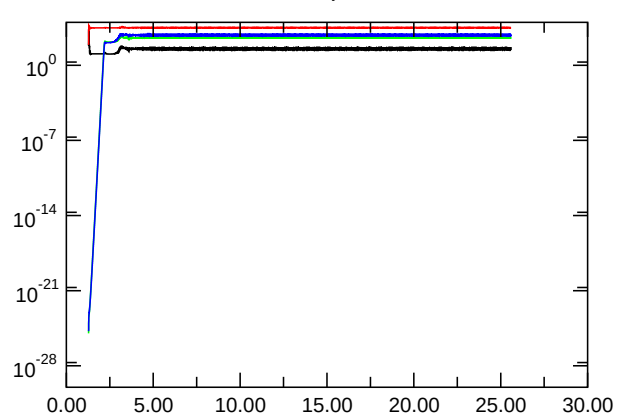
April 21, 2016



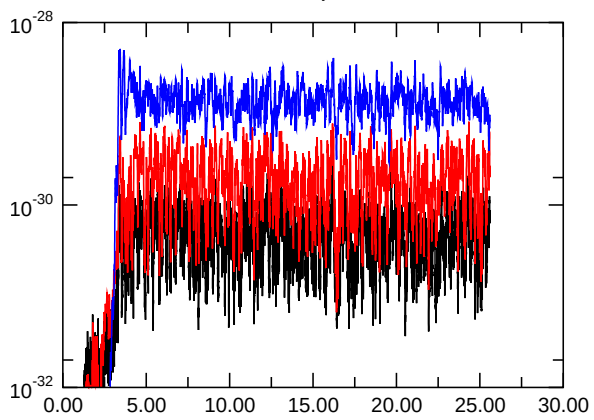
a.e03p1t03r-50000m1n2N2z6.0e4Y
 E_{kin}



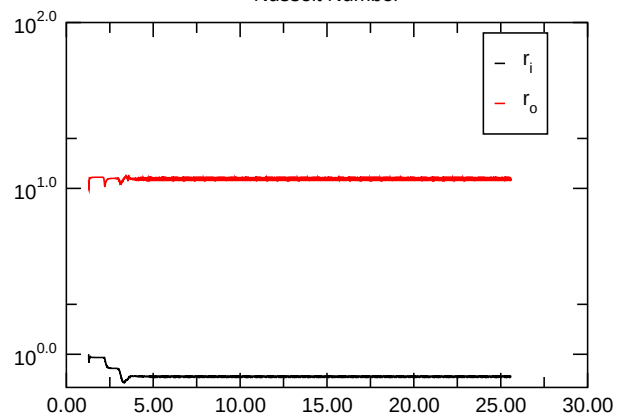
$E_{\text{kin,symm.}}$



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



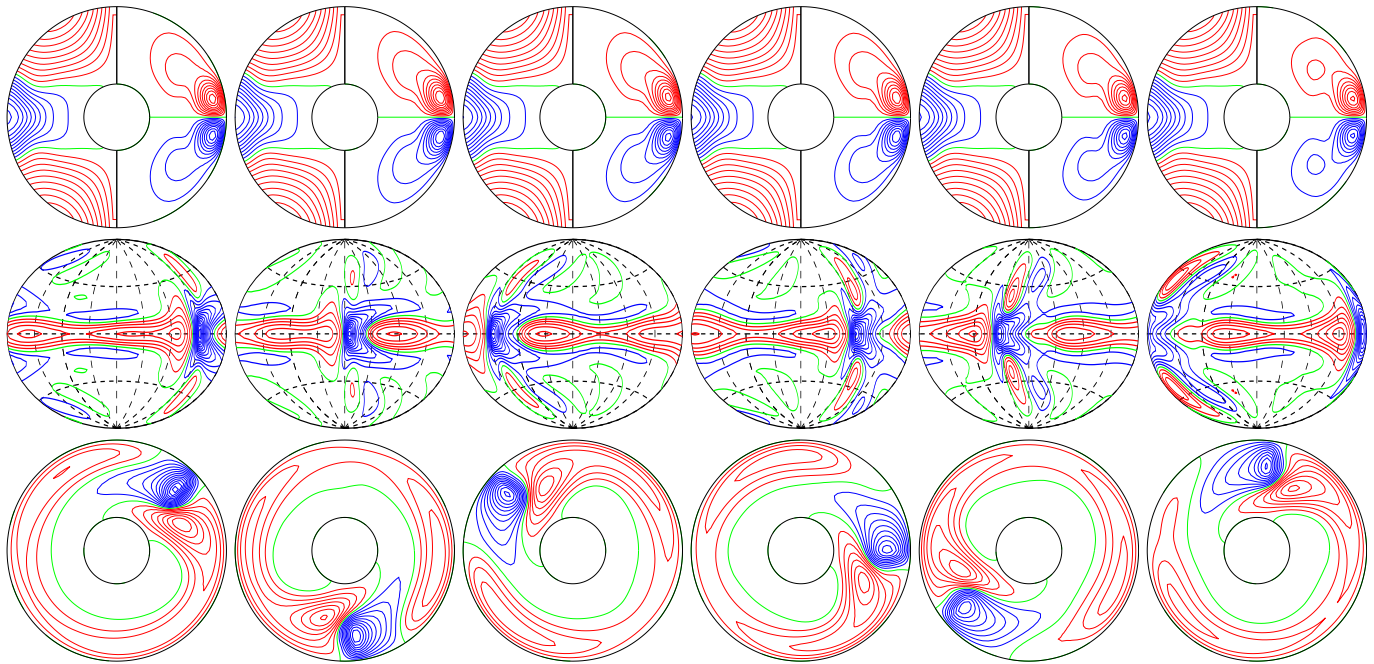
Nusselt Number



a.e03p1t03r-50000m1n2N2z6.0e4Ya.9

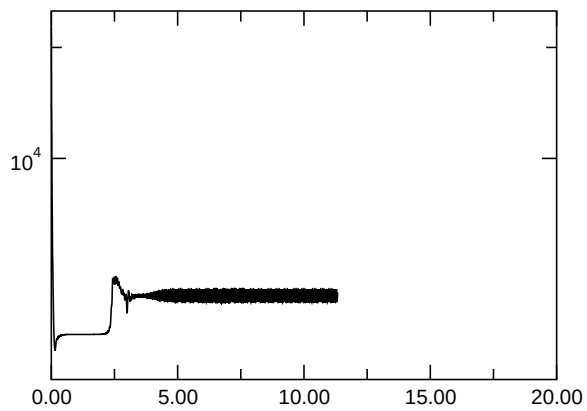
times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

April 21, 2016

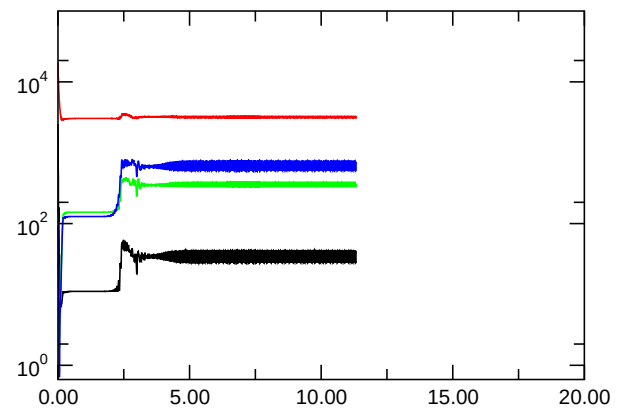


a.e03p1t03r-50000m1n2N2z6.0e4Ya

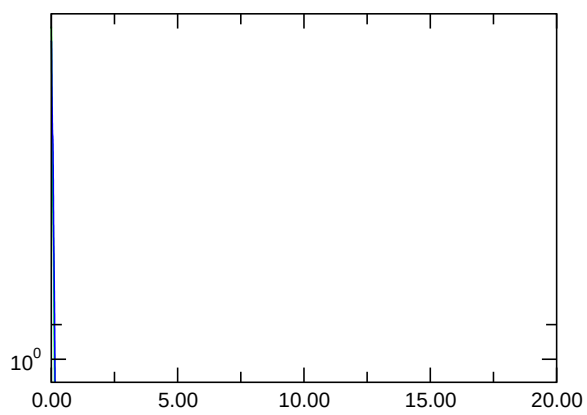
E_{kin}



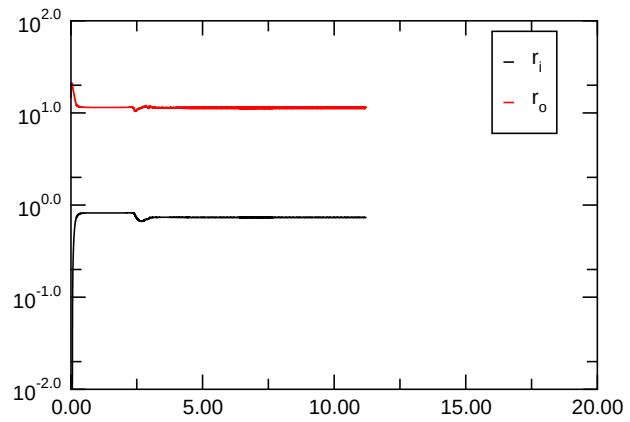
$E_{\text{kin,symm.}}$



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



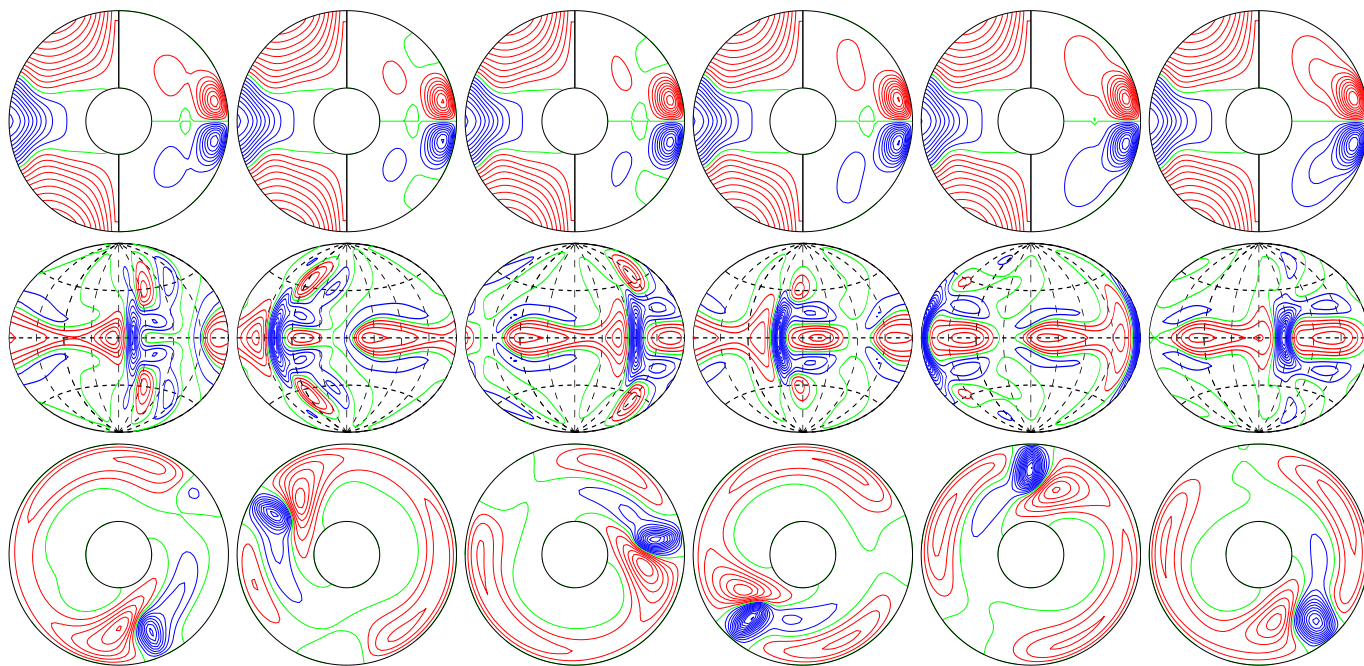
Nusselt Number



a.e03p1t03r-50000m1n2N2z6.2e4Yb.7

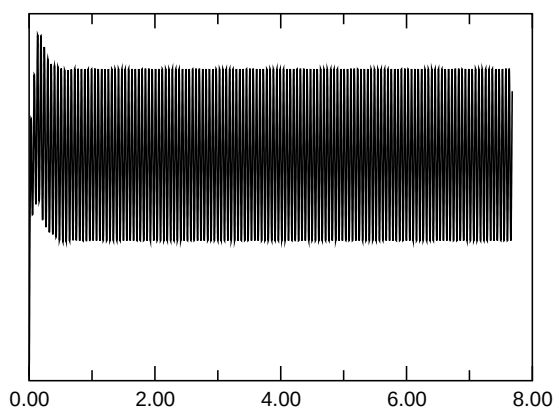
April 21, 2016

times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

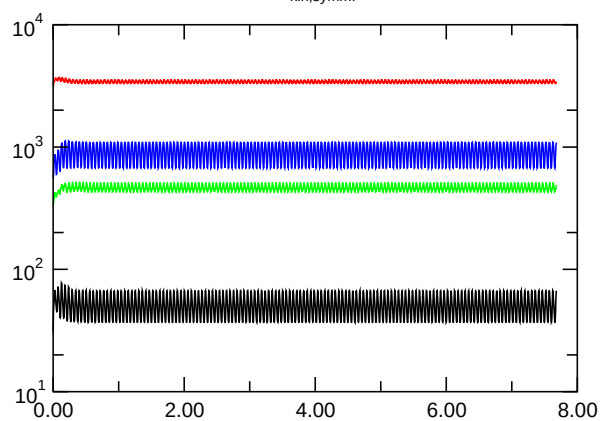


a.e03p1t03r-50000m1n2N2z6.2e4Yb

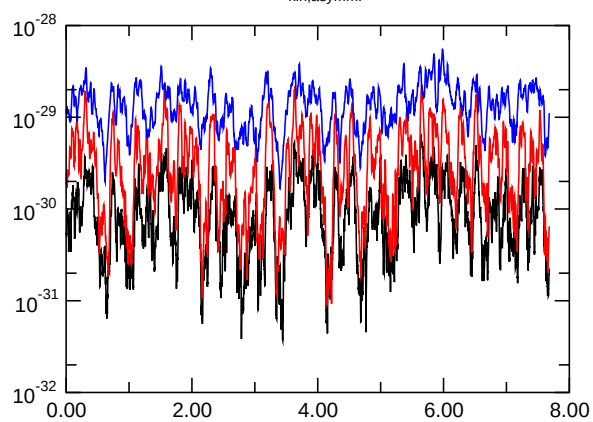
E_{kin}



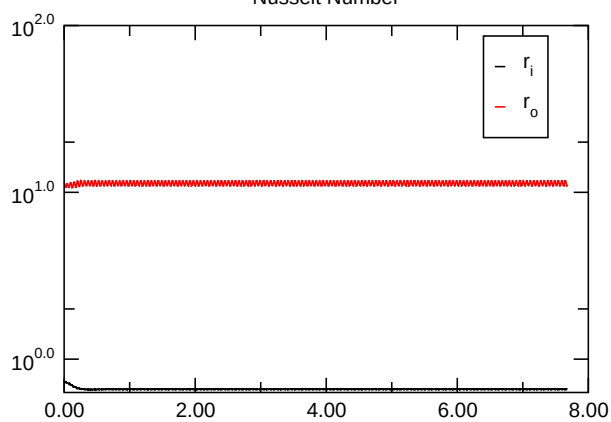
$E_{\text{kin,symm.}}$



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



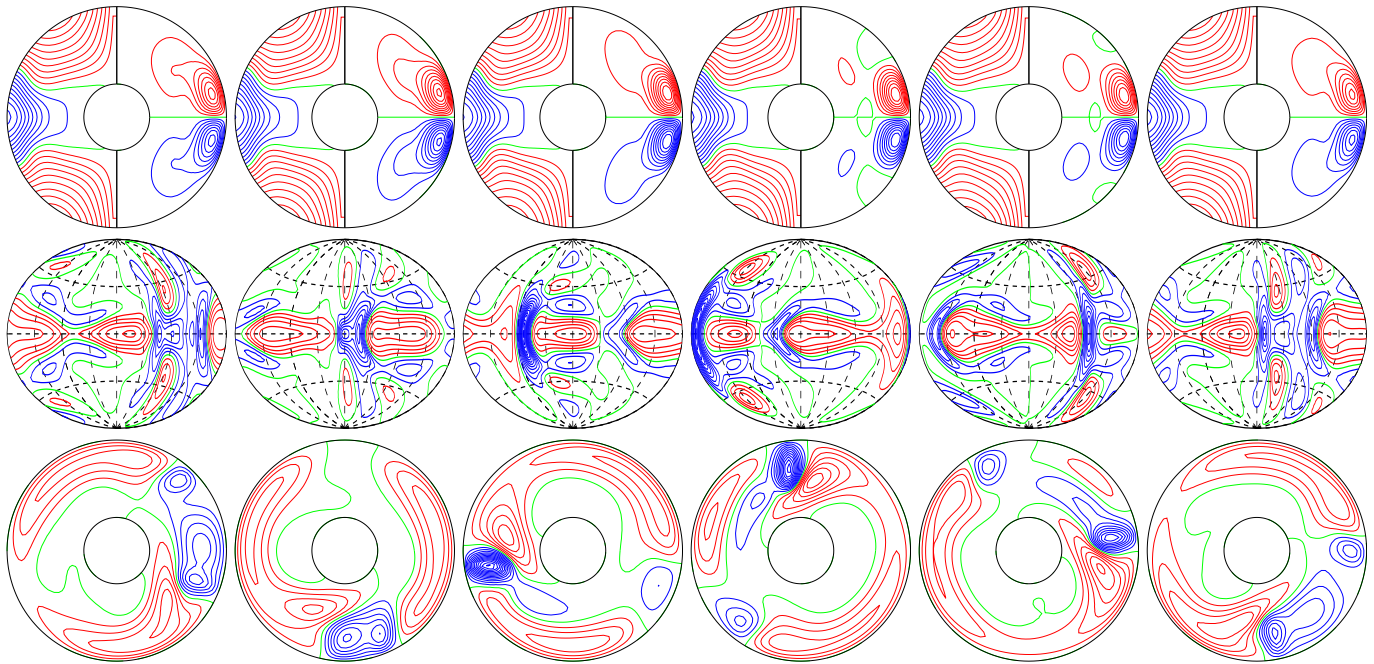
Nusselt Number



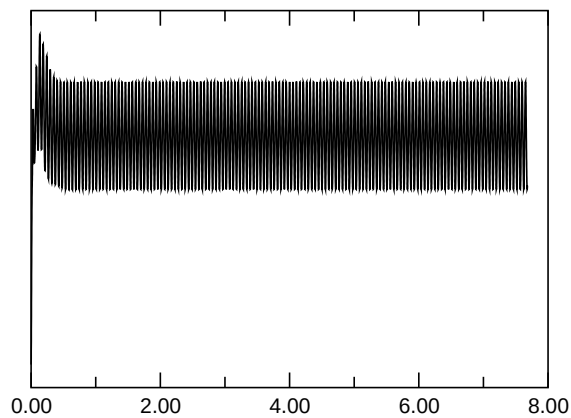
a.e03p1t03r-50000m1n2N2z6.4e4Yb.7

times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

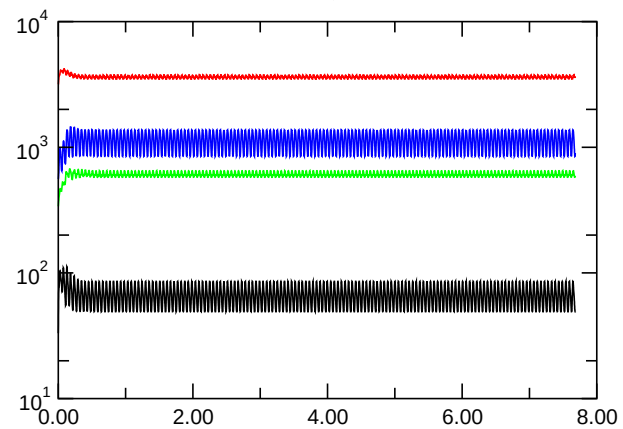
April 21, 2016



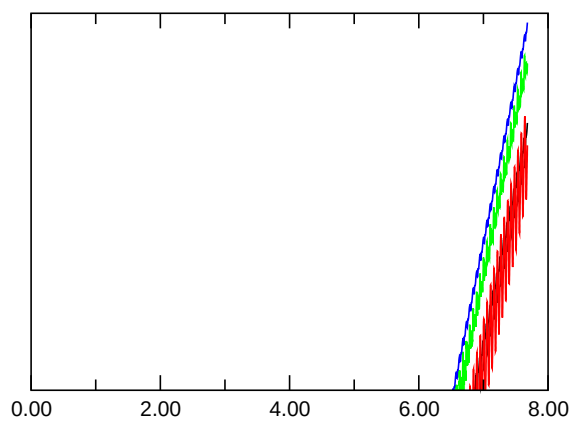
a.e03p1t03r-50000m1n2N2z6.4e4Yb
 E_{kin}



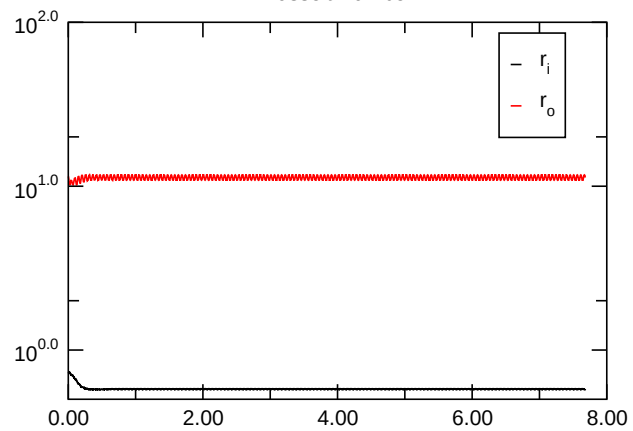
$E_{\text{kin,symm.}}$



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

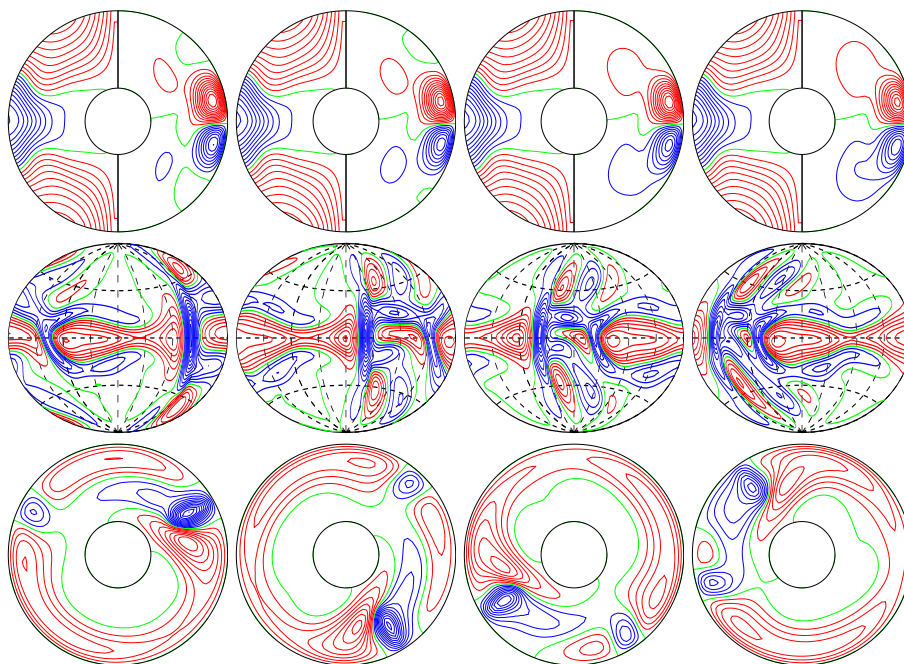


Nusselt Number

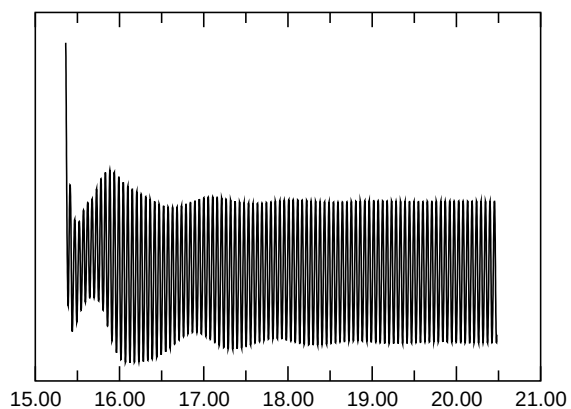


a.e03p1t03r-50000m1n2N2z6.4e4Ya.5
times: 16.64001 17.92001 19.20001 20.48001

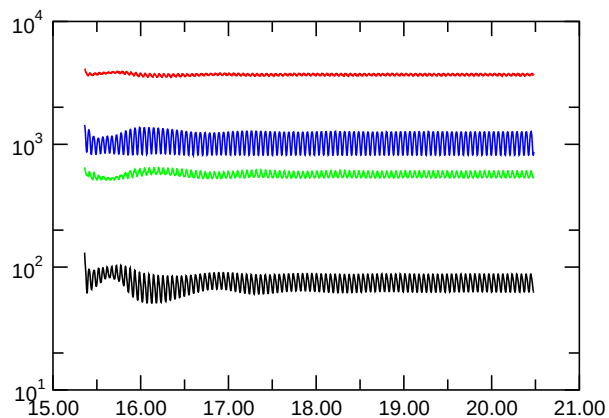
April 21, 2016



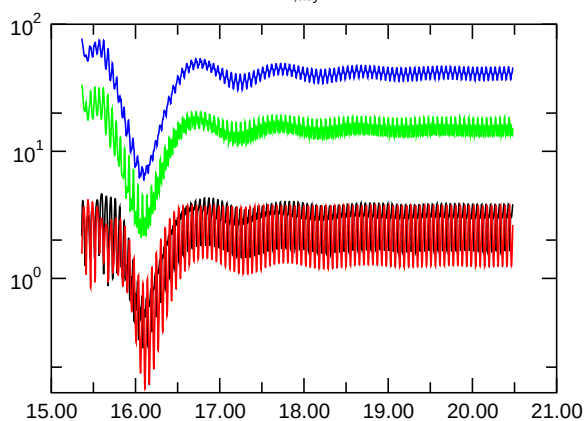
a.e03p1t03r-50000m1n2N2z6.4e4Ya
 E_{kin}



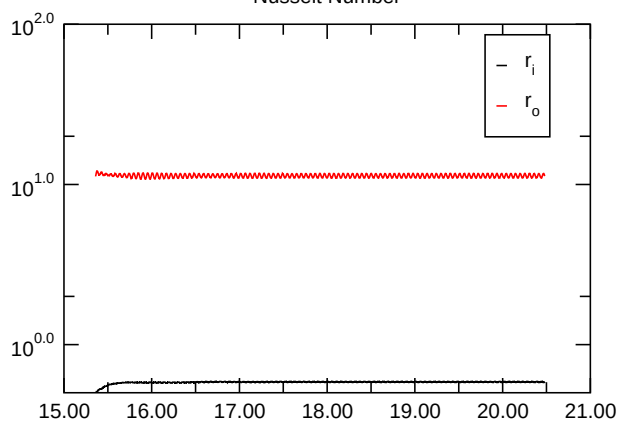
$E_{\text{kin,symm.}}$



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



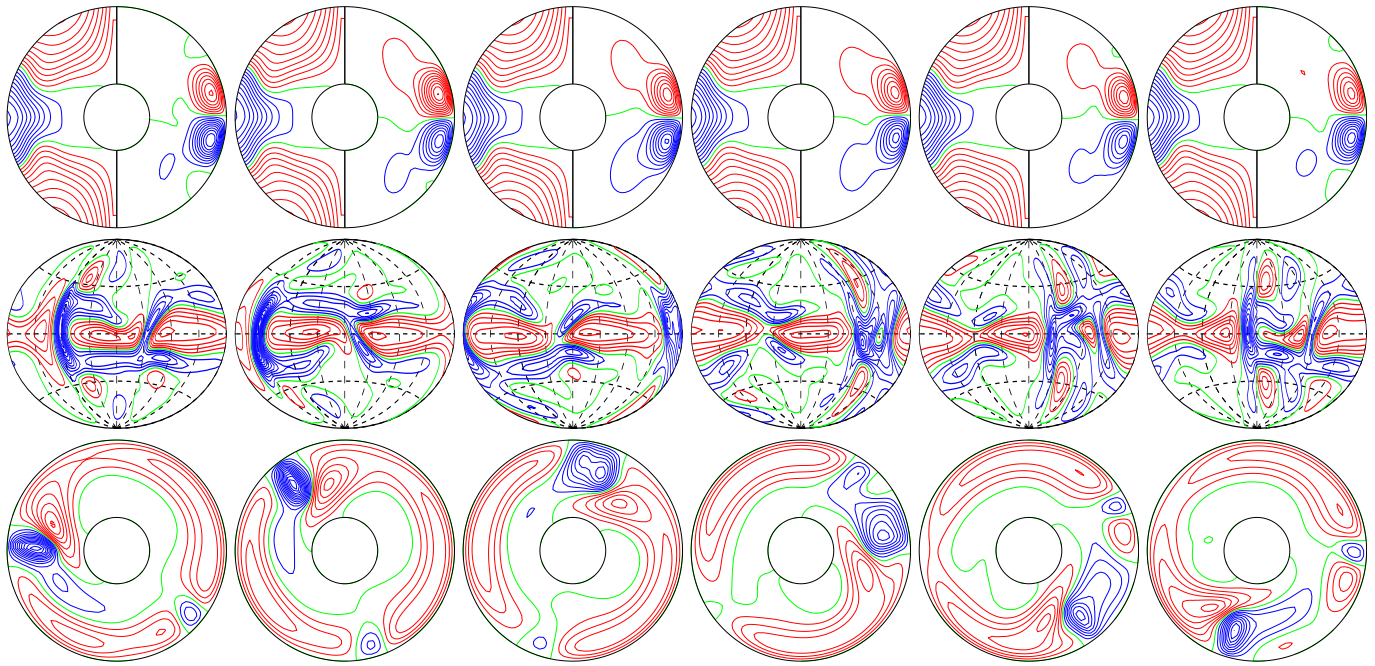
Nusselt Number



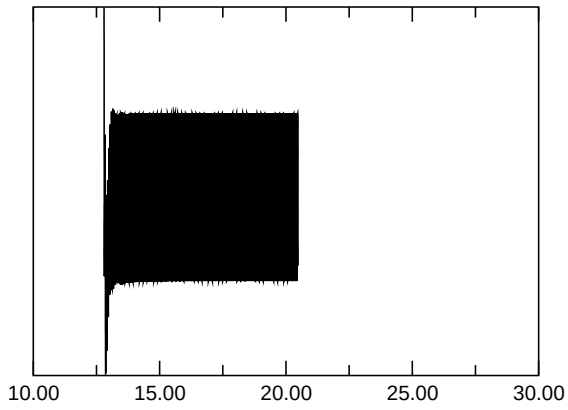
a.e03p1t03r-50000m1n2N2z6.6e4Ya.7

times: 14.08001 15.36001 16.64001 17.92001 19.20001 20.48001

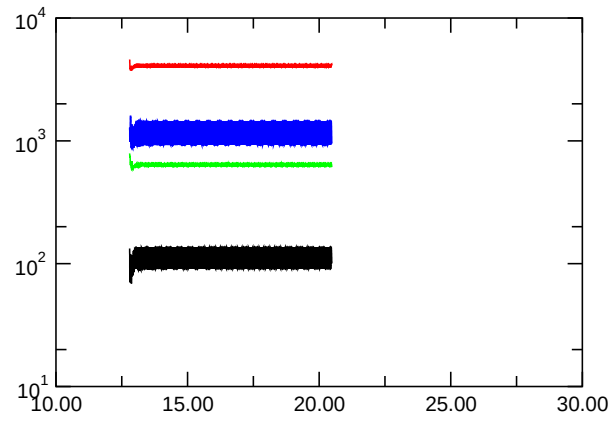
April 21, 2016



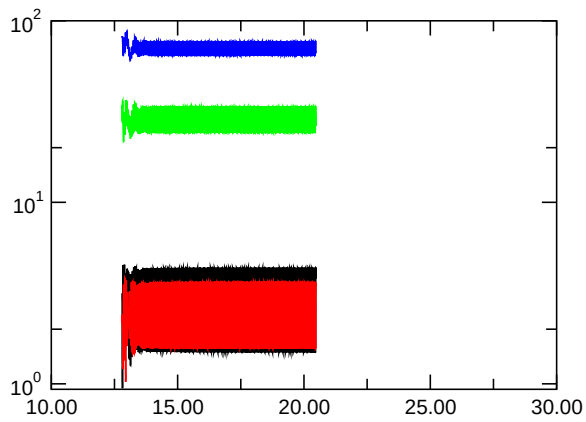
a.e03p1t03r-50000m1n2N2z6.6e4Ya
 E_{kin}



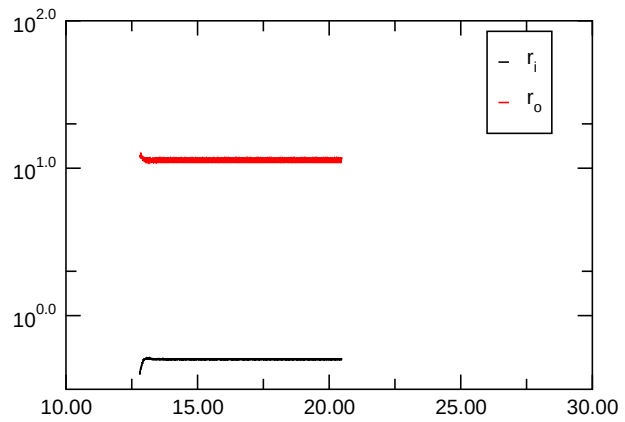
$E_{\text{kin,symm.}}$



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



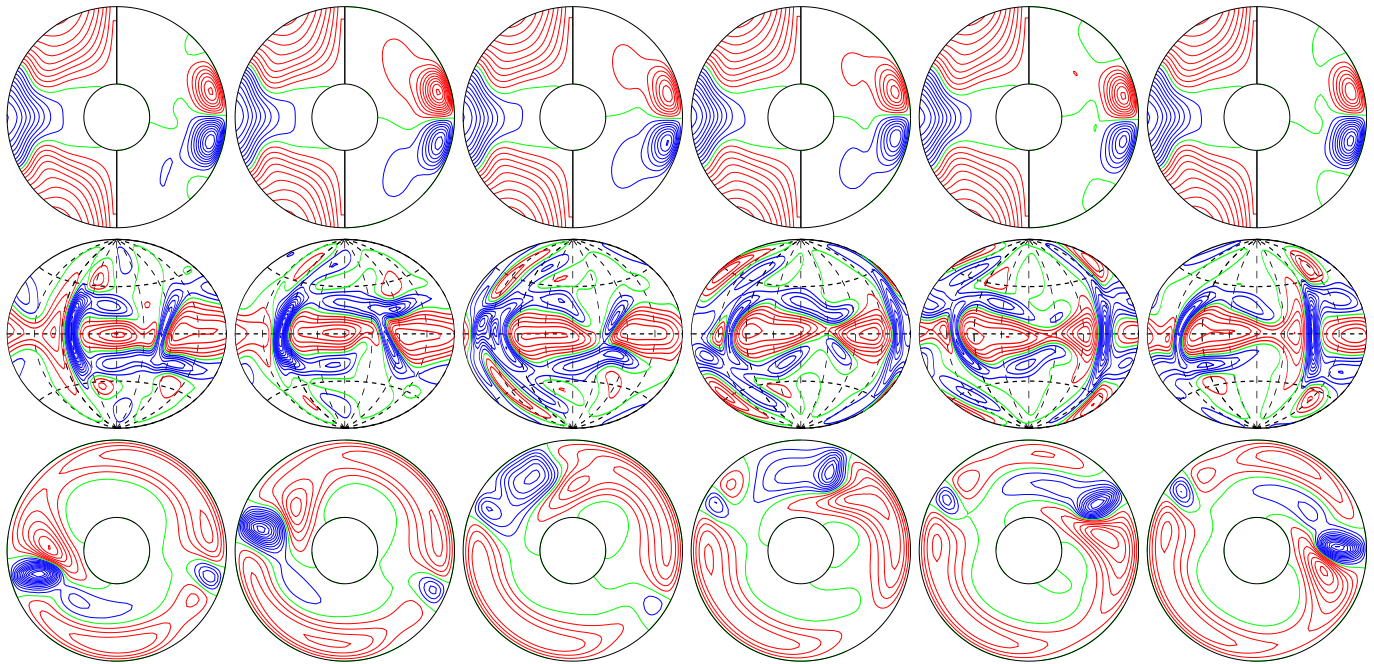
Nusselt Number



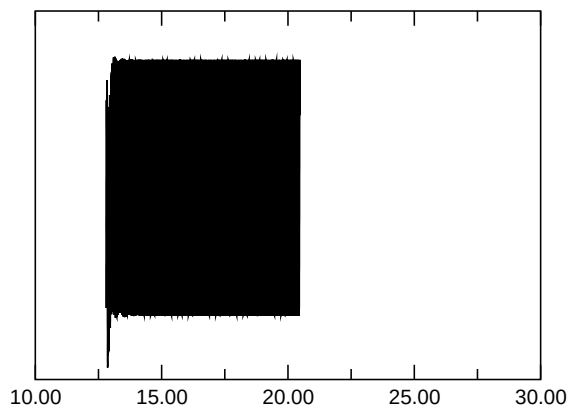
a.e03p1t03r-50000m1n2N2z6.8e4Ya.7

times: 14.08001 15.36001 16.64001 17.92001 19.20001 20.48001

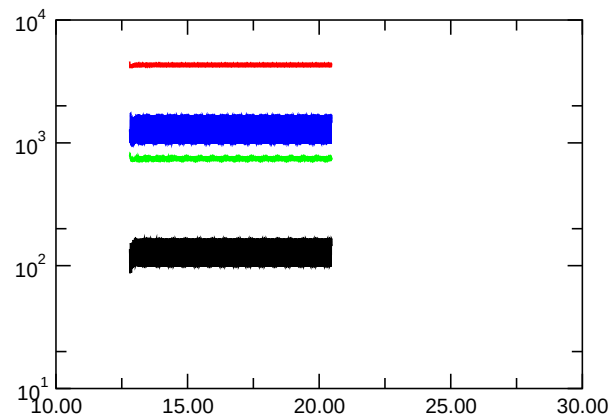
April 21, 2016



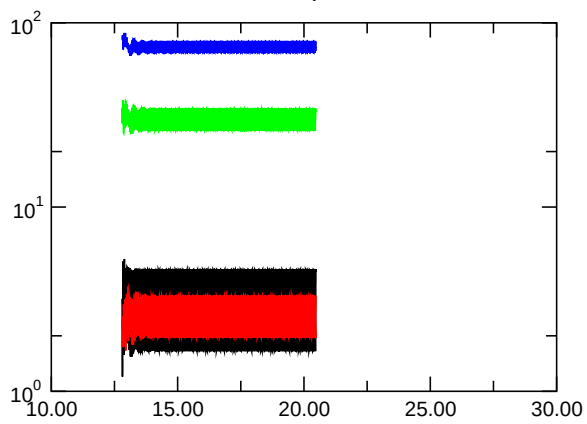
a.e03p1t03r-50000m1n2N2z6.8e4Ya
 E_{kin}



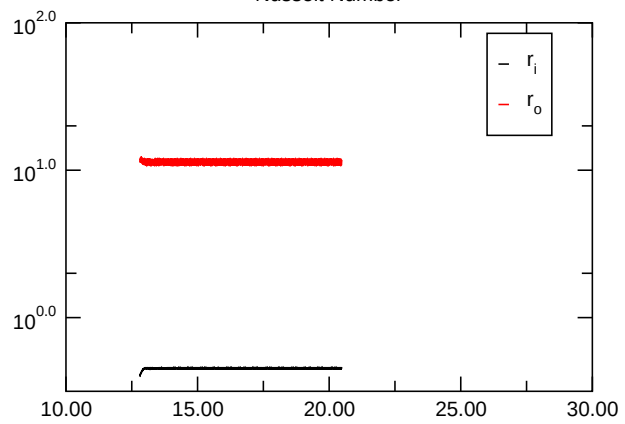
$E_{\text{kin,symm.}}$



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

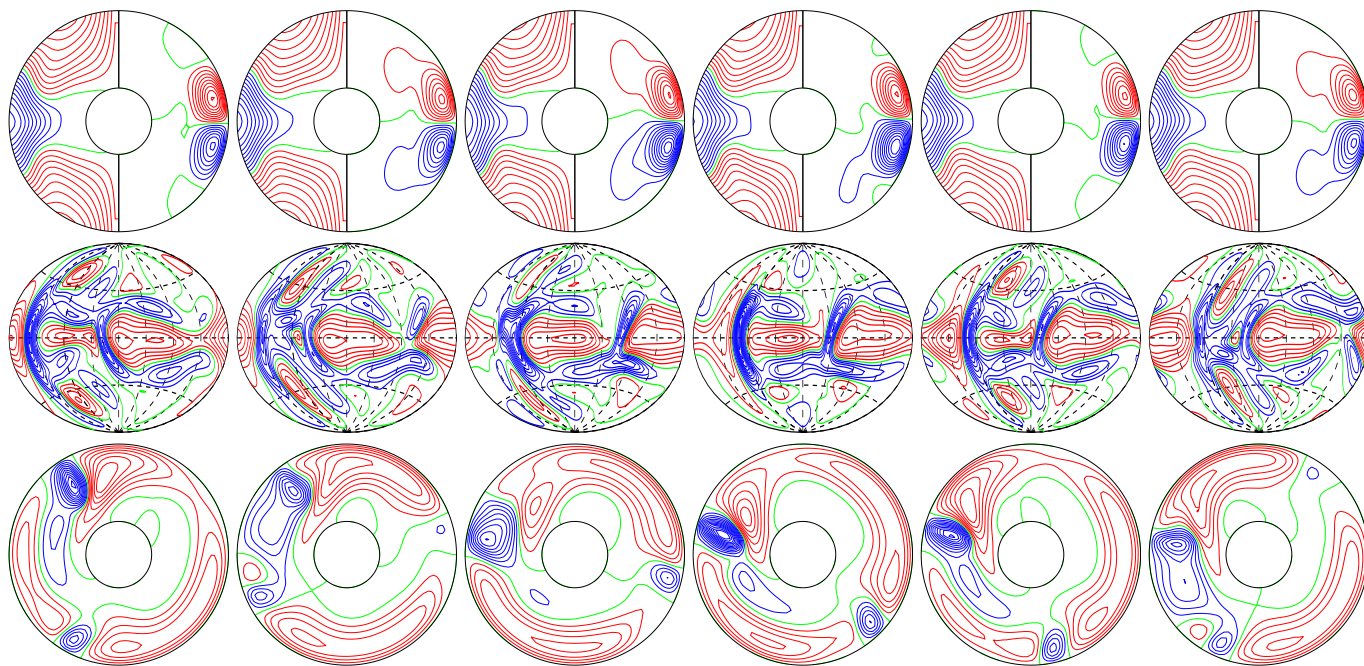


Nusselt Number

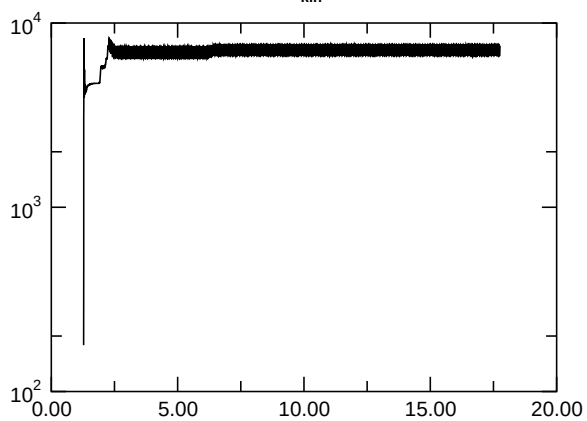


a.e03p1t03r-50000m1n2N2z7.0e4Y.30
times: 16.79697 16.81005 16.82313 16.83621 16.84929 16.86237

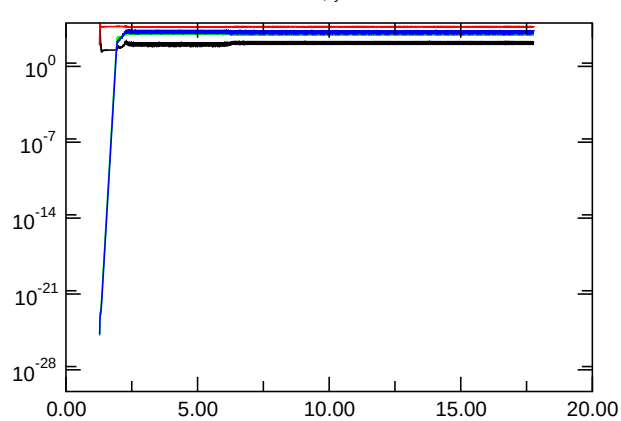
April 21, 2016



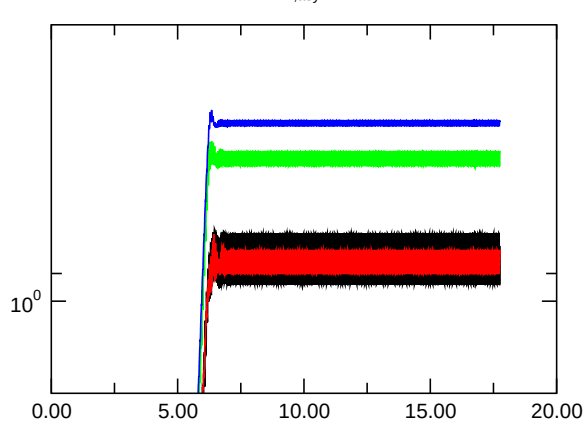
a.e03p1t03r-50000m1n2N2z7.0e4Y
 E_{kin}



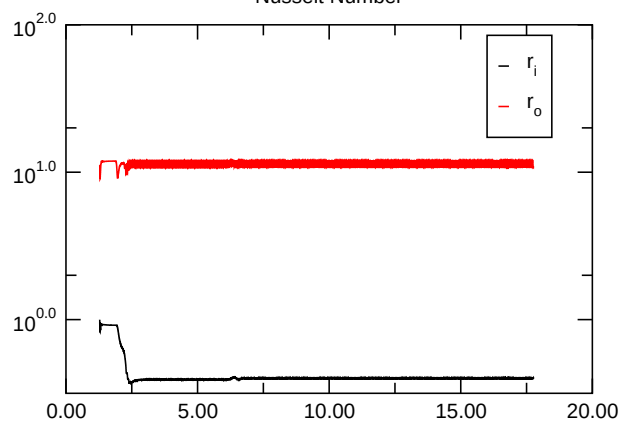
$E_{\text{kin,symm.}}$



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



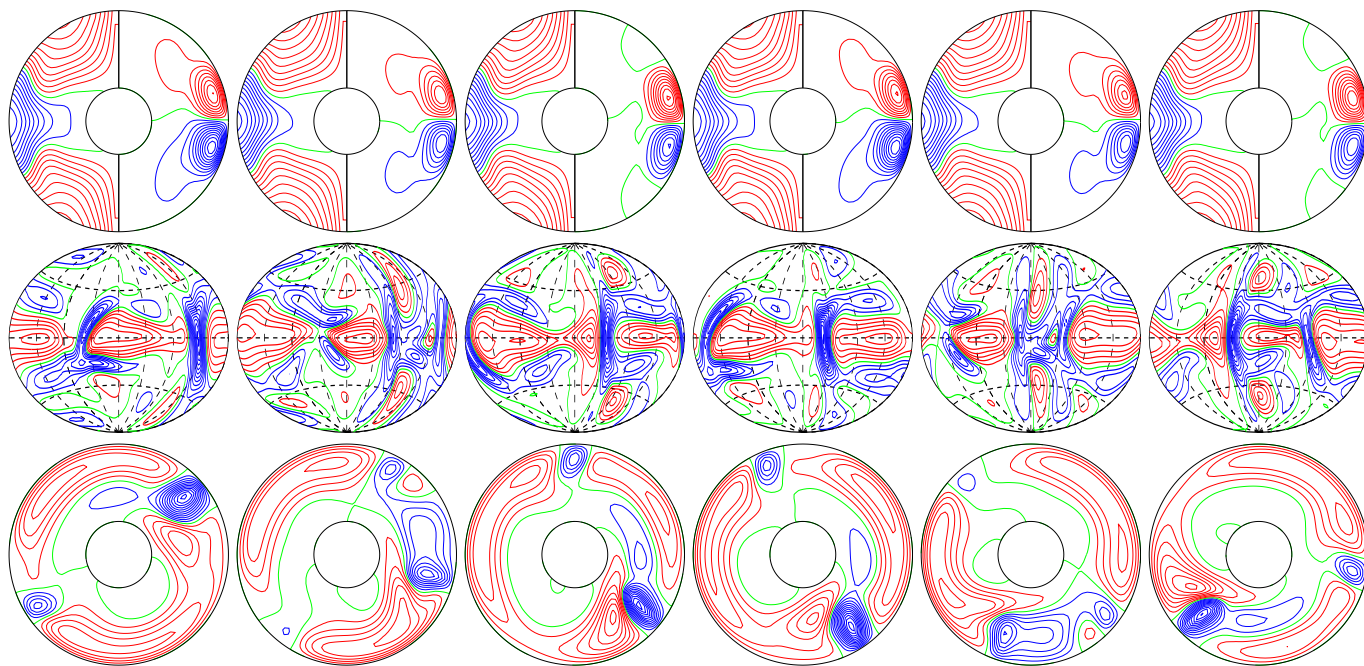
Nusselt Number



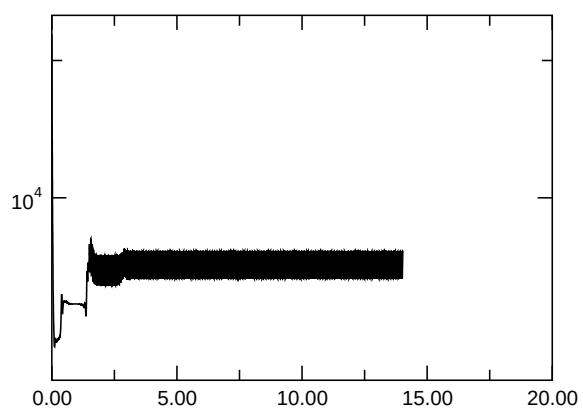
a.e03p1t03r-50000m1n2N2z7.0e4Ya.11

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

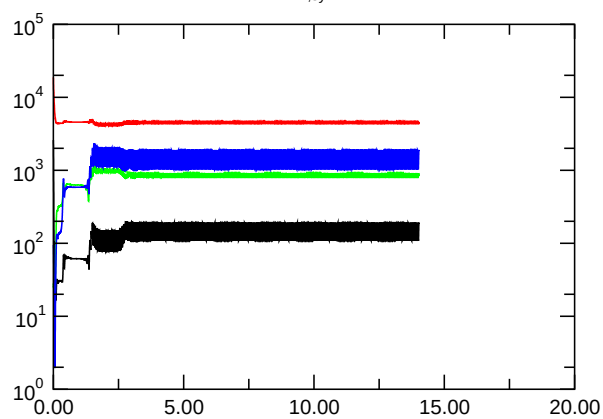
April 21, 2016



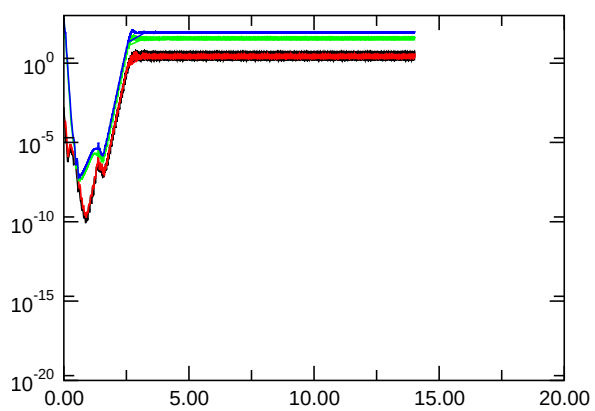
a.e03p1t03r-50000m1n2N2z7.0e4Ya
 E_{kin}



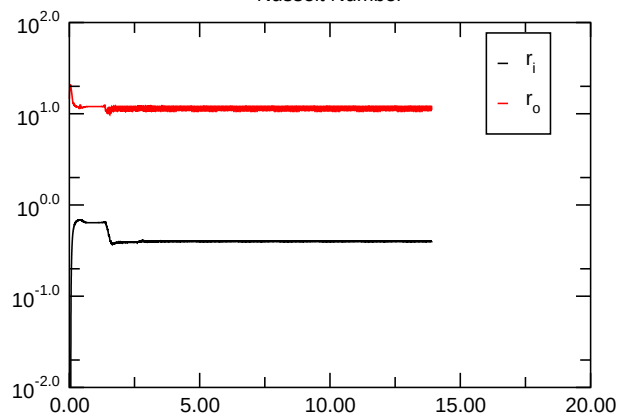
$E_{\text{kin,symm.}}$



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



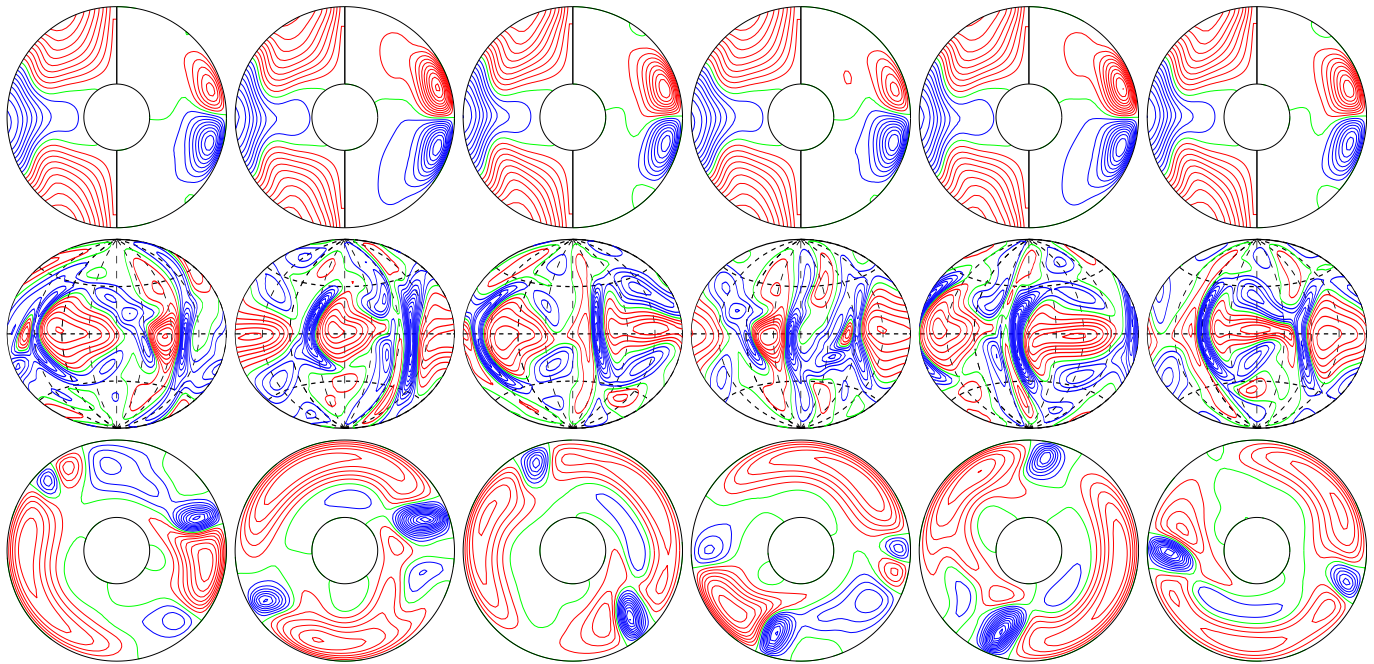
Nusselt Number



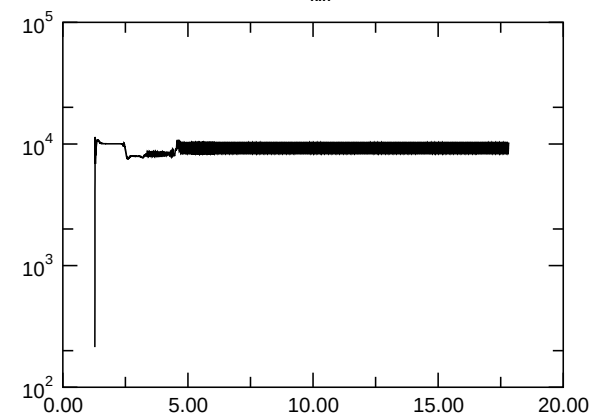
a.e03p1t03r-50000m1n2N2z8.0e4Y.13

times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

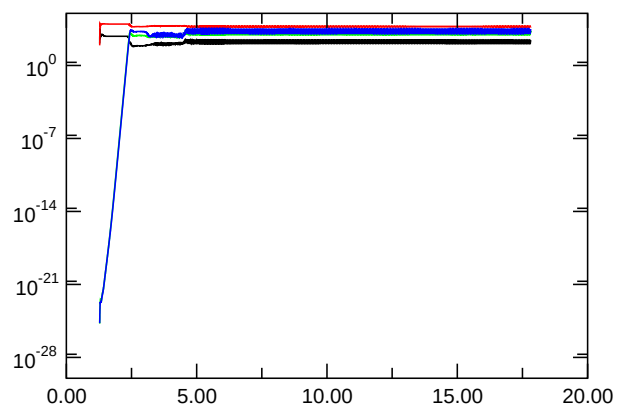
April 21, 2016



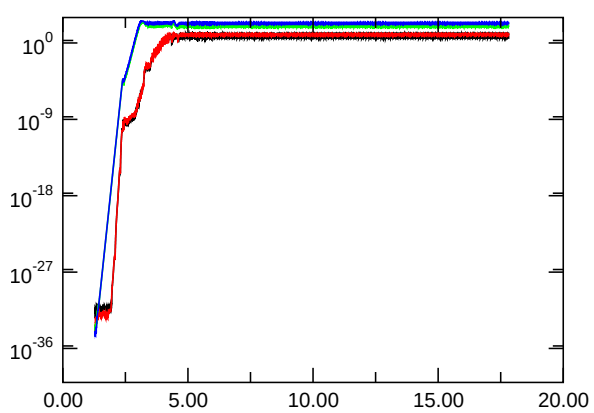
a.e03p1t03r-50000m1n2N2z8.0e4Y
 E_{kin}



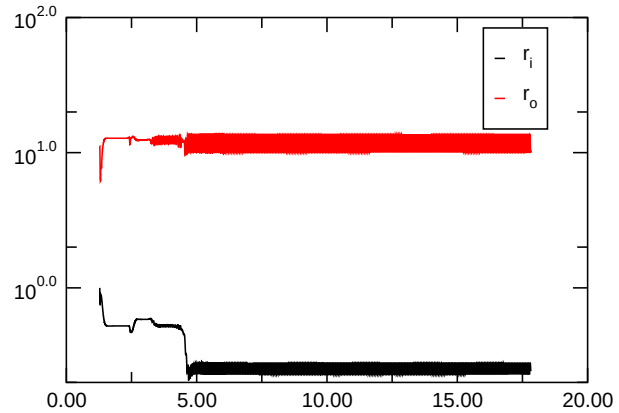
$E_{\text{kin, symm.}}$



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



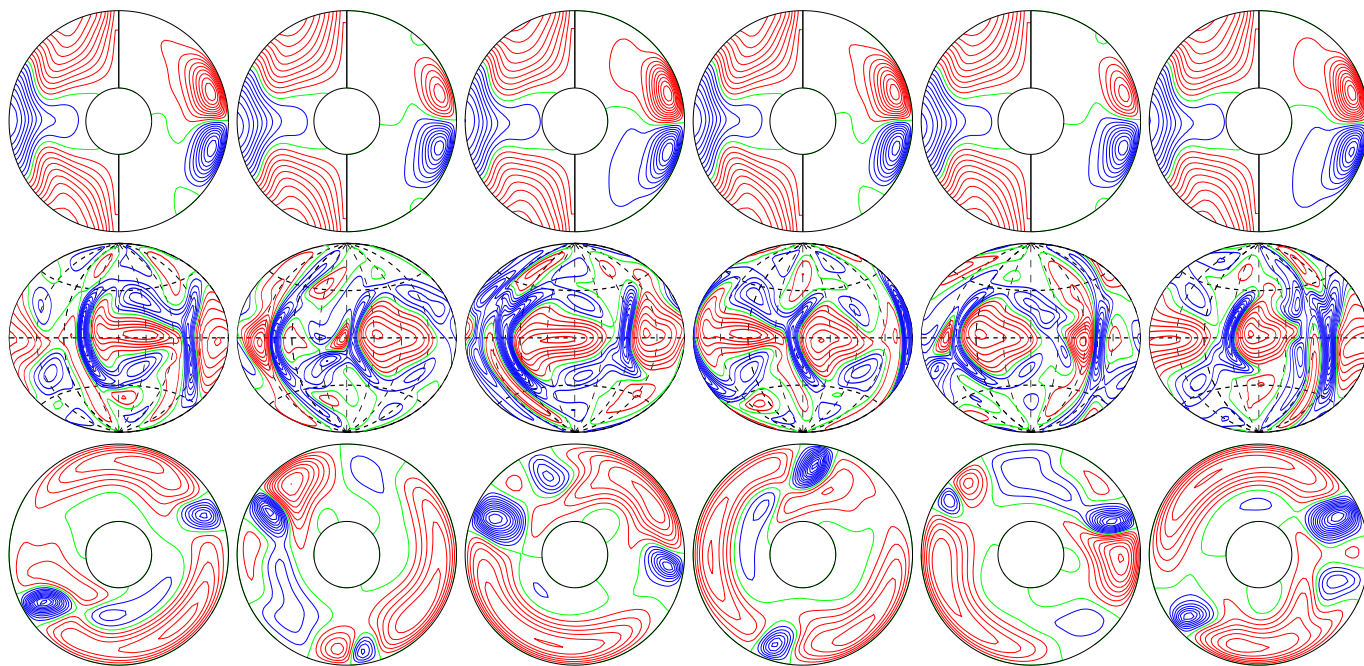
Nusselt Number



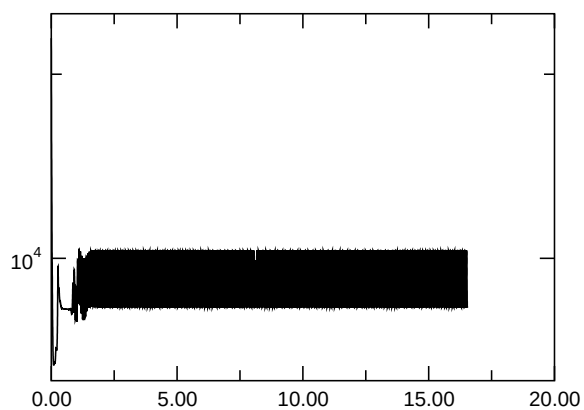
a.e03p1t03r-50000m1n2N2z8.0e4Ya.13

times: 8.960007 10.24001 11.52001 12.80001 14.08001 15.36001

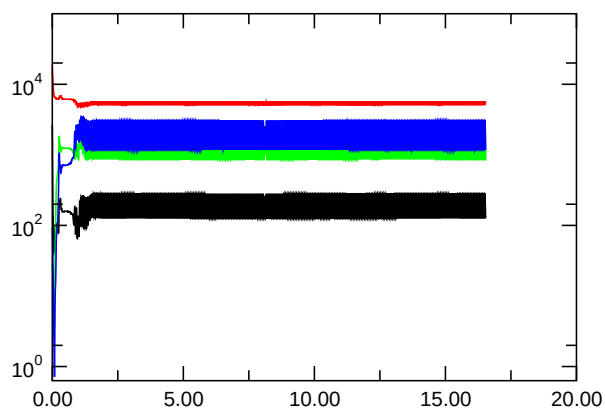
April 21, 2016



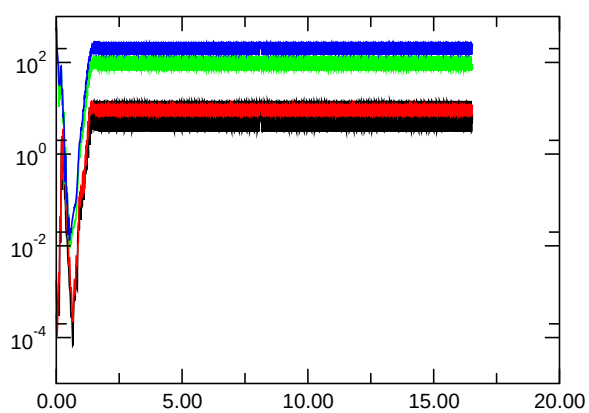
a.e03p1t03r-50000m1n2N2z8.0e4Ya
 E_{kin}



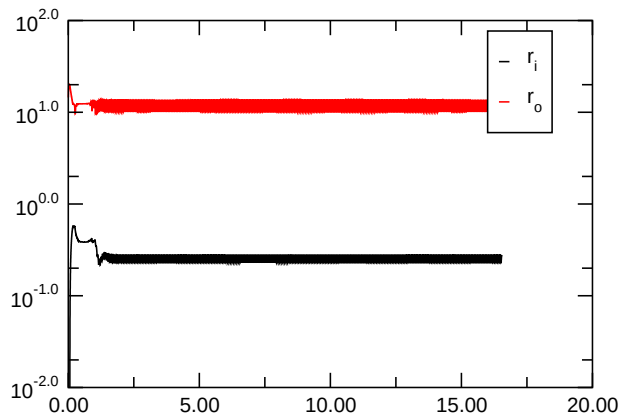
$E_{\text{kin,symm.}}$



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



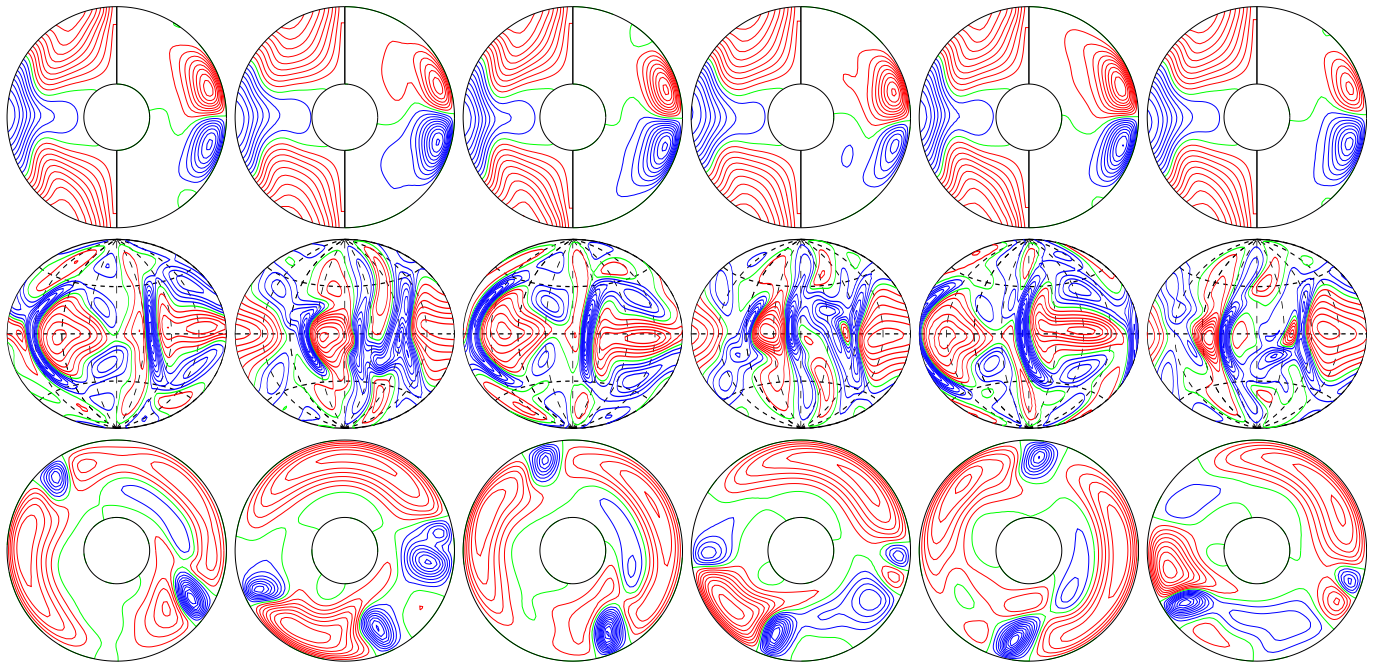
Nusselt Number



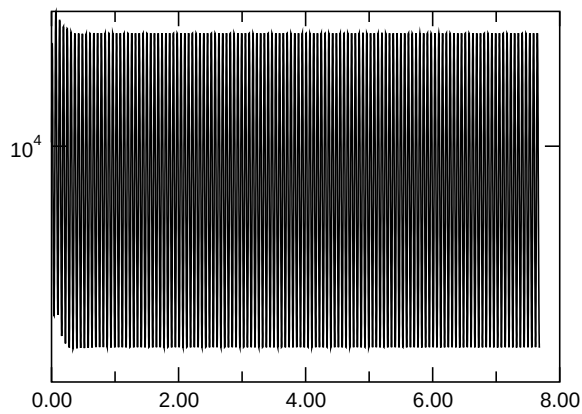
a.e03p1t03r-50000m1n2N2z8.2e4Yb.7

times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

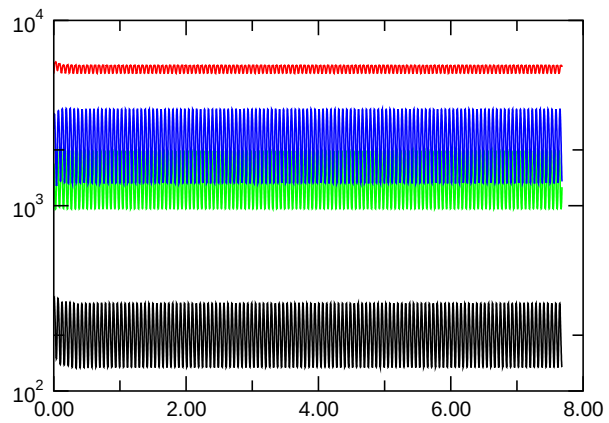
April 21, 2016



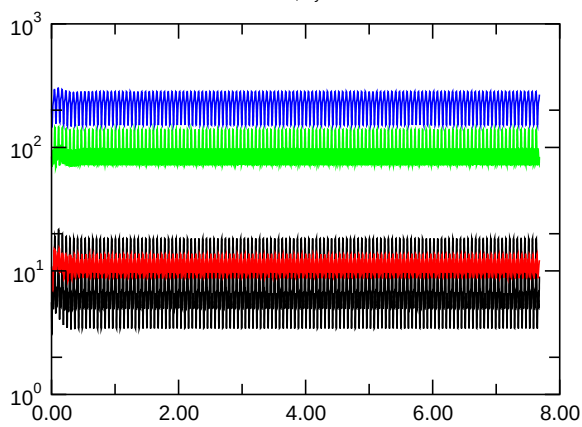
a.e03p1t03r-50000m1n2N2z8.2e4Yb
 E_{kin}



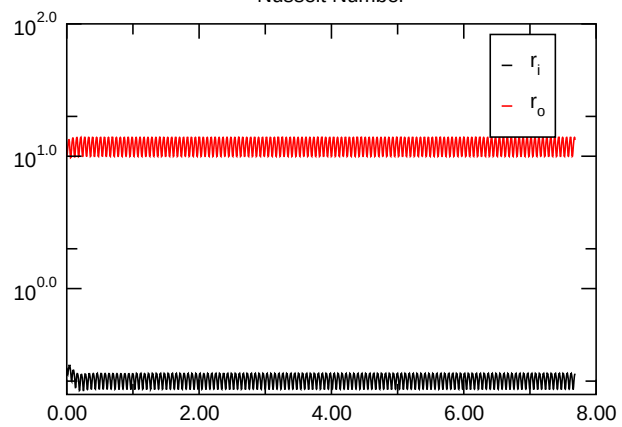
$E_{\text{kin, symm.}}$



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



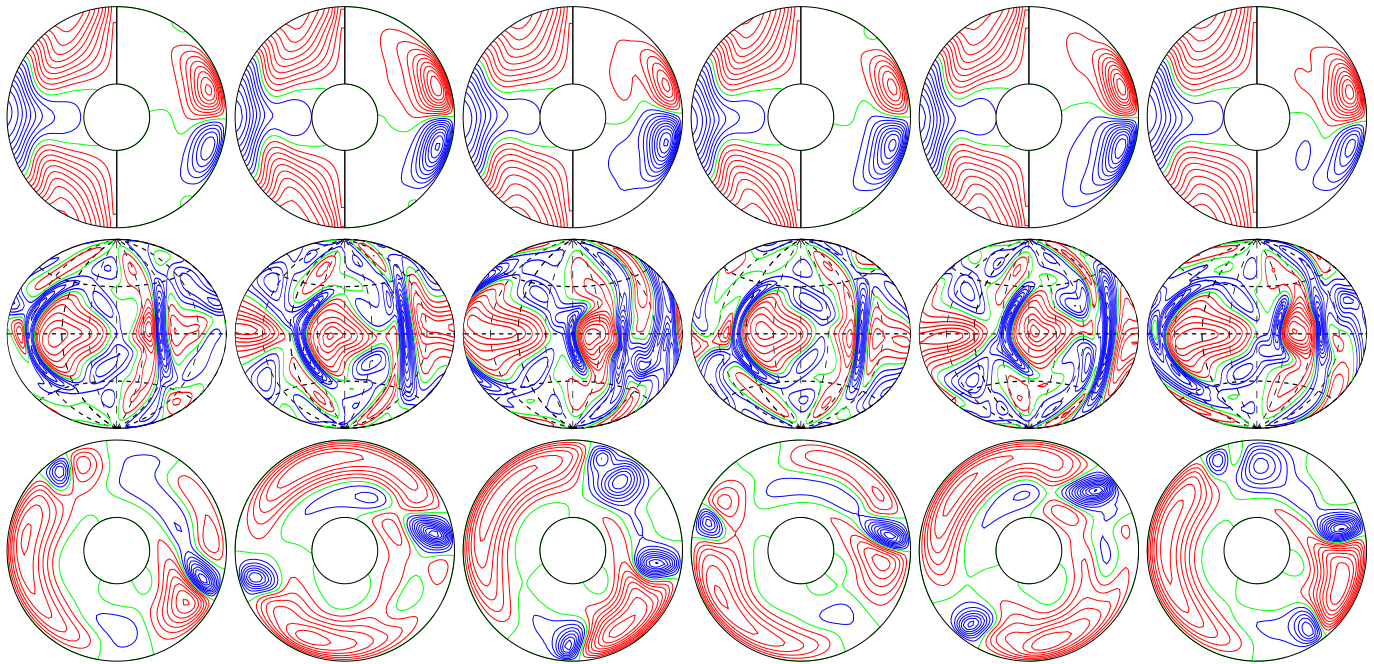
Nusselt Number



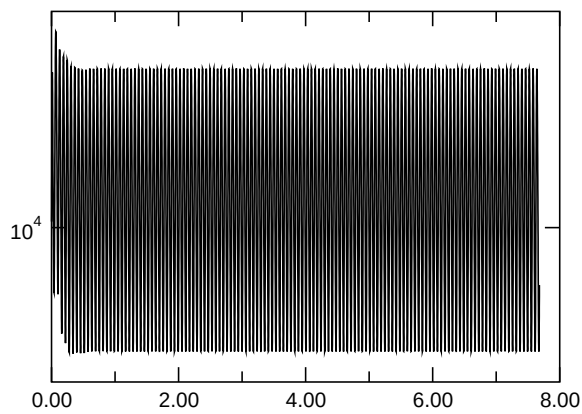
a.e03p1t03r-50000m1n2N2z8.4e4Yb.7

times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

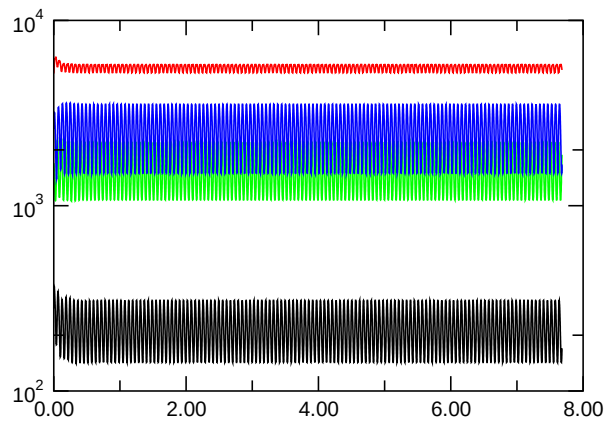
April 21, 2016



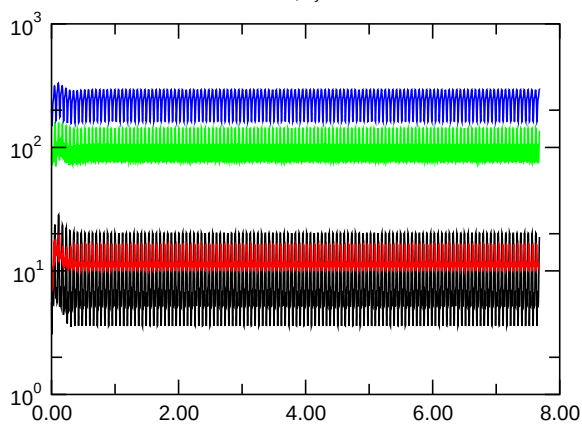
a.e03p1t03r-50000m1n2N2z8.4e4Yb
 E_{kin}



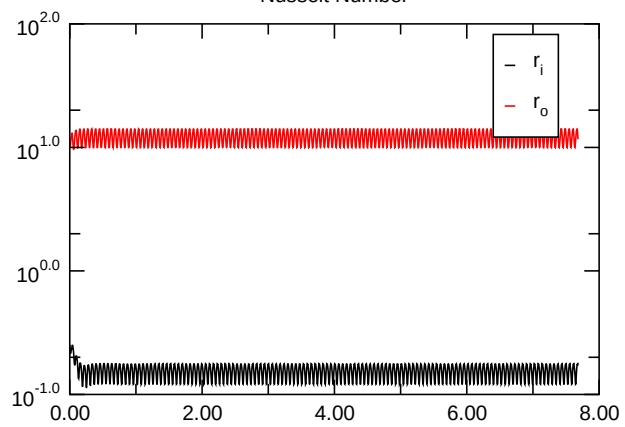
$E_{\text{kin, symm.}}$



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

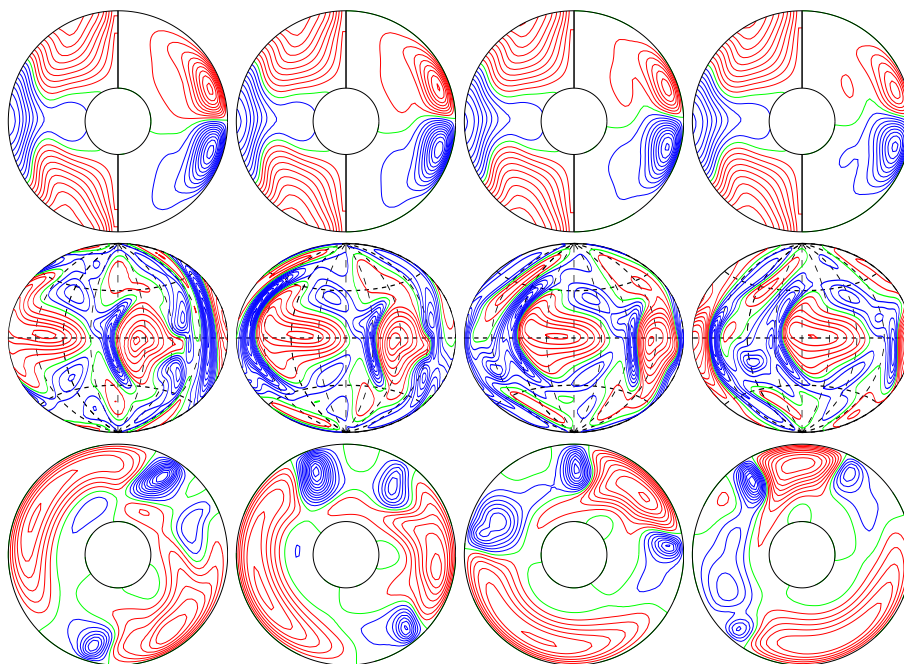


Nusselt Number

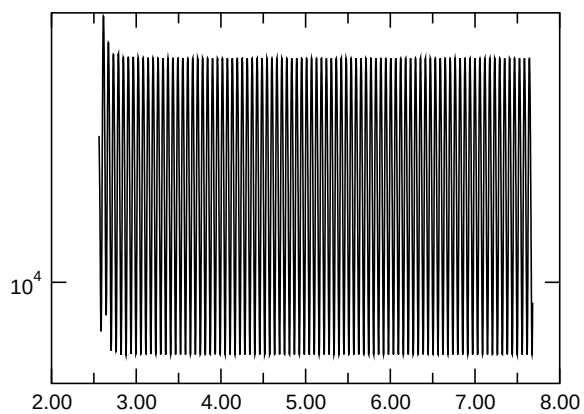


a.e03p1t03r-50000m1n2N2z8.6e4Yb.5
times: 3.840003 5.120004 6.400005 7.680006

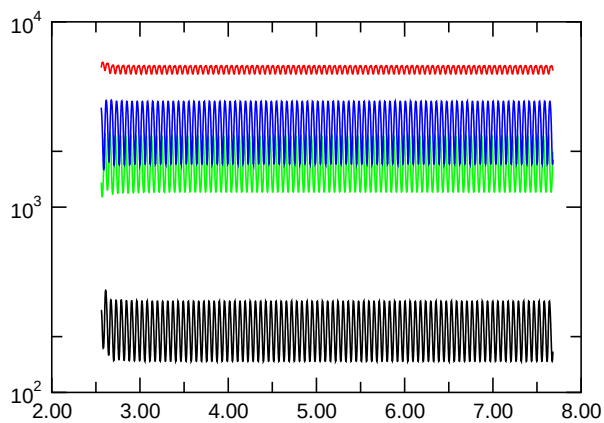
April 21, 2016



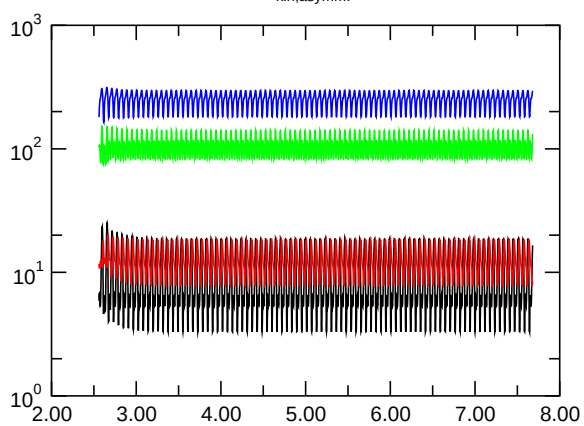
a.e03p1t03r-50000m1n2N2z8.6e4Yb
 E_{kin}



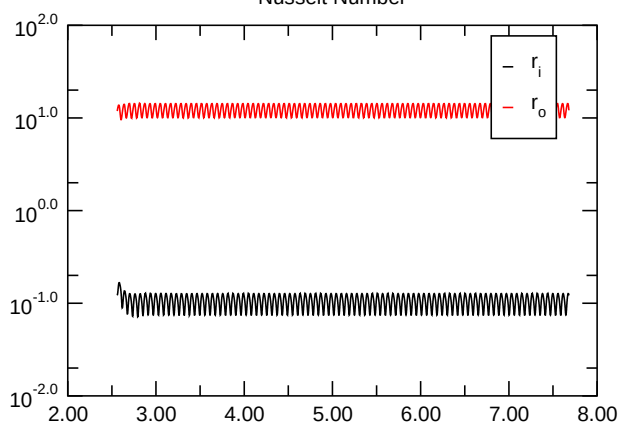
$E_{kin,symm.}$



$E_{kin,asymm.}$

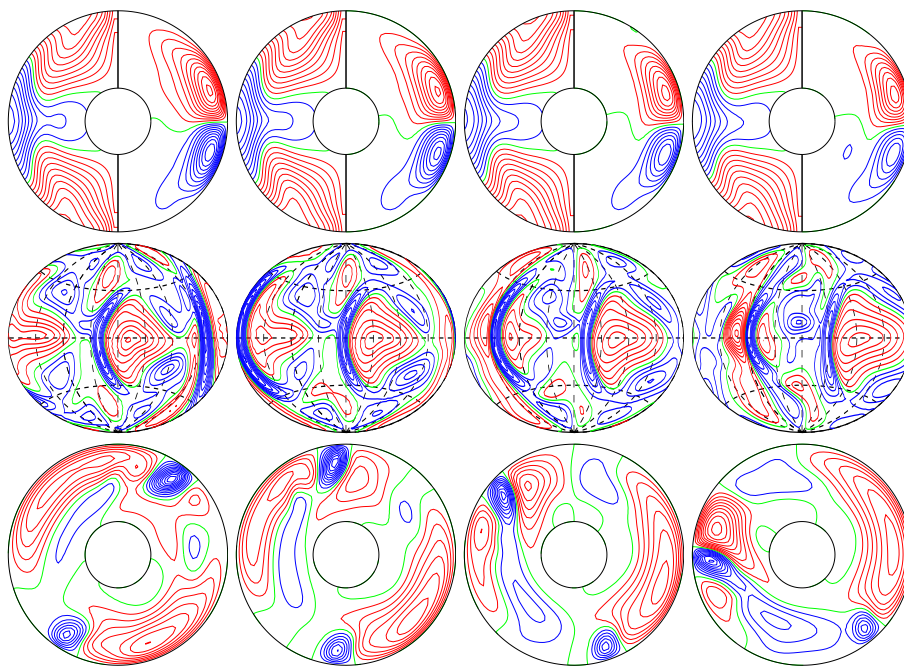


Nusselt Number

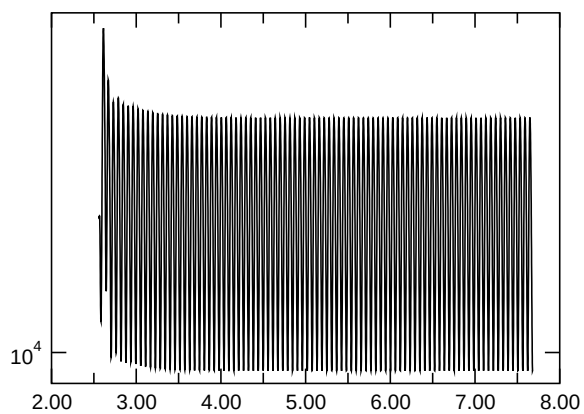


a.e03p1t03r-50000m1n2N2z8.8e4Yb.5
times: 3.840003 5.120004 6.400005 7.680006

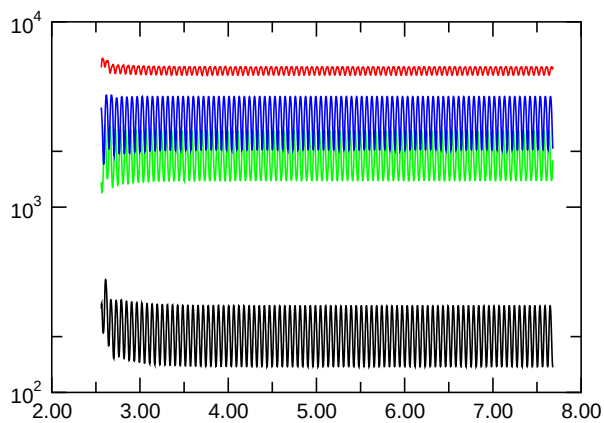
April 21, 2016



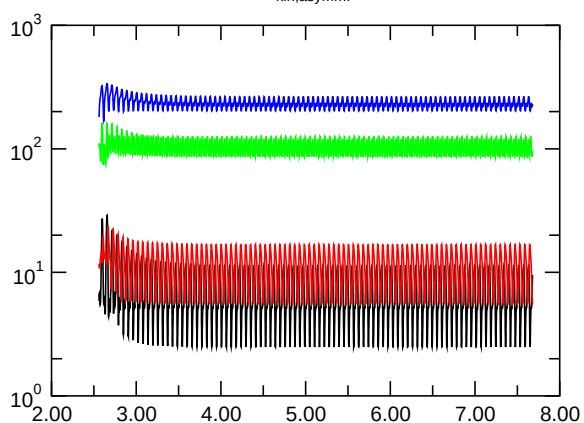
a.e03p1t03r-50000m1n2N2z8.8e4Yb
 E_{kin}



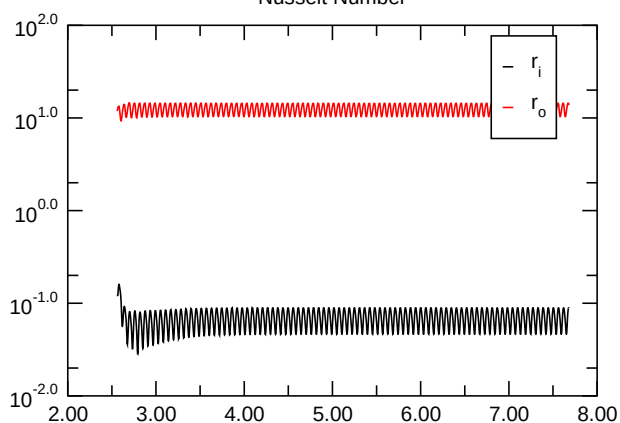
$E_{\text{kin, symm.}}$



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

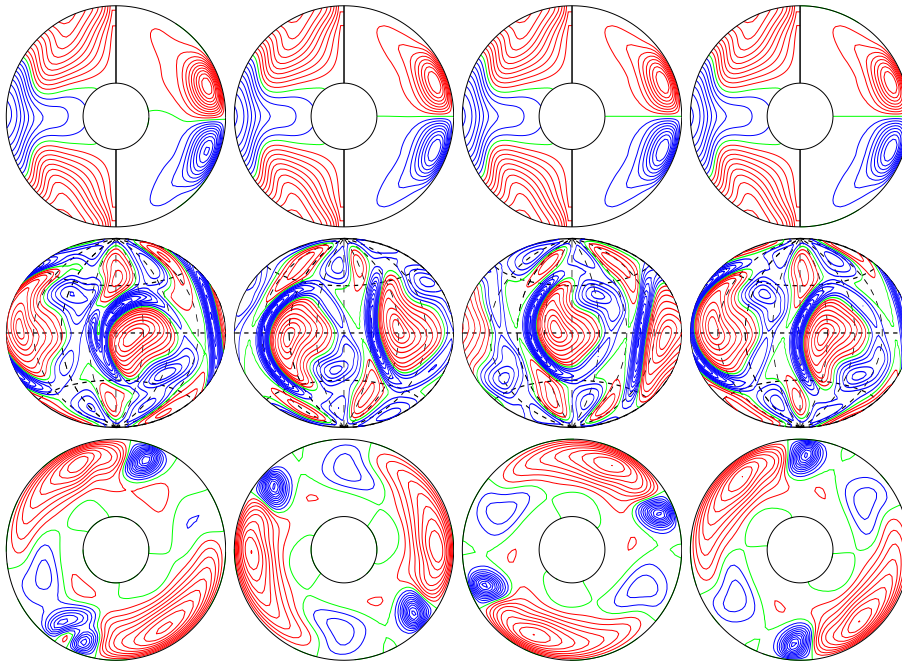


Nusselt Number

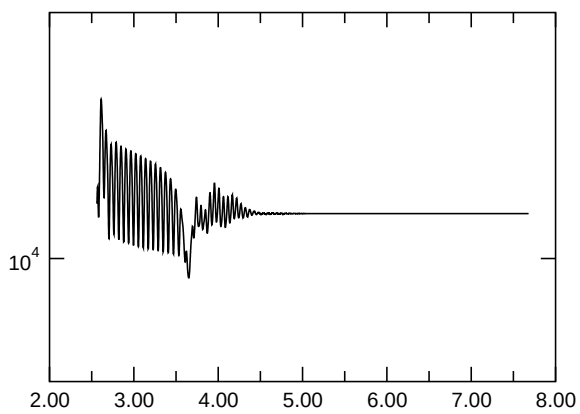


a.e03p1t03r-50000m1n2N2z9.0e4Ybb.5
times: 3.840003 5.120004 6.400005 7.680006

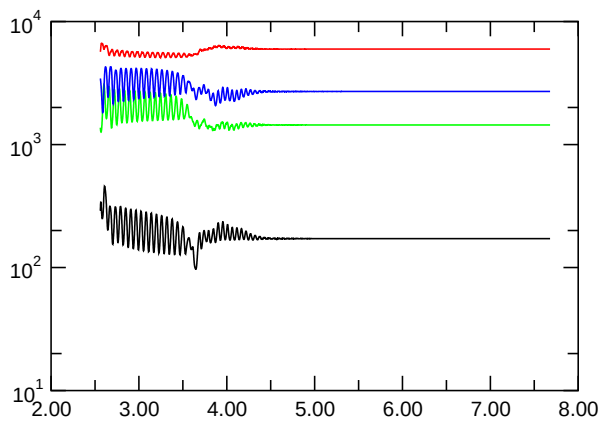
April 21, 2016



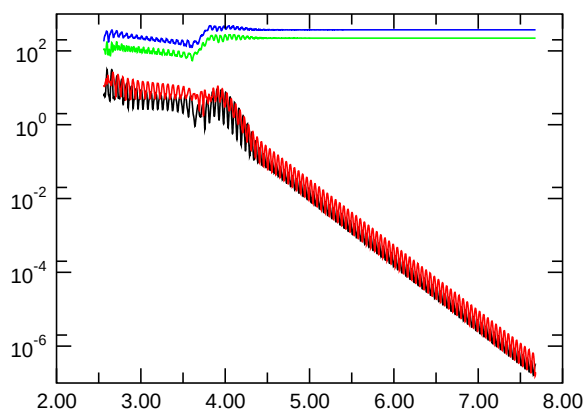
a.e03p1t03r-50000m1n2N2z9.0e4Ybb
 E_{kin}



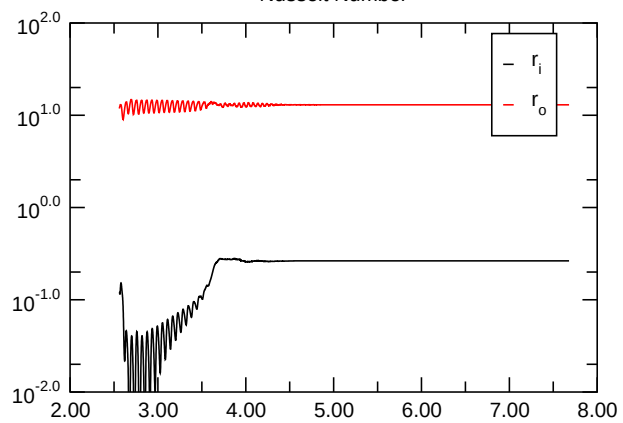
$E_{\text{kin, symm.}}$



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

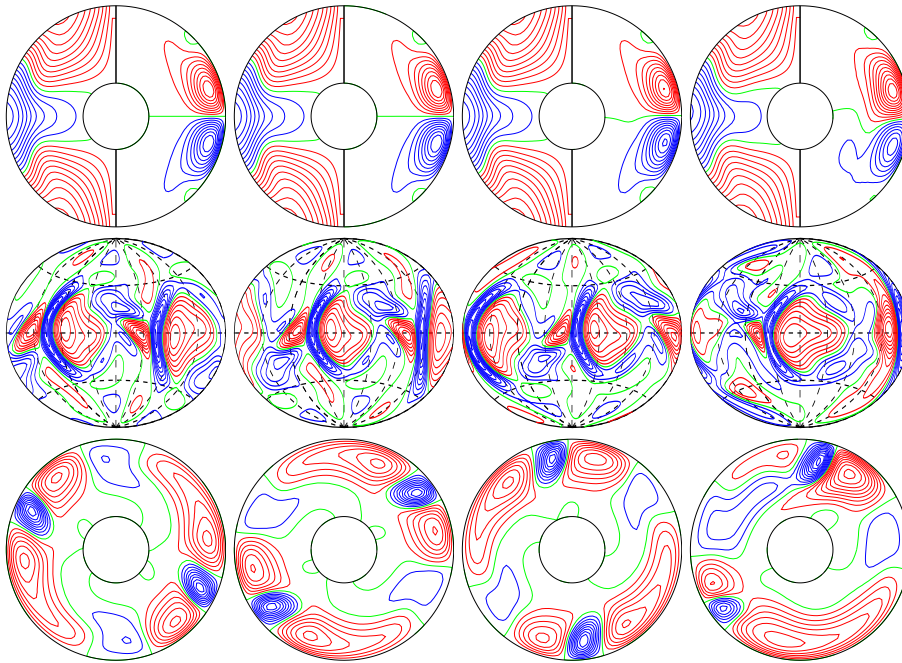


Nusselt Number

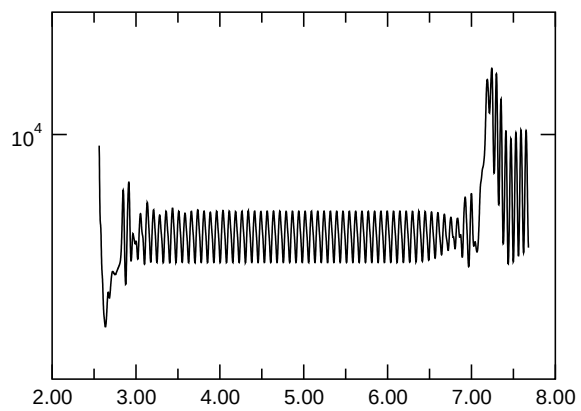


a.e03p1t03r-50000m1n2N2z8.0e4Yaa.5
times: 3.840003 5.120004 6.400005 7.680006

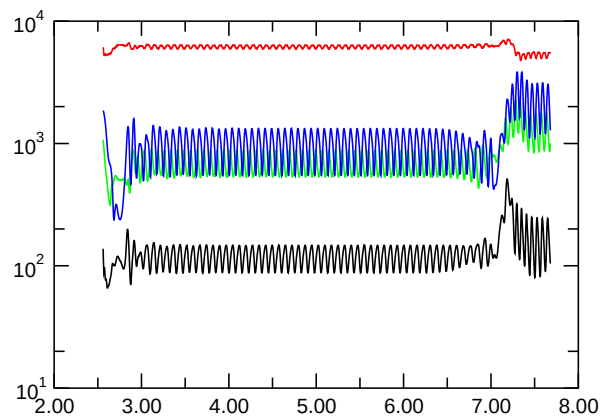
April 21, 2016



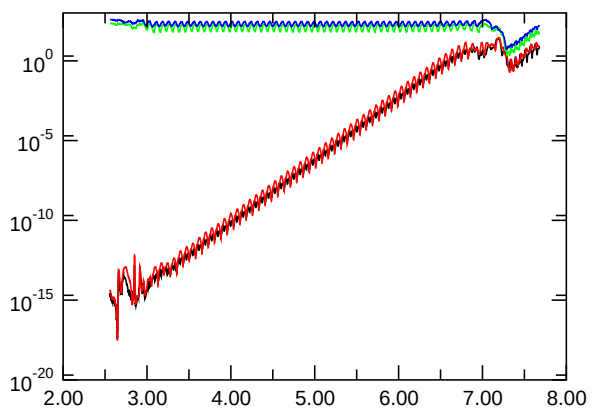
a.e03p1t03r-50000m1n2N2z8.0e4Yaa
 E_{kin}



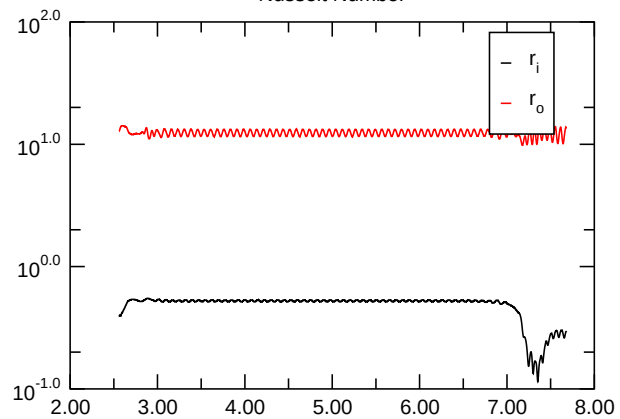
$E_{\text{kin,symm.}}$



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

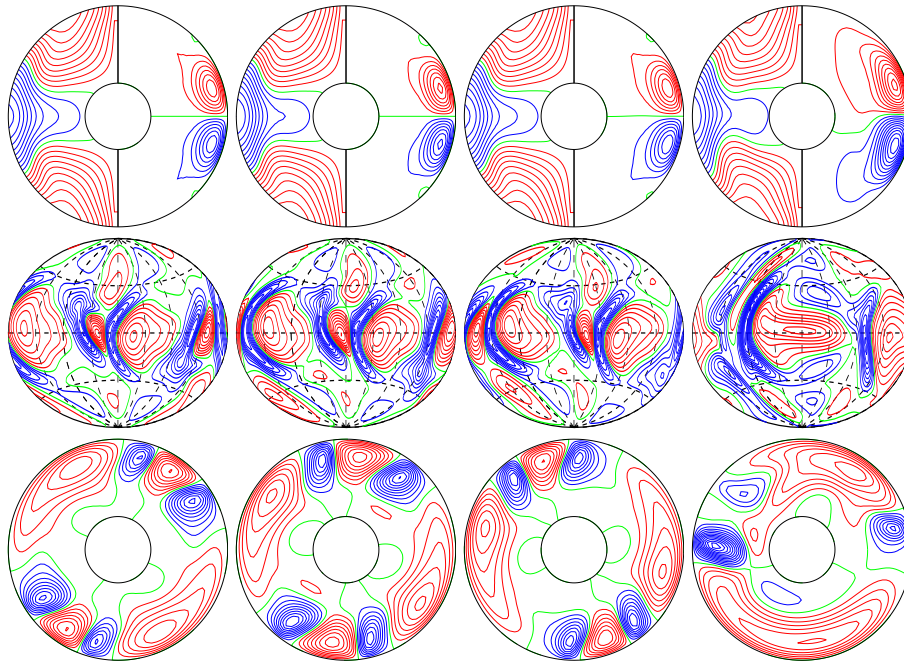


Nusselt Number

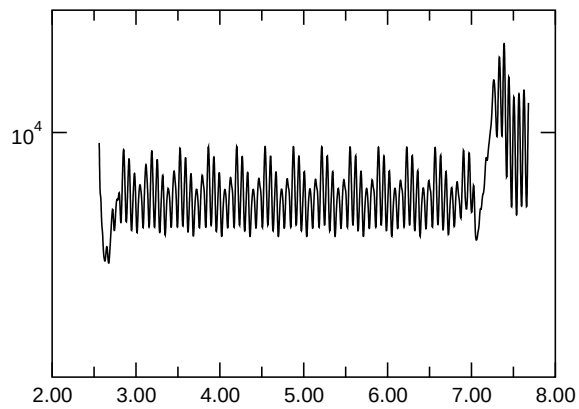


a.e03p1t03r-50000m1n2N2z8.2e4Ya.5
times: 3.840003 5.120004 6.400005 7.680006

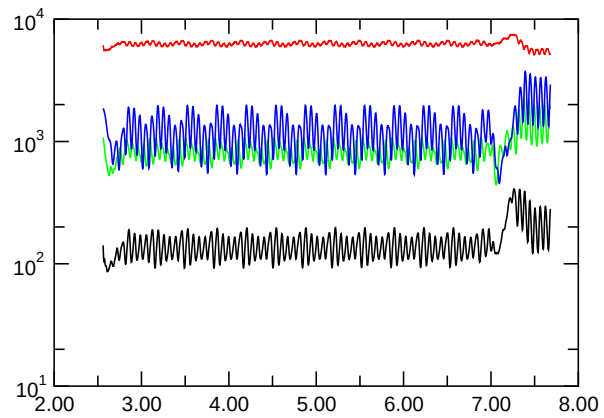
April 21, 2016



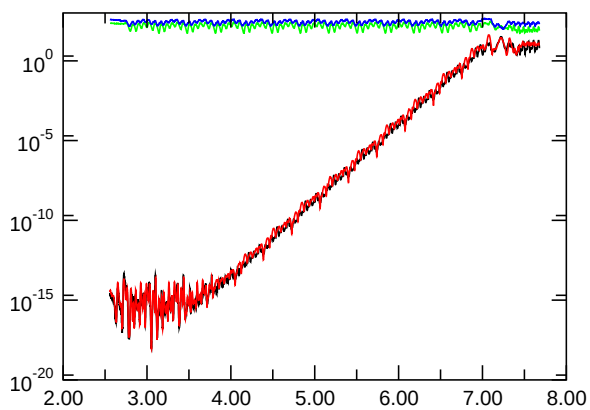
a.e03p1t03r-50000m1n2N2z8.2e4Ya
 E_{kin}



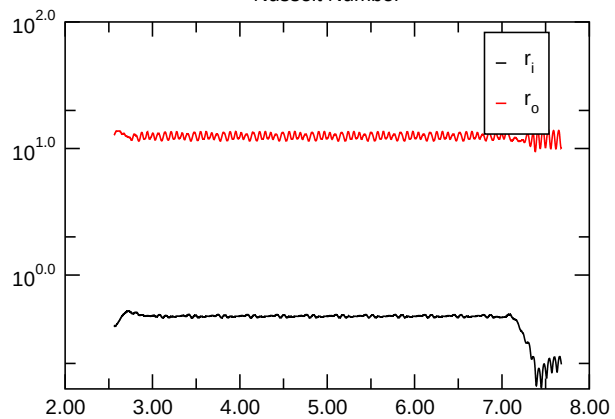
$E_{\text{kin,symm.}}$



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

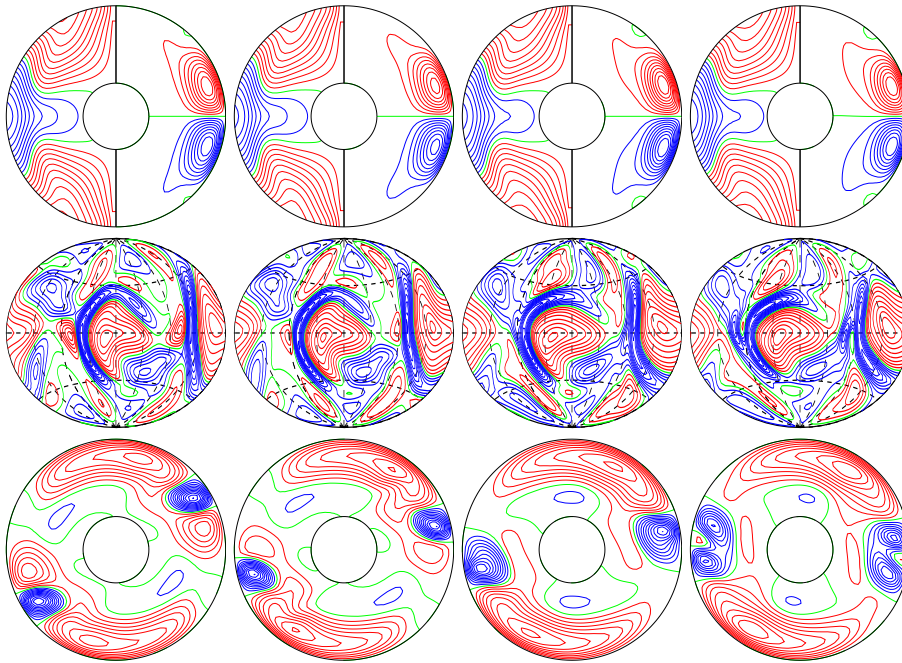


Nusselt Number



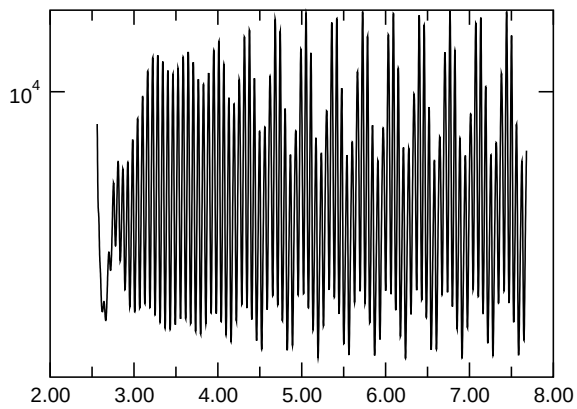
a.e03p1t03r-50000m1n2N2z8.4e4Ya.5
times: 3.840003 5.120004 6.400005 7.680006

April 21, 2016

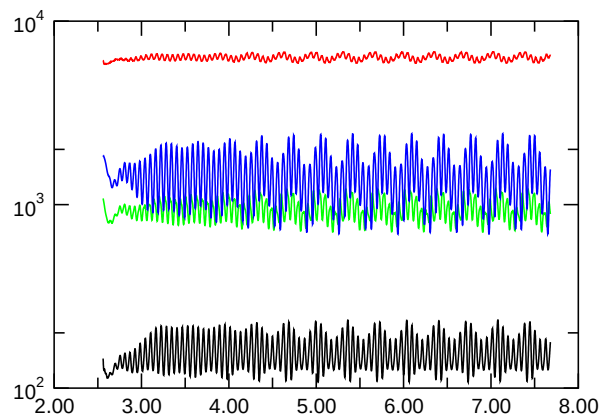


a.e03p1t03r-50000m1n2N2z8.4e4Ya

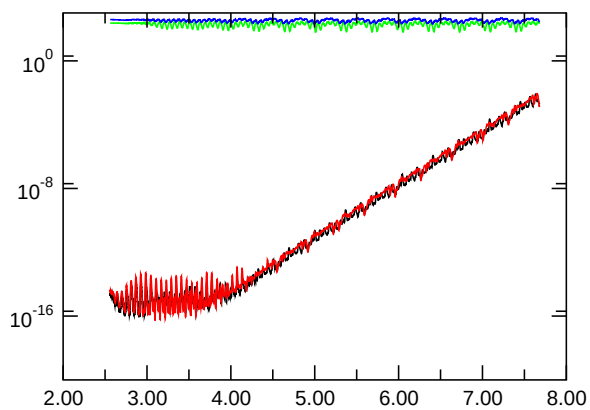
E_{kin}



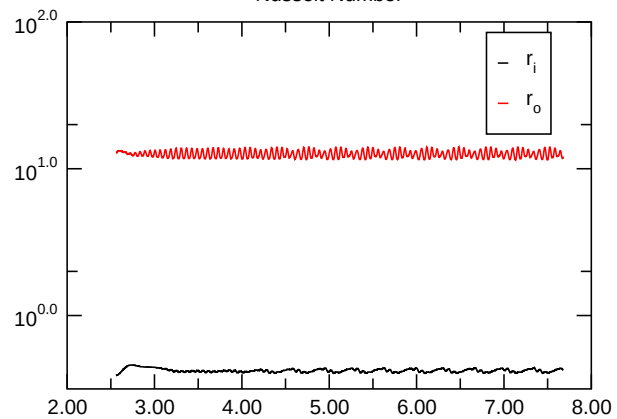
$E_{\text{kin,symm.}}$



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



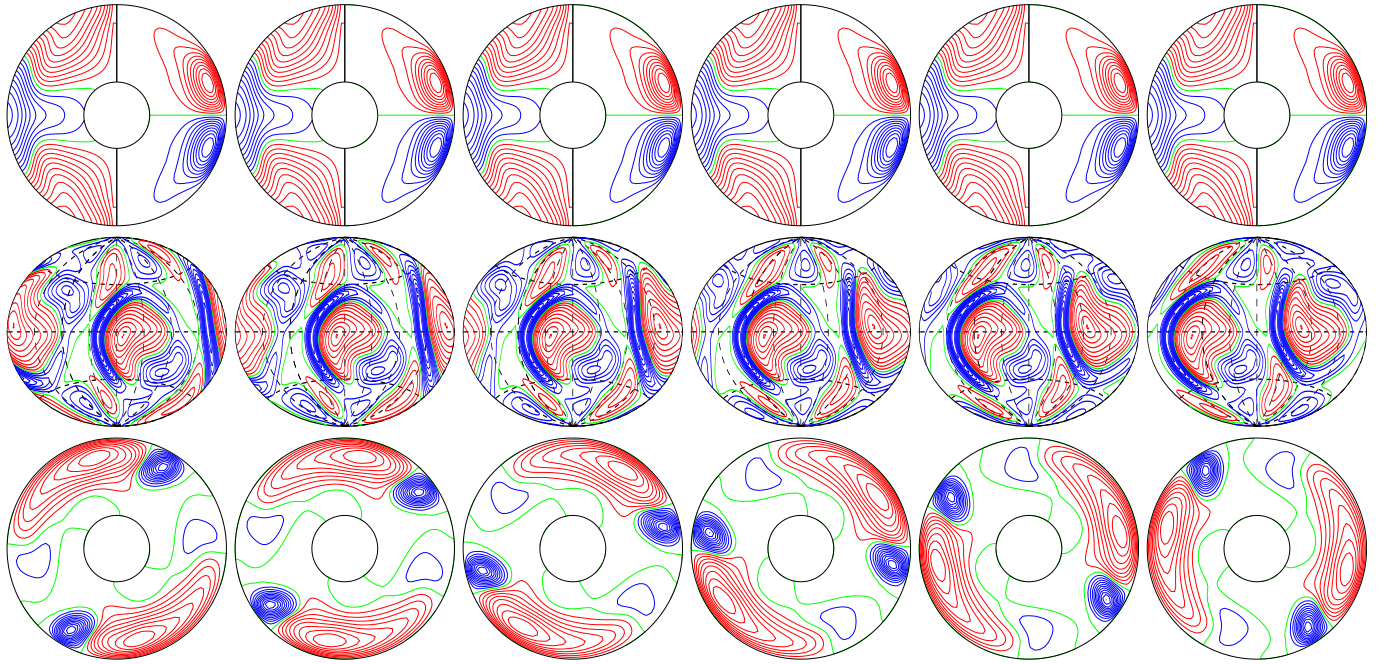
Nusselt Number



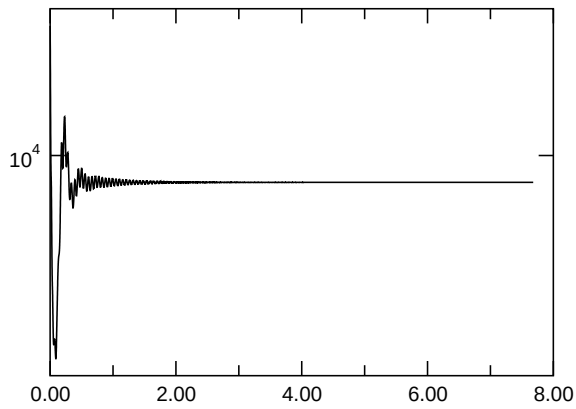
a.e03p1t03r-50000m1n2N2z8.6e4Ya.7

times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

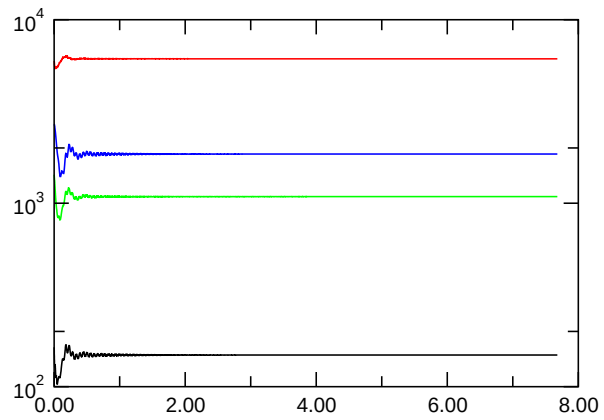
April 21, 2016



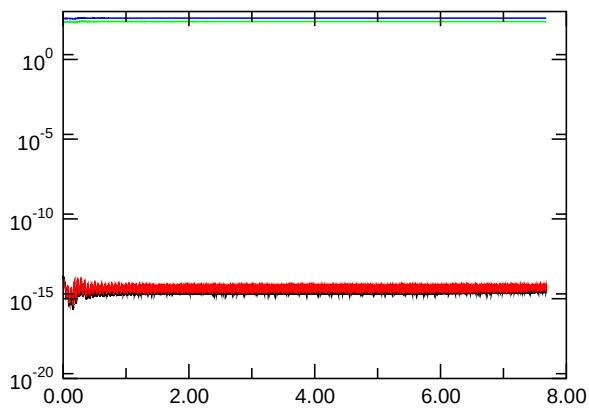
a.e03p1t03r-50000m1n2N2z8.6e4Ya
 E_{kin}



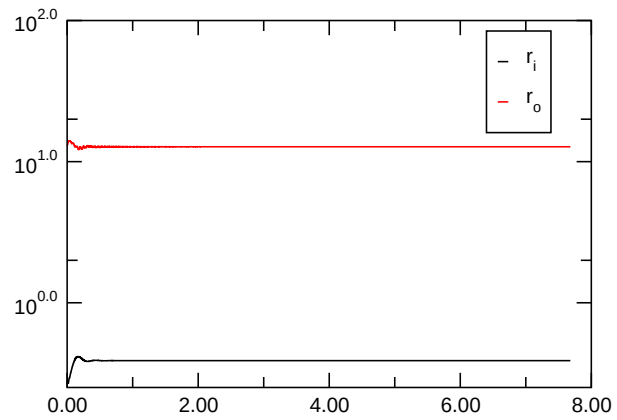
$E_{\text{kin,symm.}}$



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



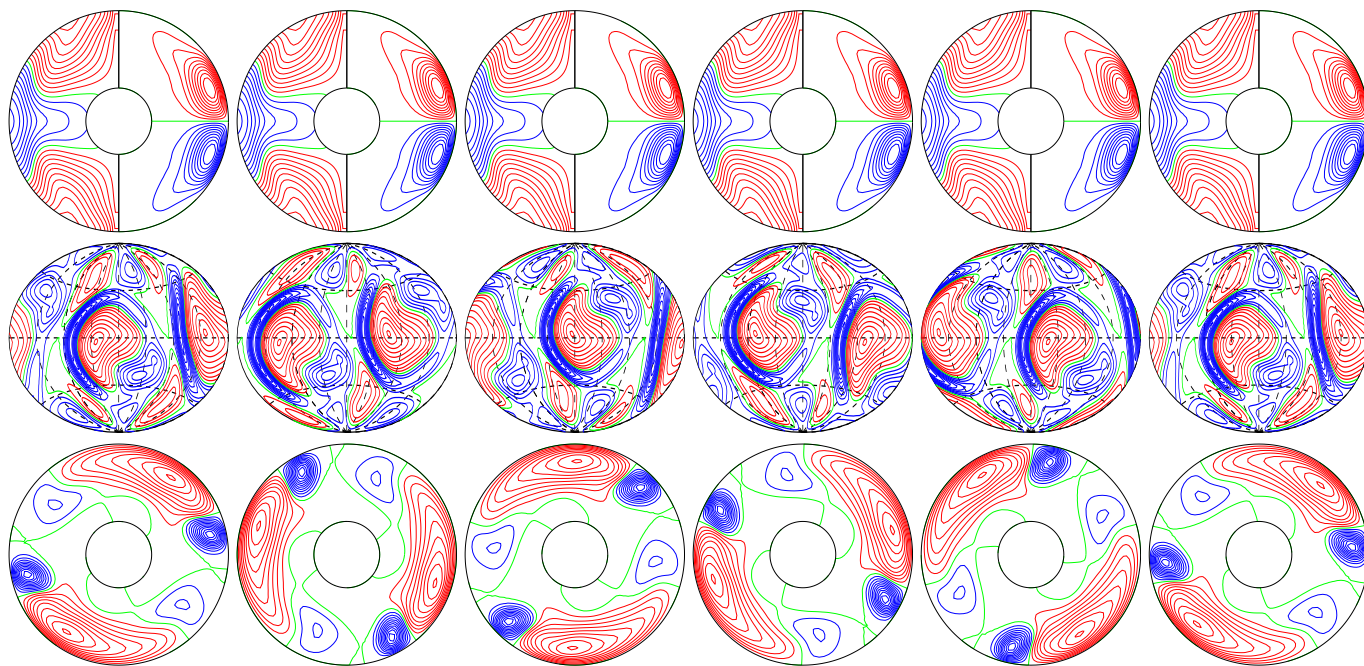
Nusselt Number



a.e03p1t03r-50000m1n2N2z8.8e4Ya.7

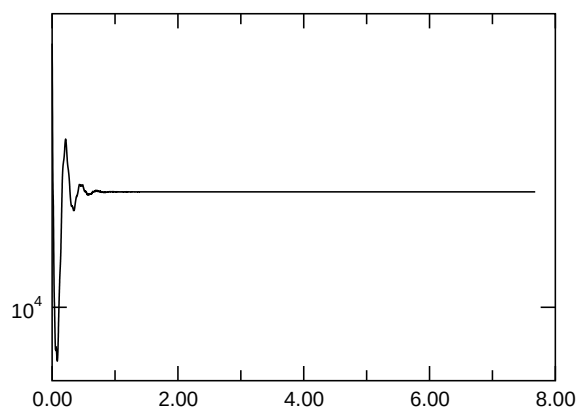
times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

April 21, 2016

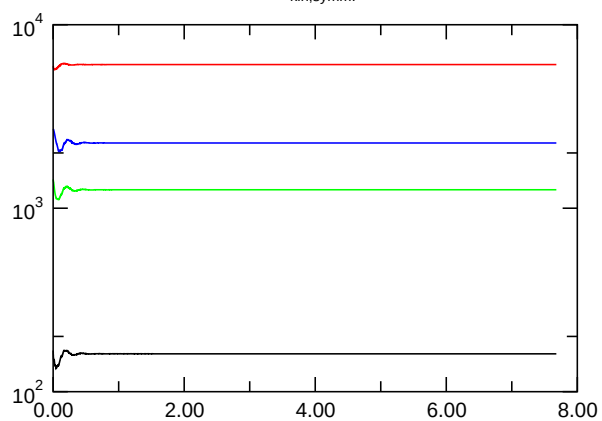


a.e03p1t03r-50000m1n2N2z8.8e4Ya

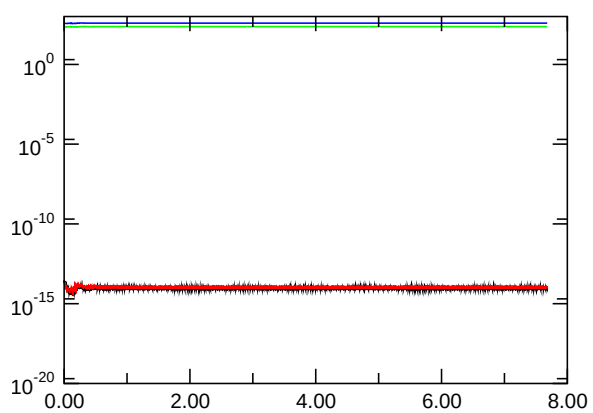
E_{kin}



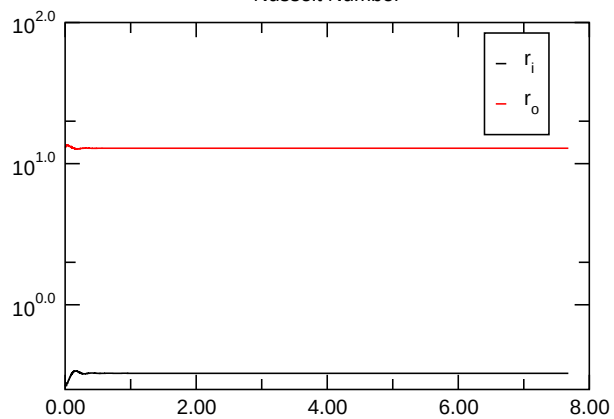
$E_{\text{kin,symm.}}$



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



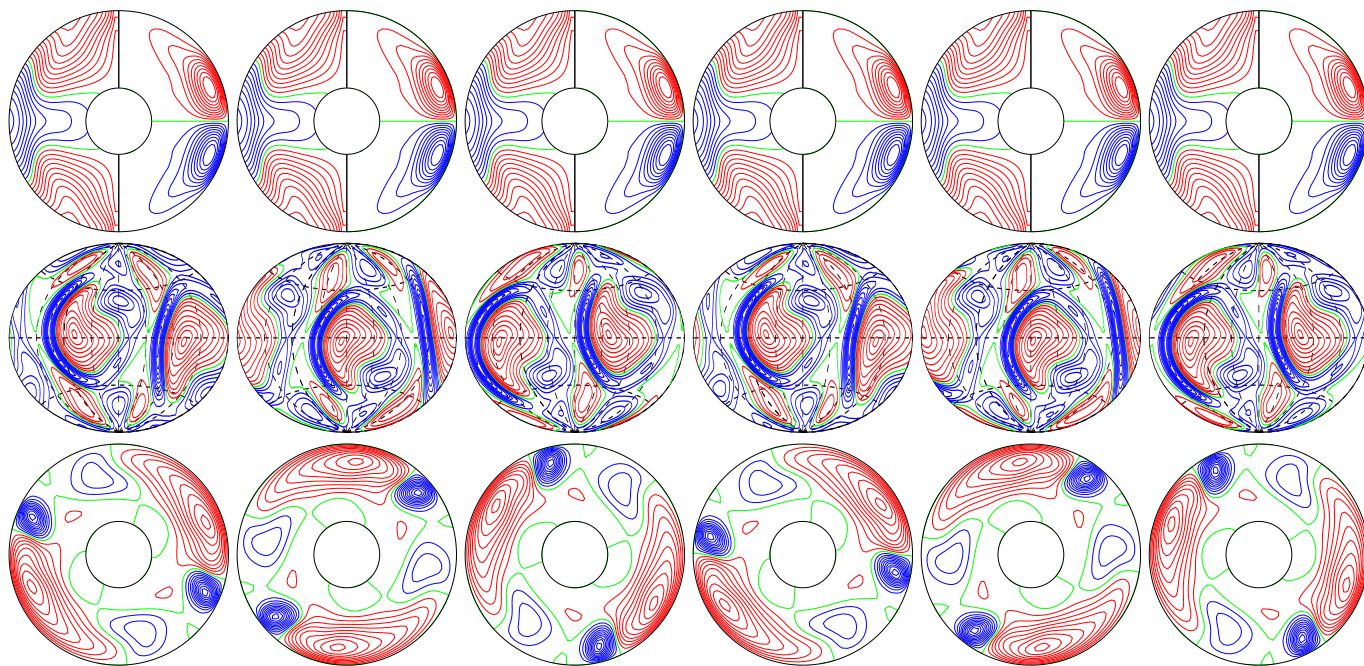
Nusselt Number



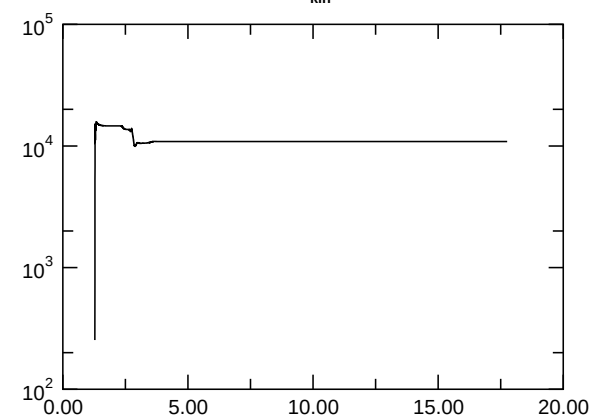
a.e03p1t03r-50000m1n2N2z9.0e4Y.13

times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

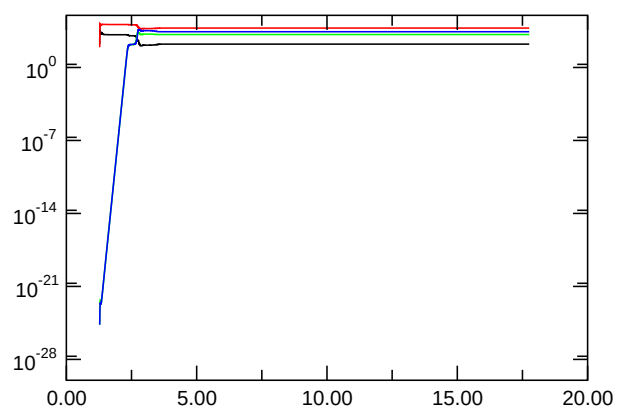
April 21, 2016



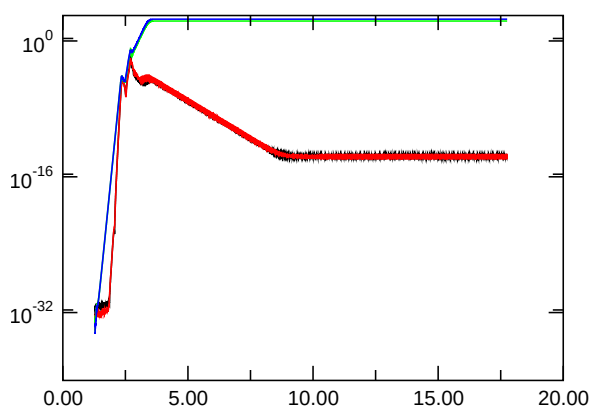
a.e03p1t03r-50000m1n2N2z9.0e4Y
 E_{kin}



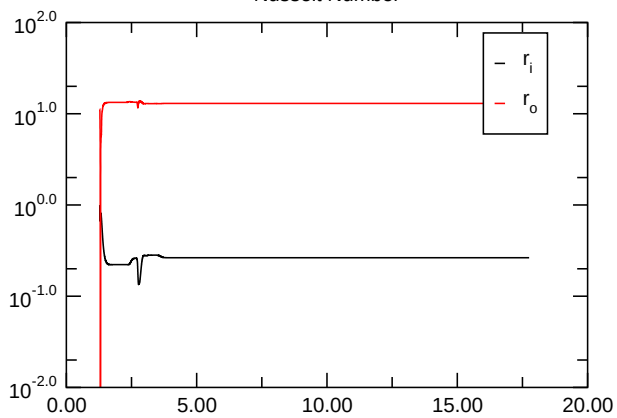
$E_{\text{kin,symm.}}$



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

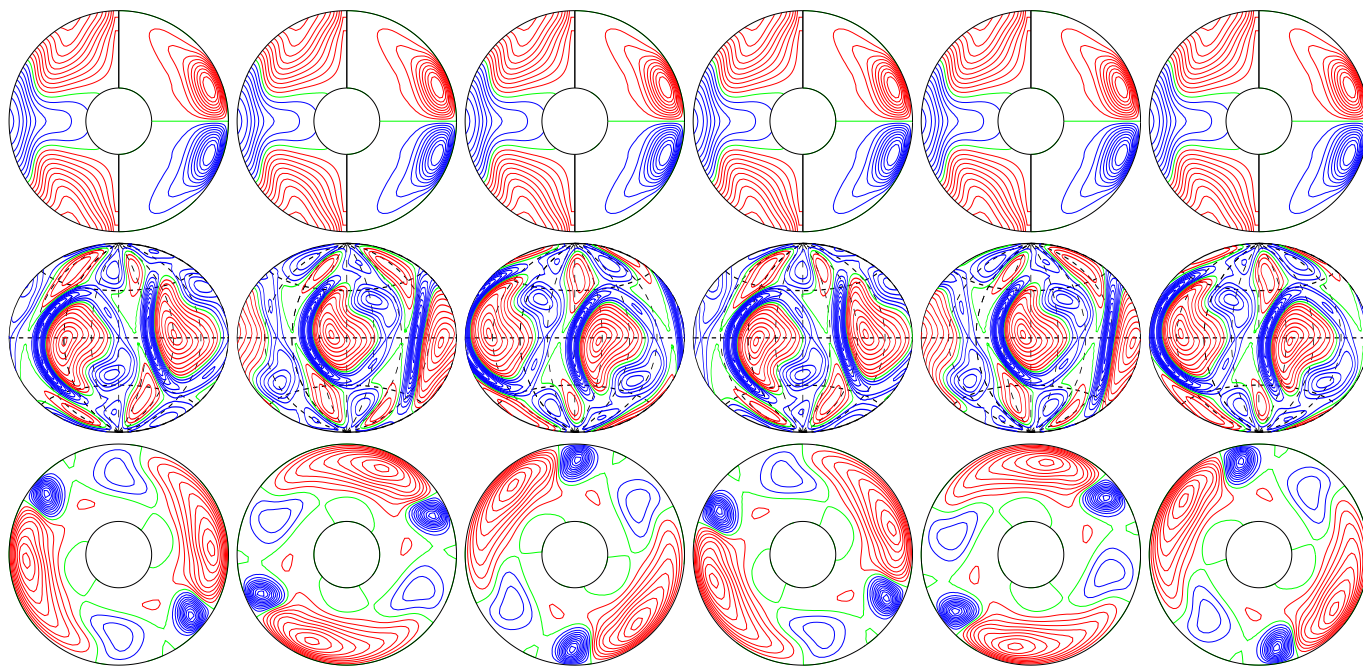


Nusselt Number

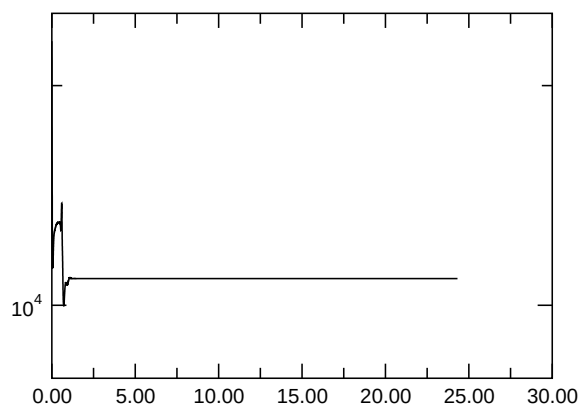


a.e03p1t03r-50000m1n2N2z9.0e4Ya.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

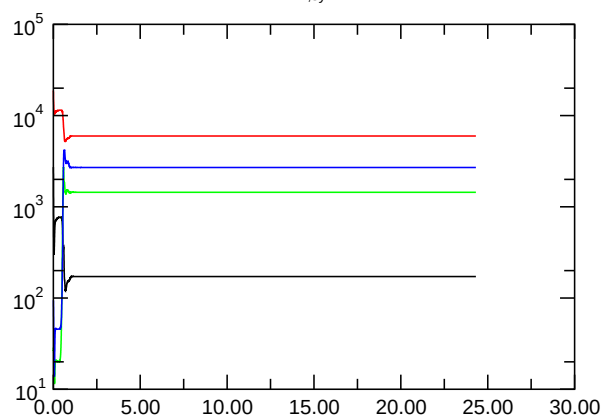
April 21, 2016



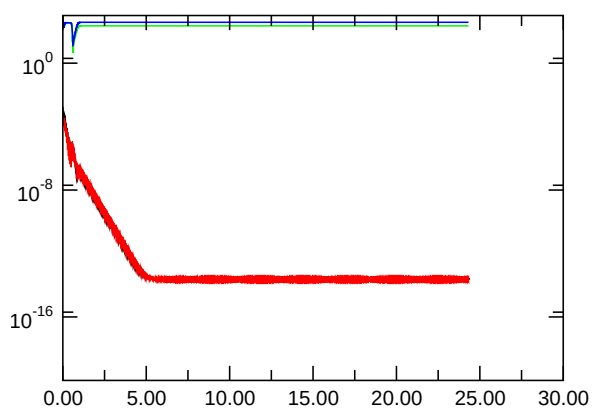
a.e03p1t03r-50000m1n2N2z9.0e4Ya
 E_{kin}



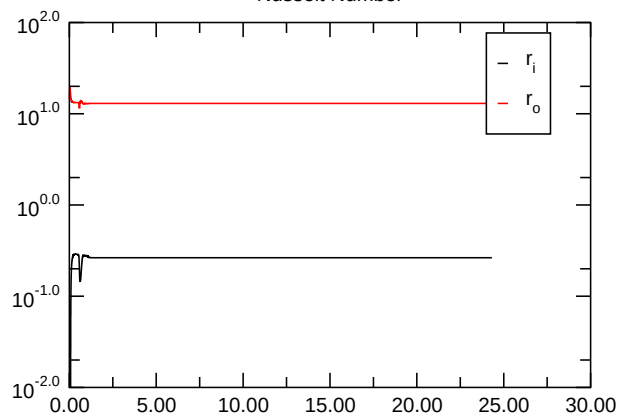
$E_{\text{kin,symm.}}$



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



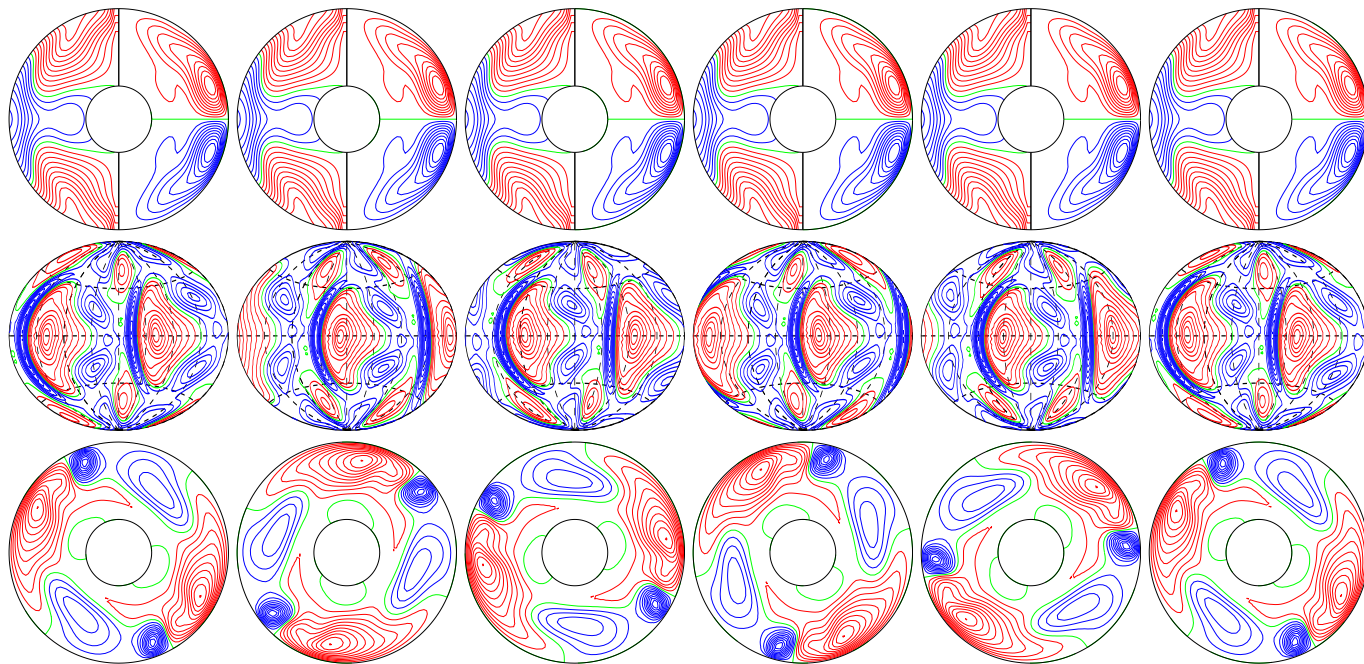
Nusselt Number



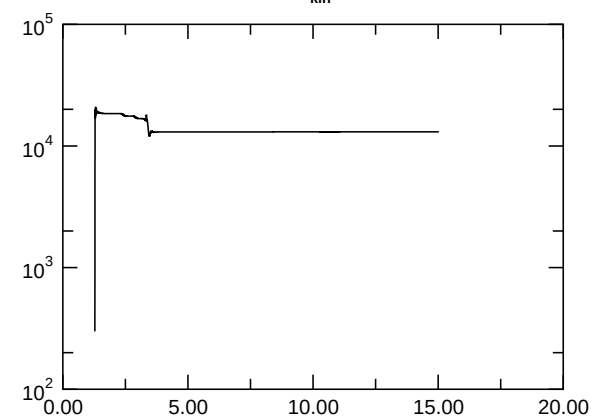
a.e03p1t03r-50000m1n2N2z1.0e5Y.11

times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

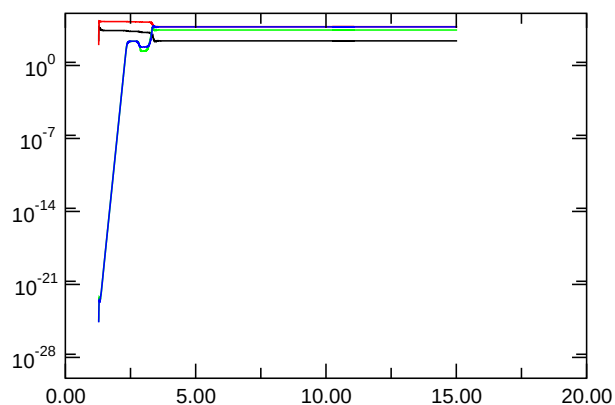
April 21, 2016



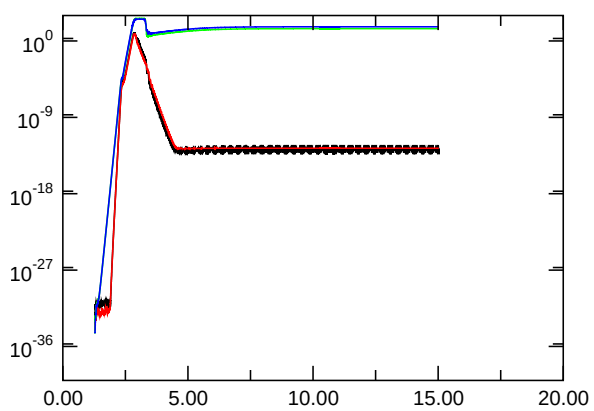
a.e03p1t03r-50000m1n2N2z1.0e5Y
 E_{kin}



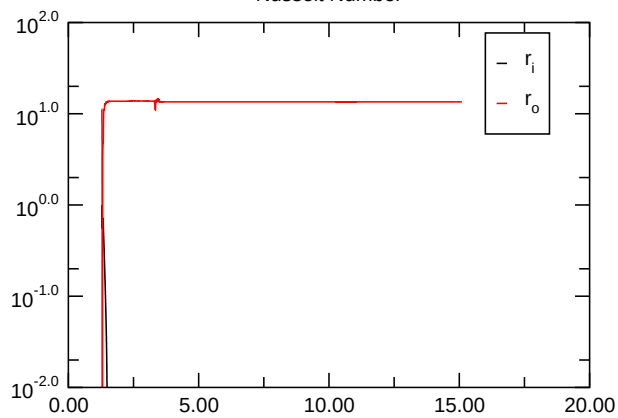
$E_{\text{kin,symm.}}$



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



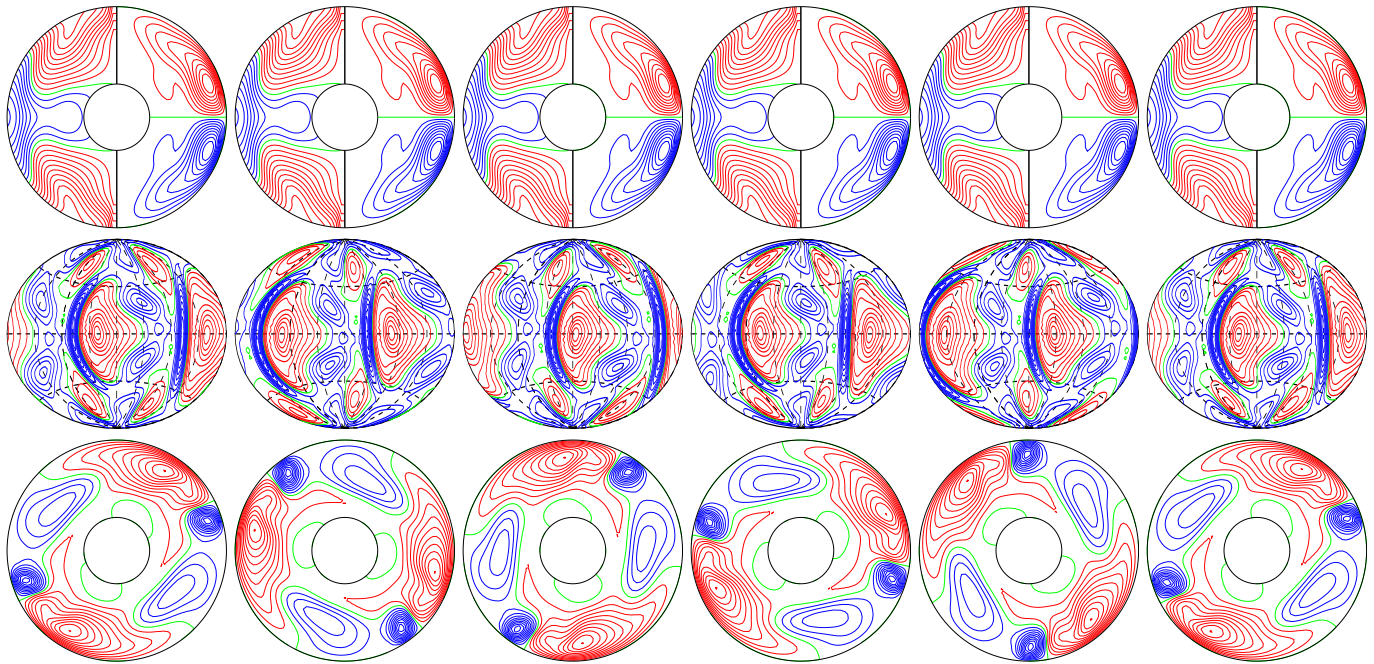
Nusselt Number



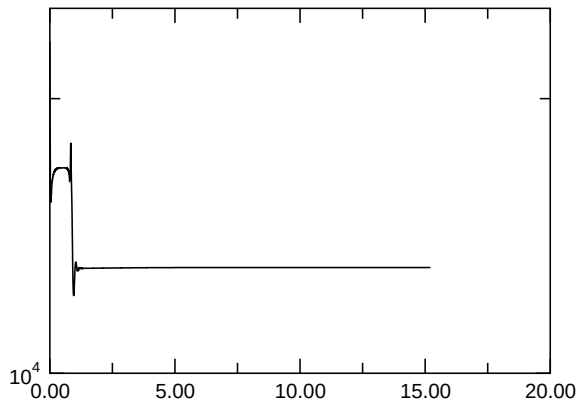
a.e03p1t03r-50000m1n2N2z1.0e5Ya.12

times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

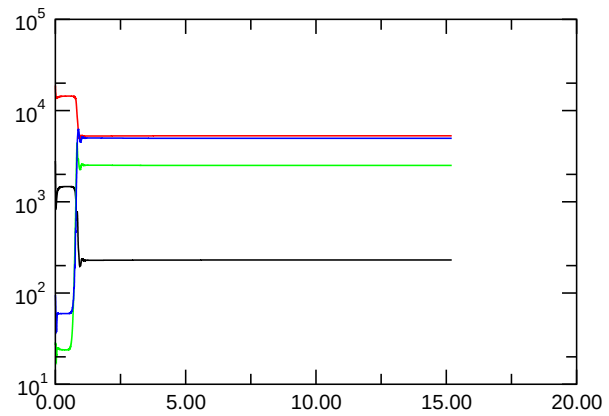
April 21, 2016



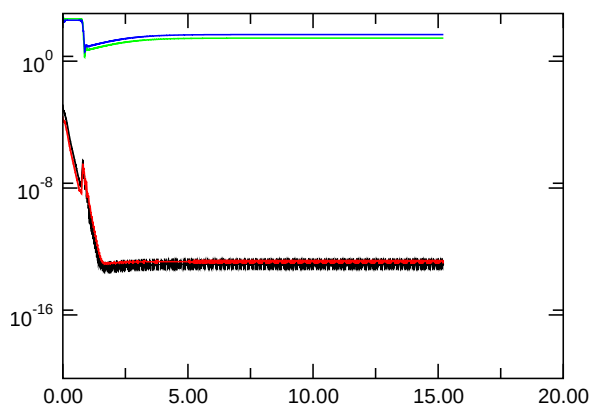
a.e03p1t03r-50000m1n2N2z1.0e5Ya
 E_{kin}



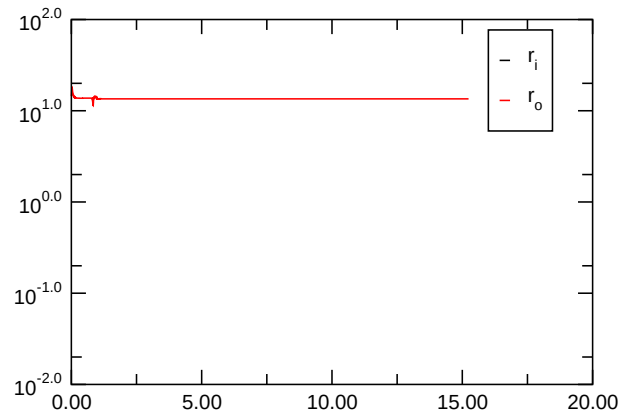
$E_{\text{kin,symm.}}$



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

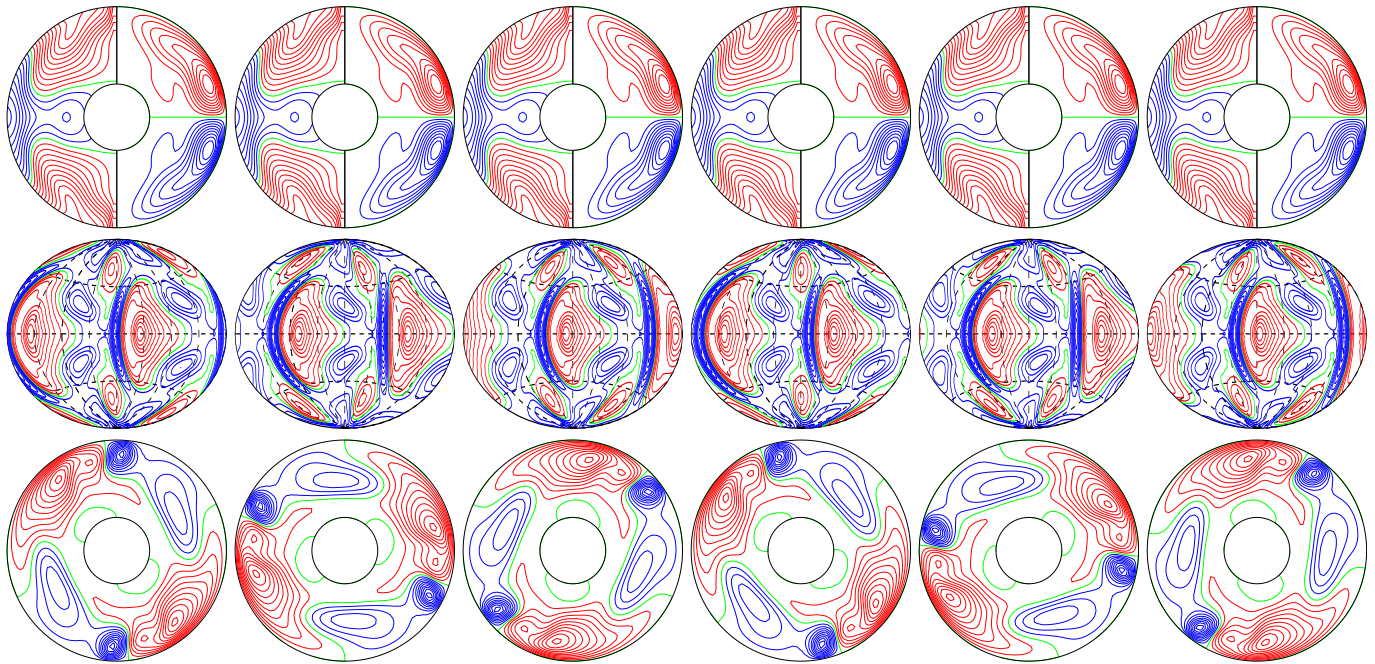


Nusselt Number

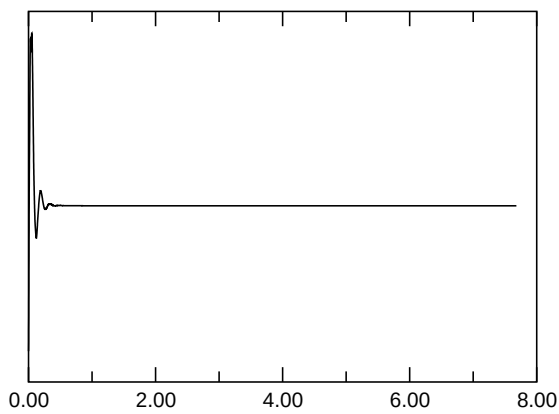


a.e03p1t03r-50000m1n2N2z1.05e5Yb.7
times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

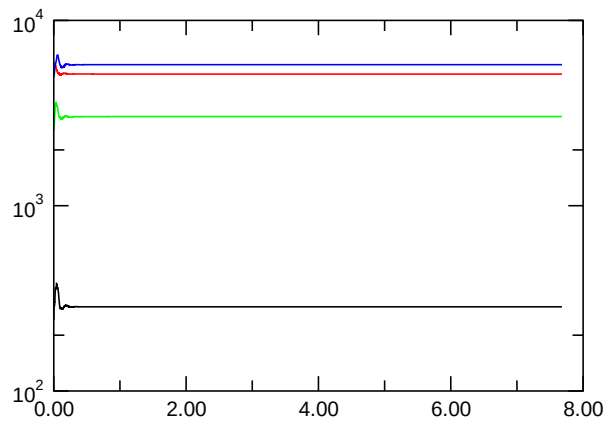
April 21, 2016



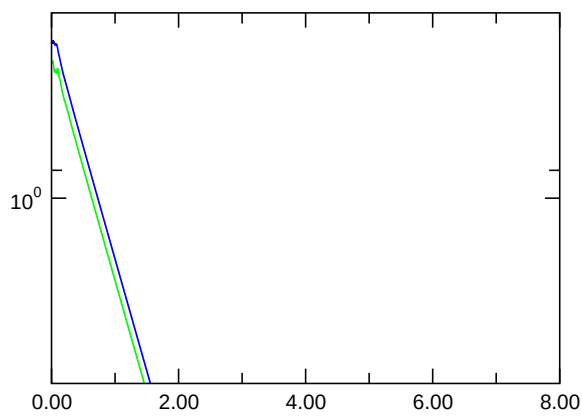
a.e03p1t03r-50000m1n2N2z1.05e5Yb
 E_{kin}



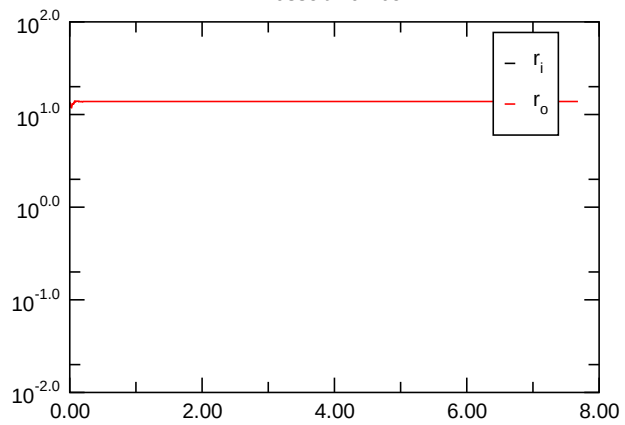
$E_{\text{kin, symm.}}$



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



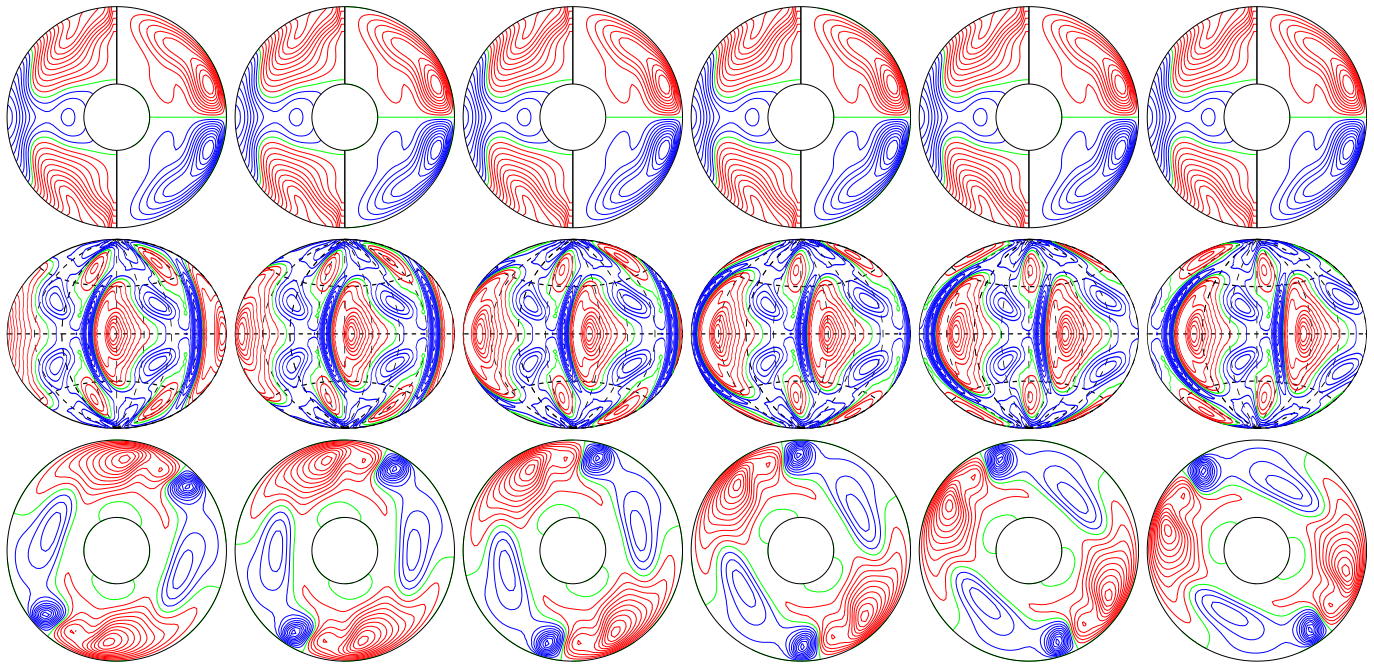
Nusselt Number



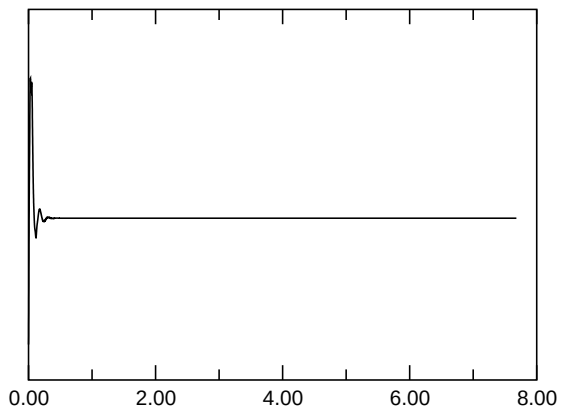
a.e03p1t03r-50000m1n2N2z1.1e5Yb.7

times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

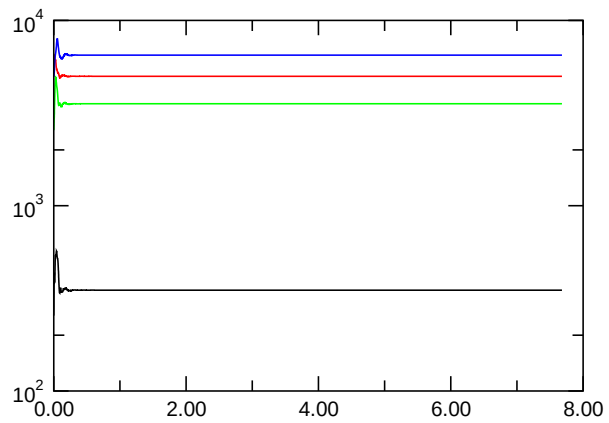
April 21, 2016



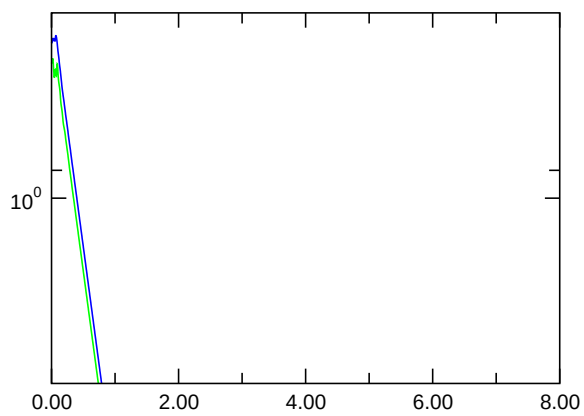
a.e03p1t03r-50000m1n2N2z1.1e5Yb
 E_{kin}



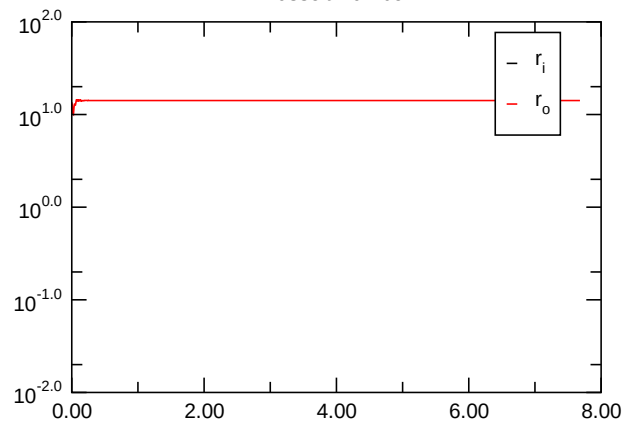
$E_{\text{kin, symm.}}$



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

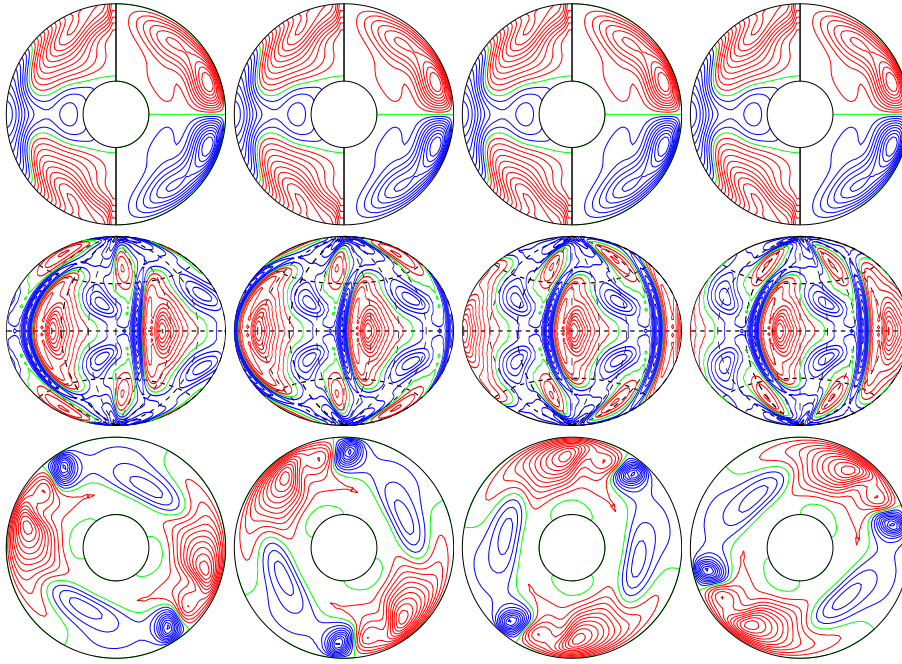


Nusselt Number

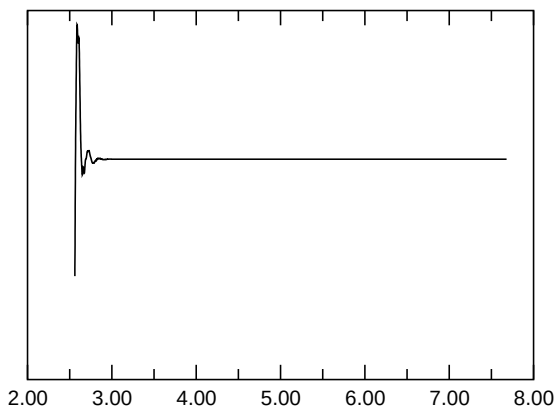


a.e03p1t03r-50000m1n2N2z1.15e5Yb.5
times: 3.840003 5.120004 6.400005 7.680006

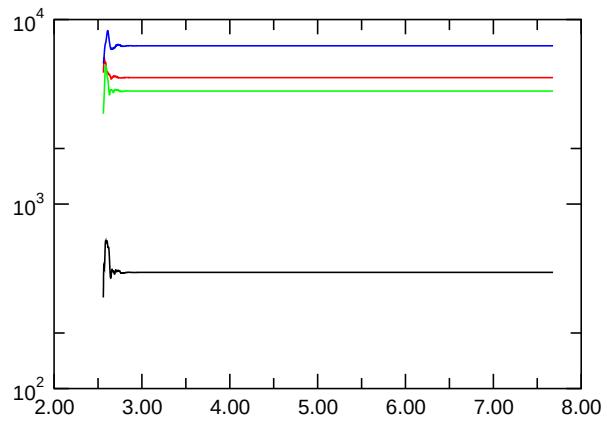
April 21, 2016



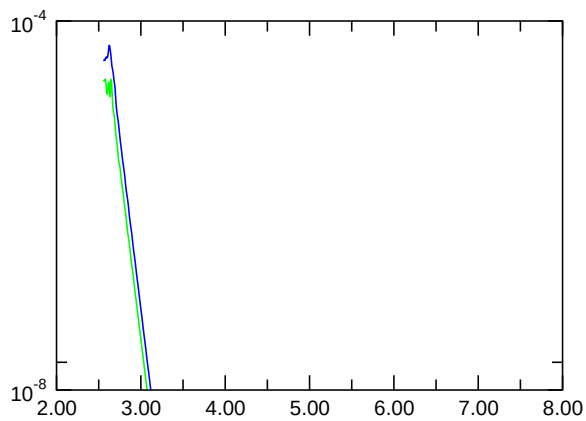
a.e03p1t03r-50000m1n2N2z1.15e5Yb
 E_{kin}



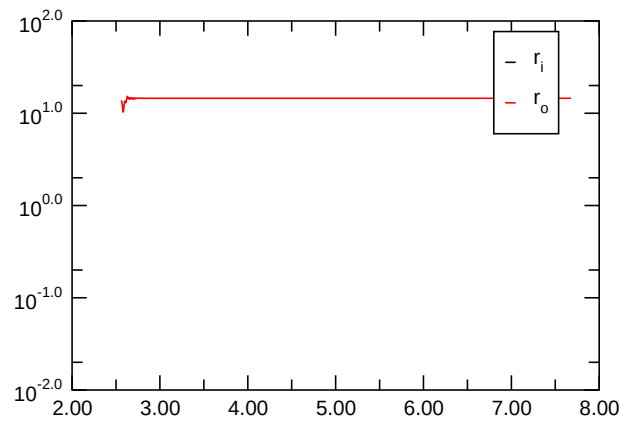
$E_{\text{kin,symm.}}$



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

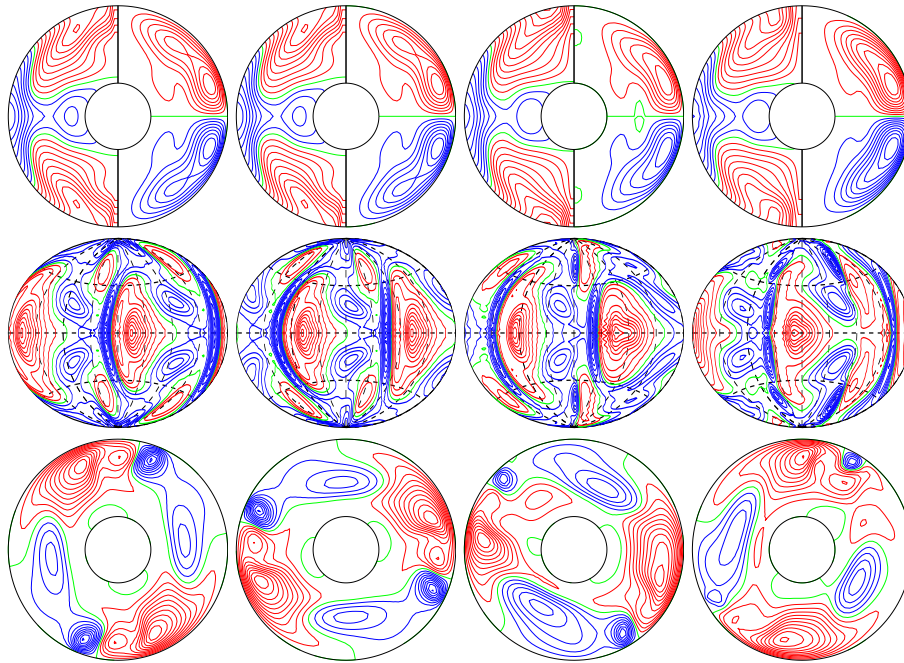


Nusselt Number

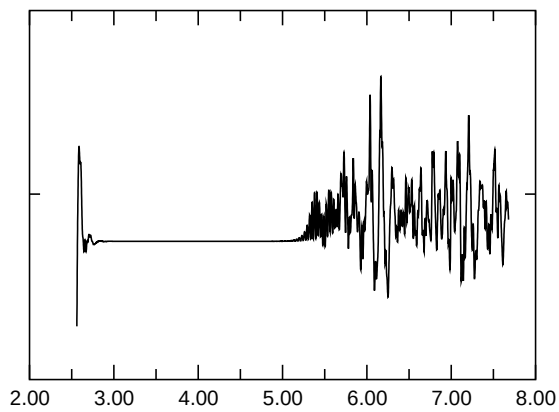


a.e03p1t03r-50000m1n2N2z1.2e5Yb.5
times: 3.840003 5.120004 6.400005 7.680006

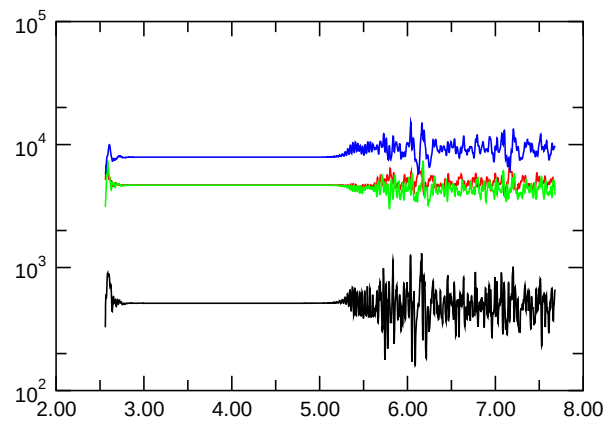
April 21, 2016



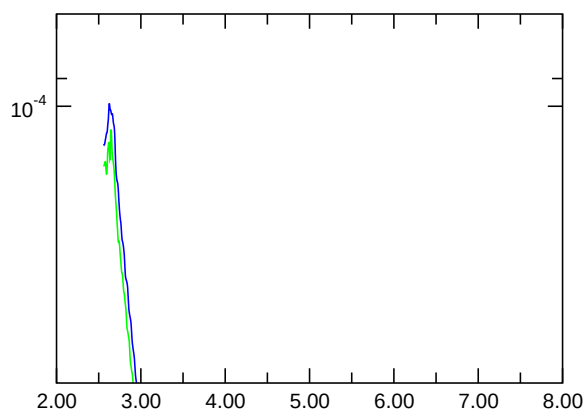
a.e03p1t03r-50000m1n2N2z1.2e5Yb
 E_{kin}



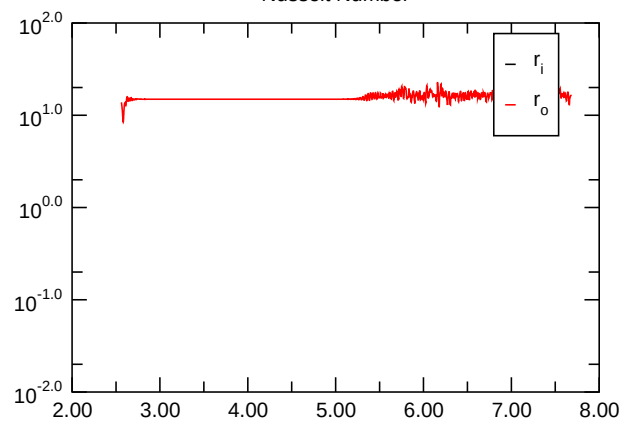
$E_{\text{kin,symm.}}$



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

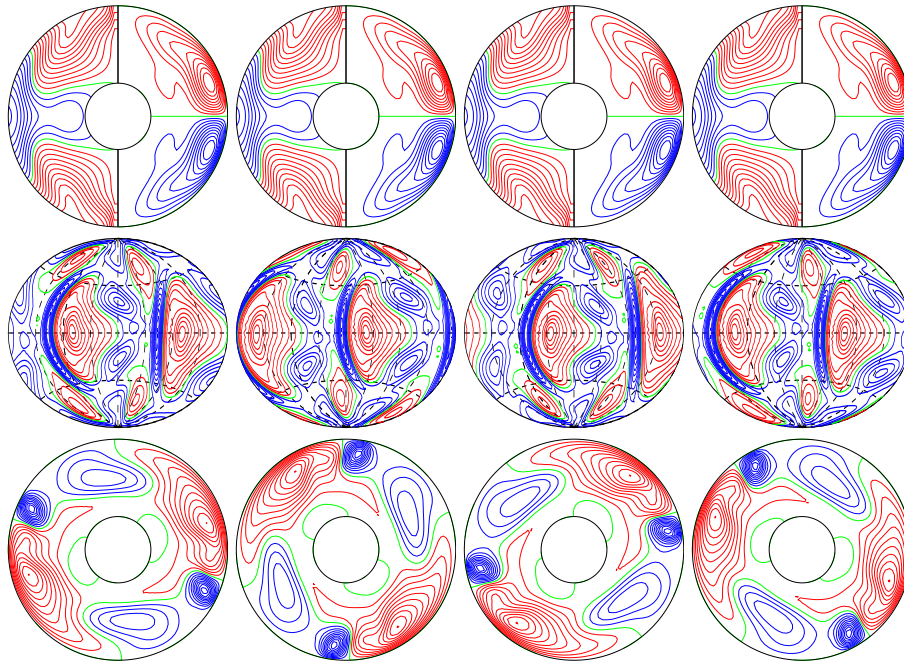


Nusselt Number

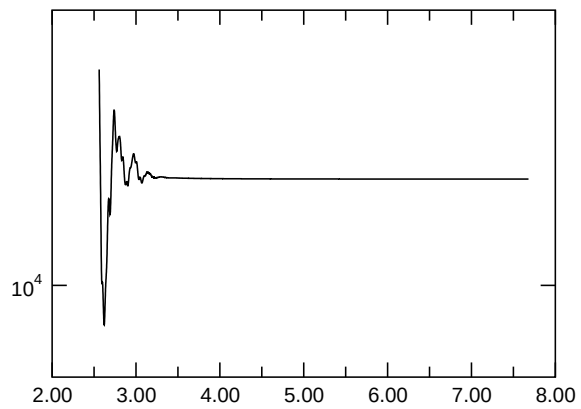


a.e03p1t03r-50000m1n2N2z1.0e5Yaa.5
times: 3.840003 5.120004 6.400005 7.680006

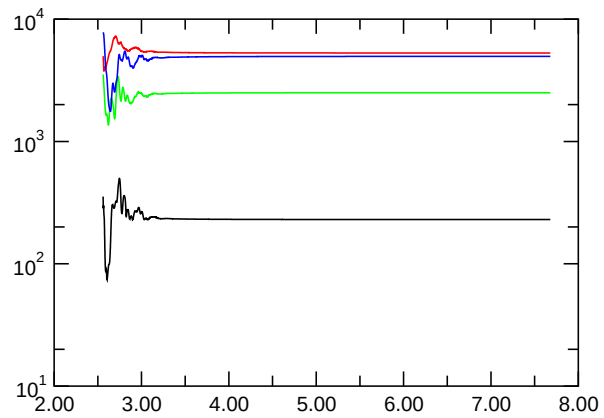
April 21, 2016



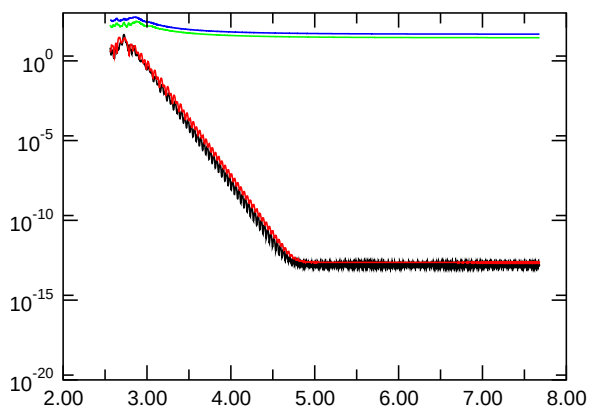
a.e03p1t03r-50000m1n2N2z1.0e5Yaa
 E_{kin}



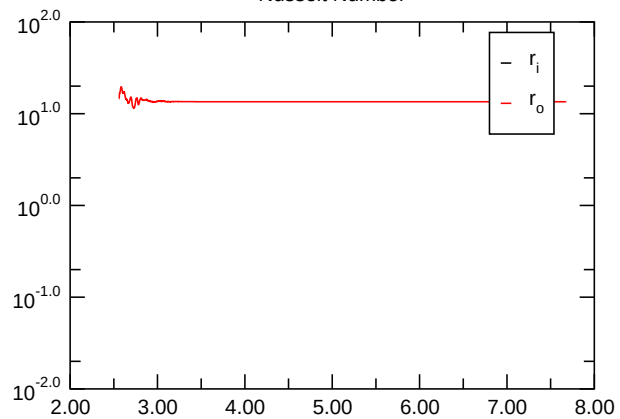
$E_{\text{kin,symm.}}$



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

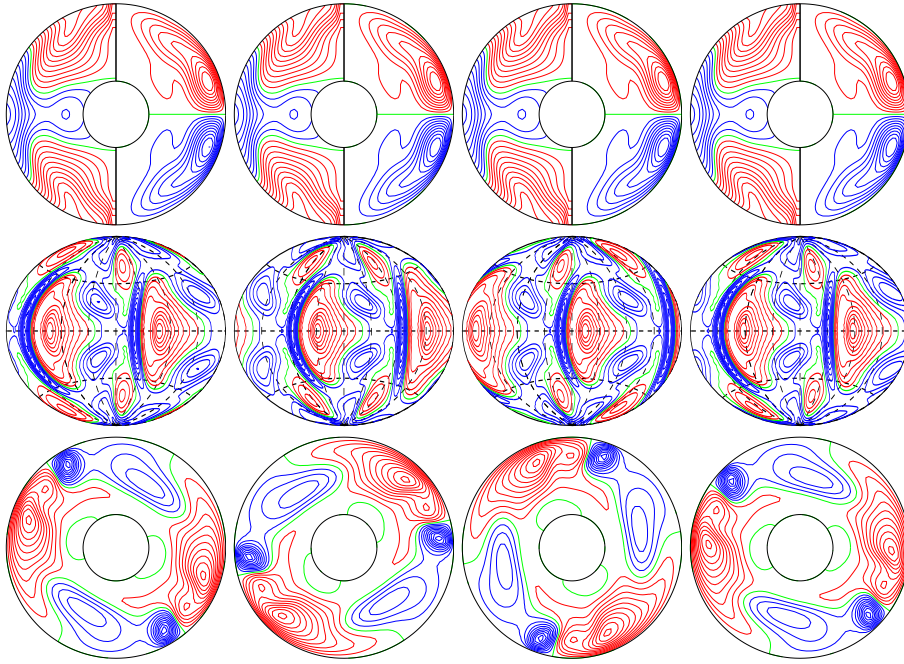


Nusselt Number

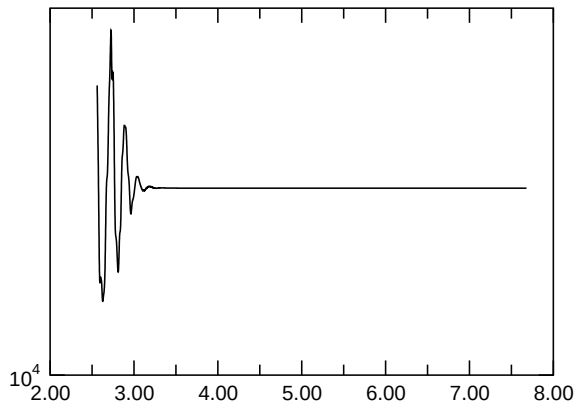


a.e03p1t03r-50000m1n2N2z1.05e5Ya.5
times: 3.840003 5.120004 6.400005 7.680006

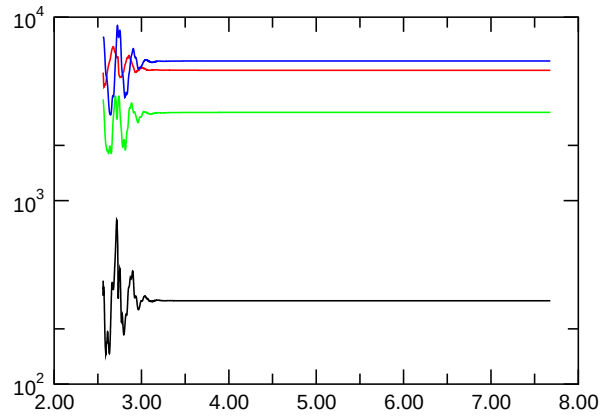
April 21, 2016



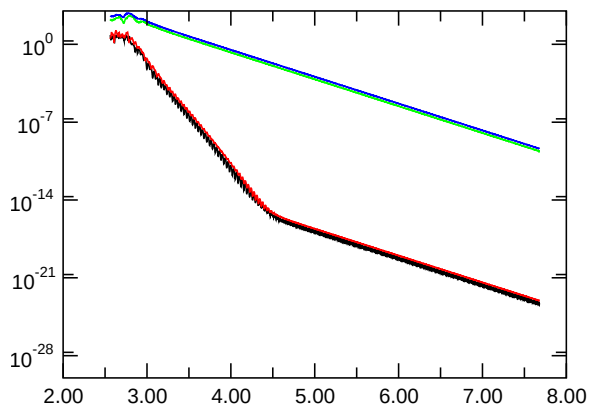
a.e03p1t03r-50000m1n2N2z1.05e5Ya
 E_{kin}



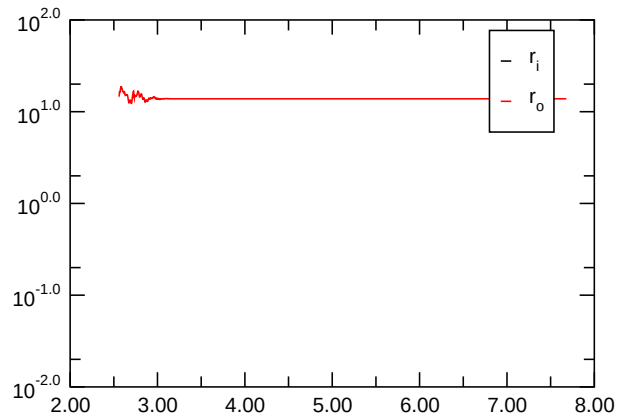
$E_{\text{kin,symm.}}$



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

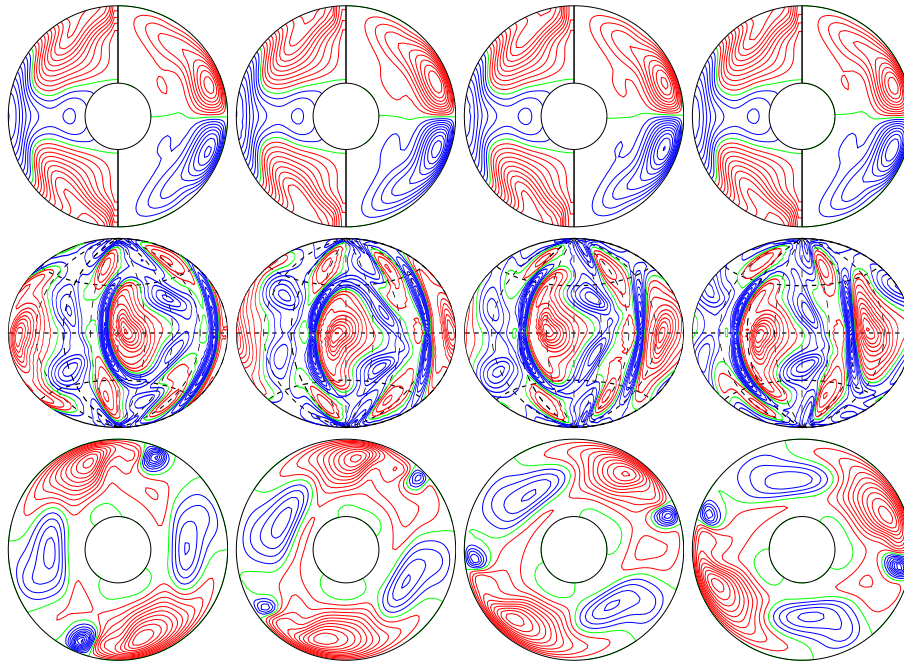


Nusselt Number

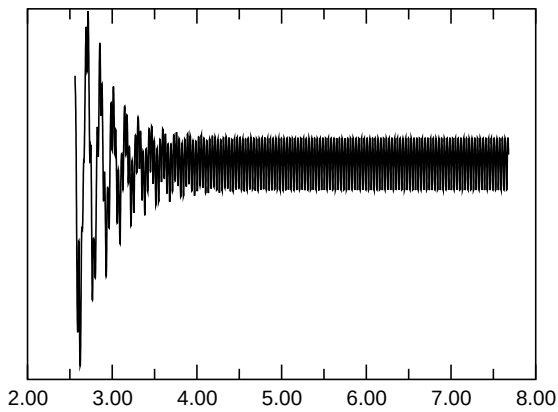


a.e03p1t03r-50000m1n2N2z1.1e5Ya.5
times: 3.840003 5.120004 6.400005 7.680006

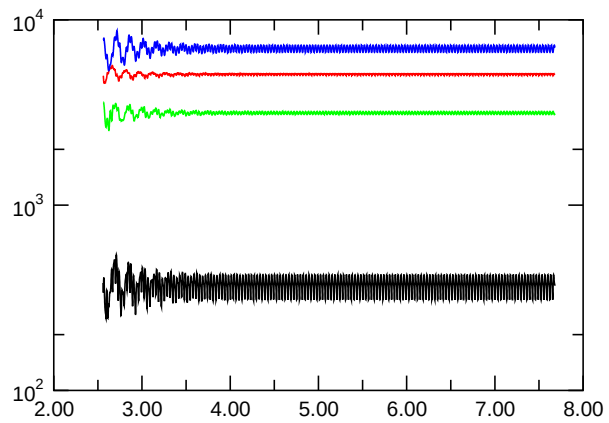
April 21, 2016



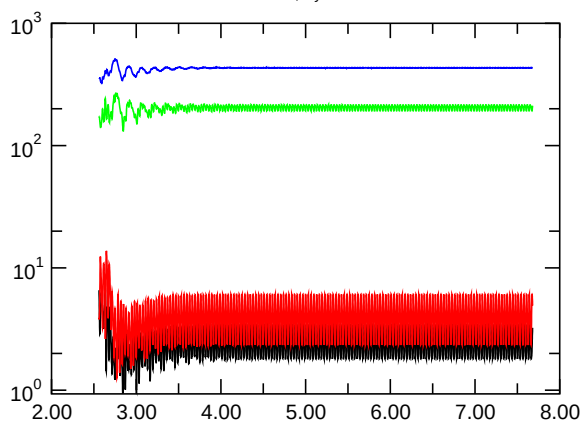
a.e03p1t03r-50000m1n2N2z1.1e5Ya
 E_{kin}



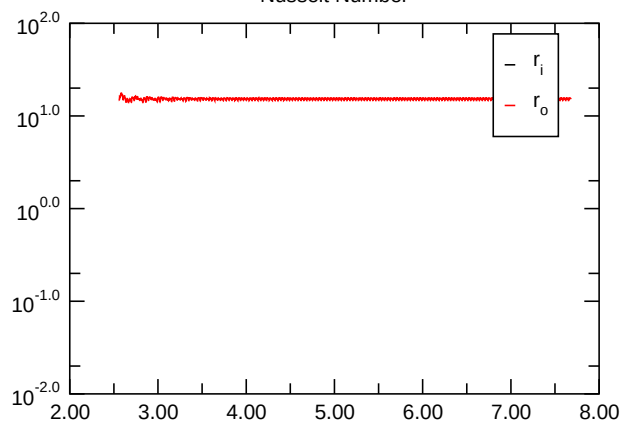
$E_{\text{kin,symm.}}$



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

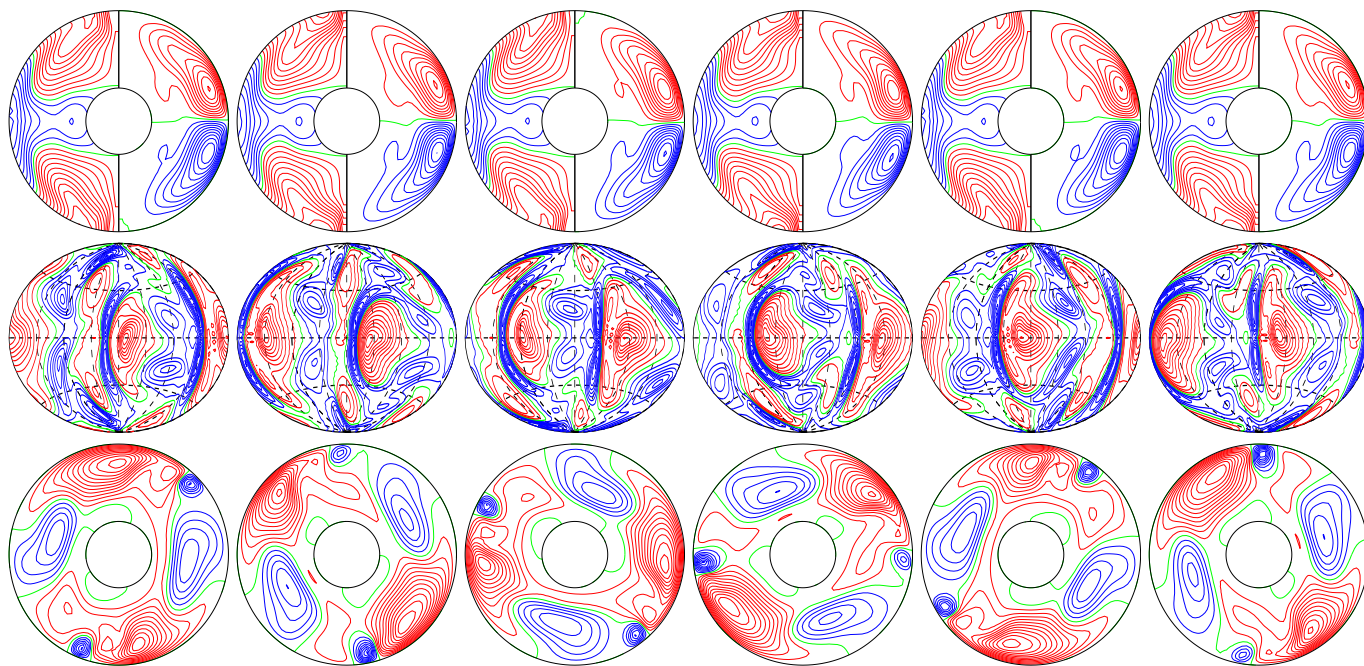


Nusselt Number

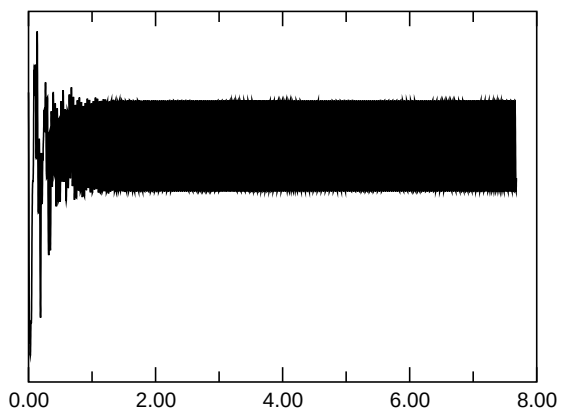


a.e03p1t03r-50000m1n2N2z1.15e5Ya.7
times: 1.280001 2.560002 3.840003 5.120004 6.400005 7.680006

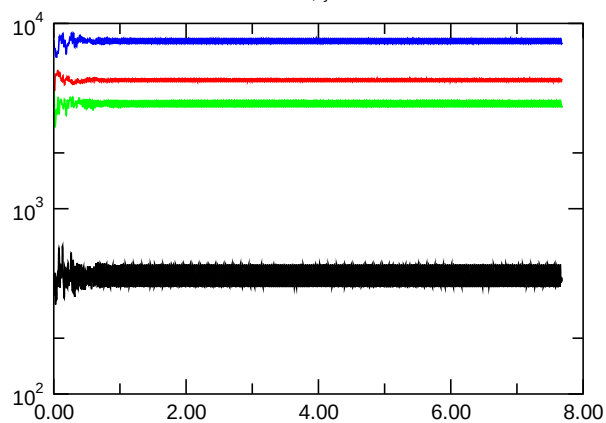
April 21, 2016



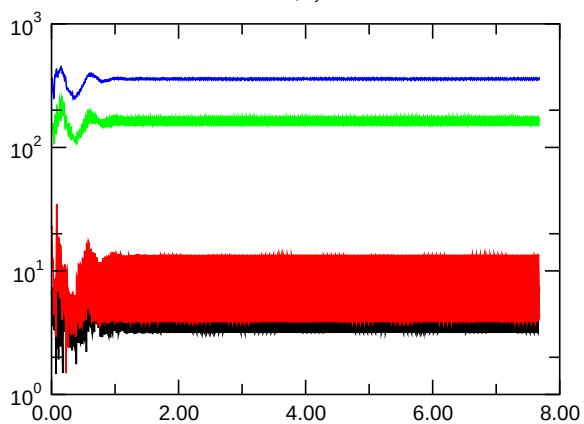
a.e03p1t03r-50000m1n2N2z1.15e5Ya
 E_{kin}



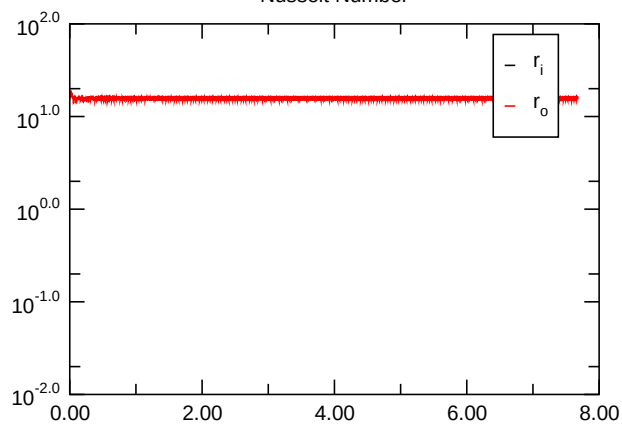
$E_{\text{kin,symm.}}$



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



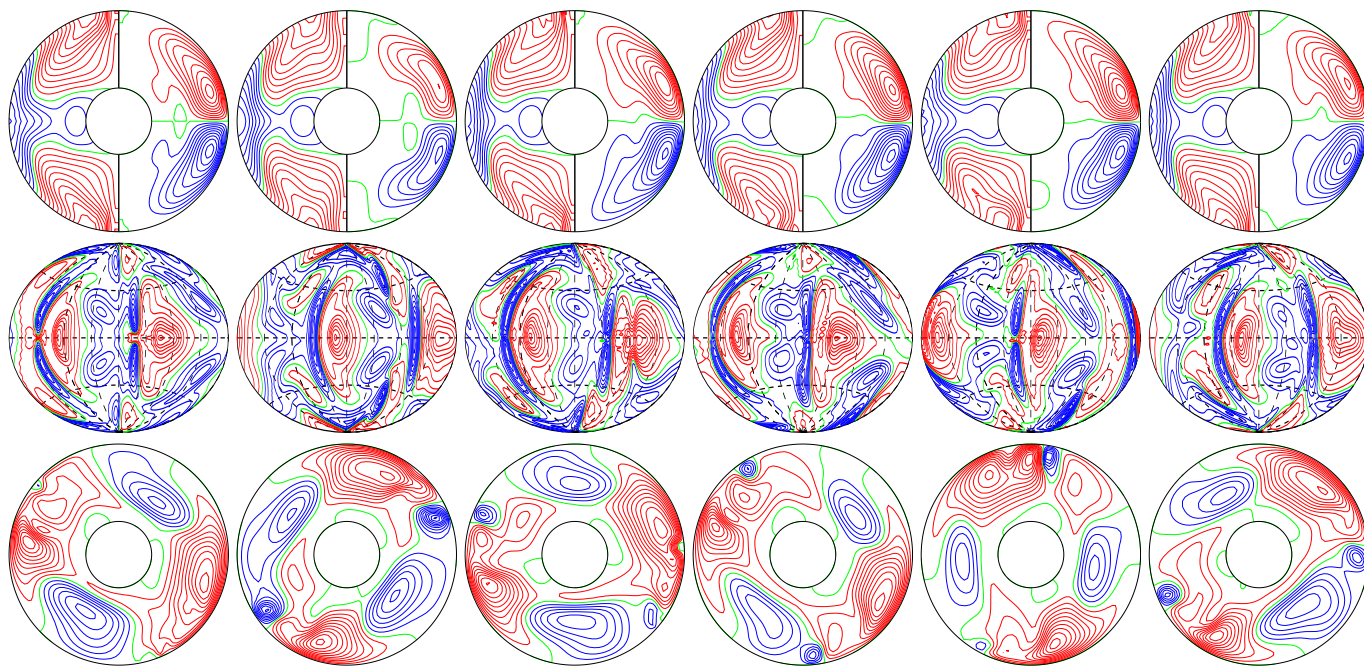
Nusselt Number



a.e03p1t03r-50000m1n2N2z1.2e5Y.12

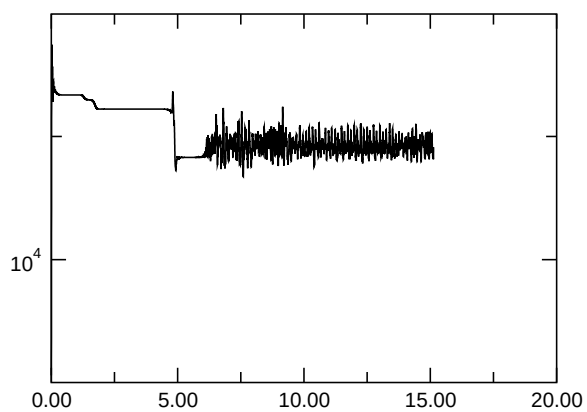
times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

April 21, 2016

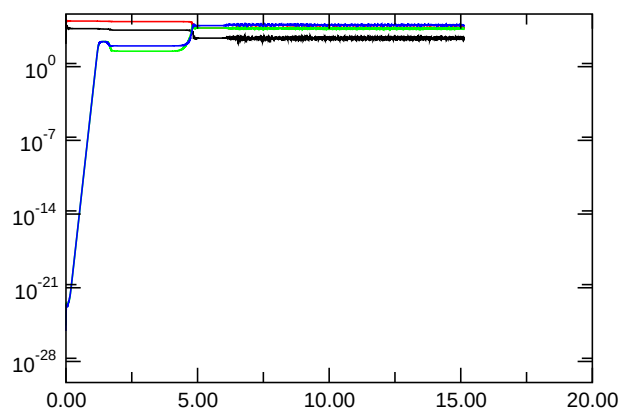


a.e03p1t03r-50000m1n2N2z1.2e5Y

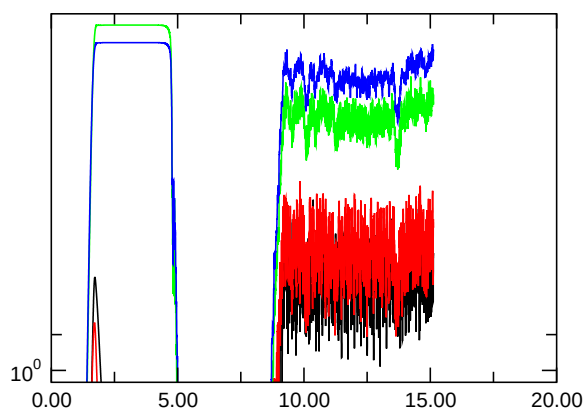
E_{kin}



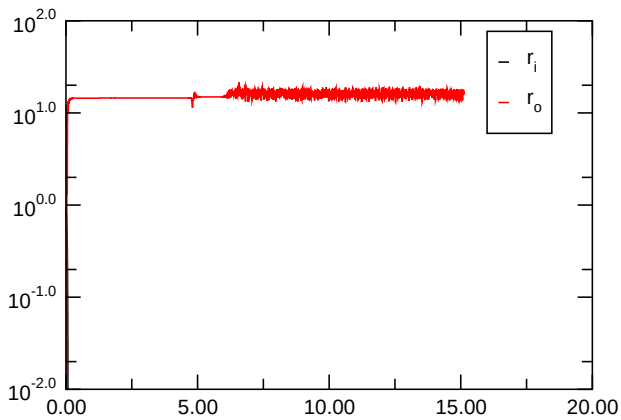
$E_{\text{kin,symm.}}$



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



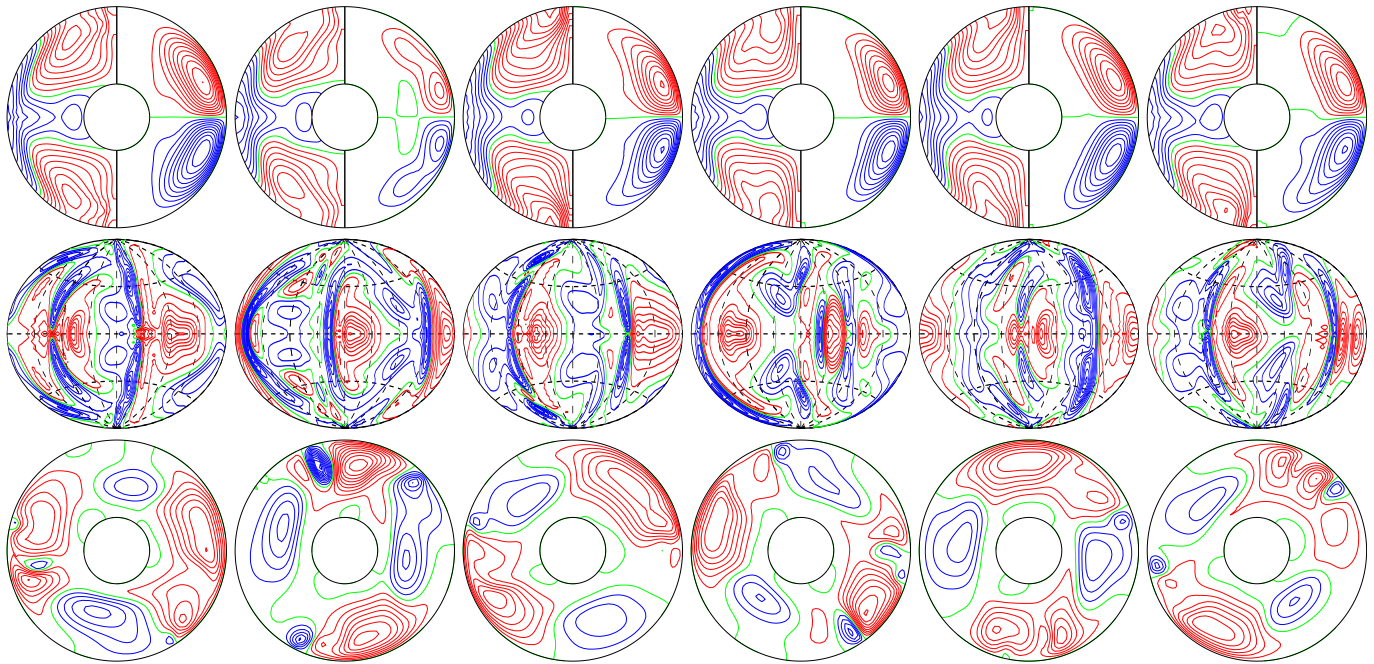
Nusselt Number



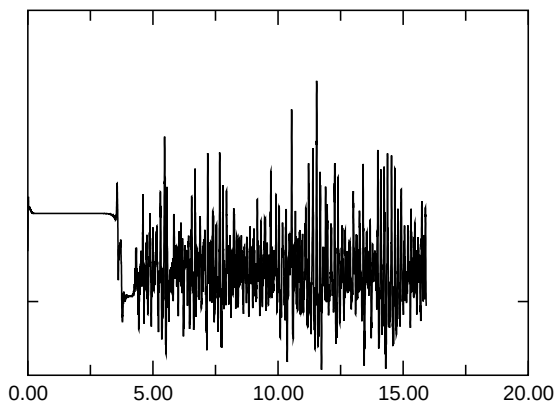
a.e03p1t03r-50000m1n2N2z1.3e5Y.19

times: 8.960007 10.24001 11.52001 12.80001 14.08001 15.36001

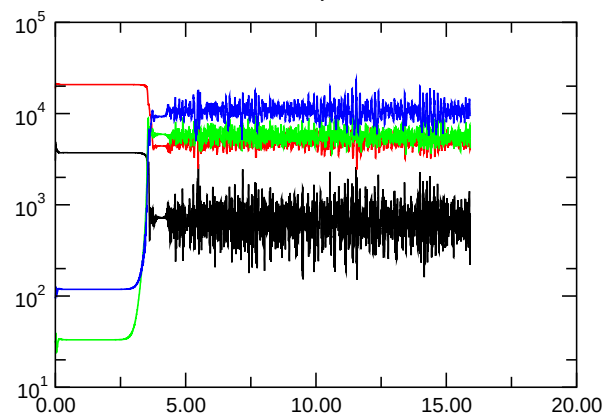
April 21, 2016



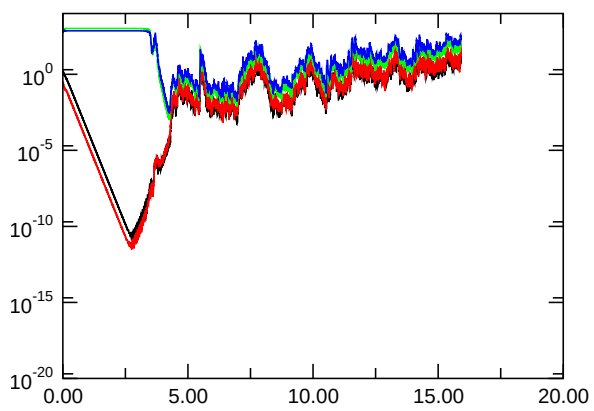
a.e03p1t03r-50000m1n2N2z1.3e5Y
 E_{kin}



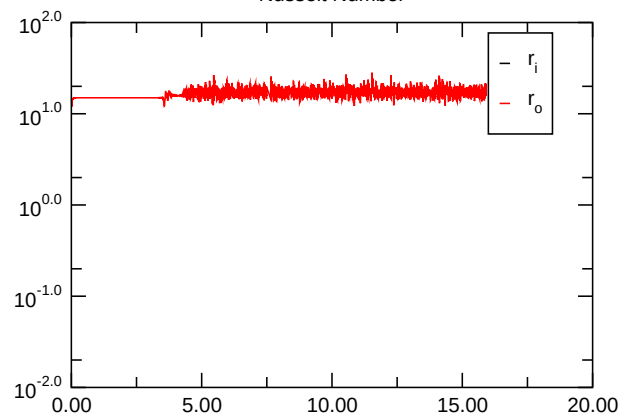
$E_{\text{kin,symm.}}$



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



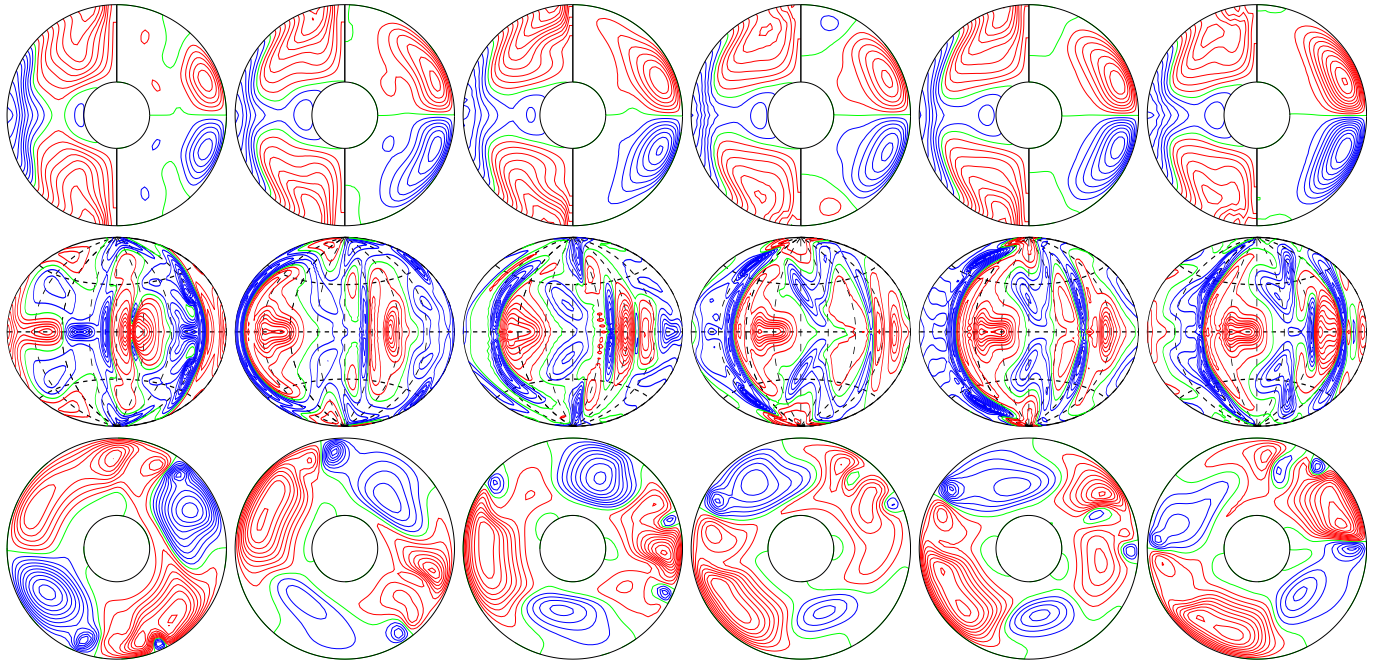
Nusselt Number



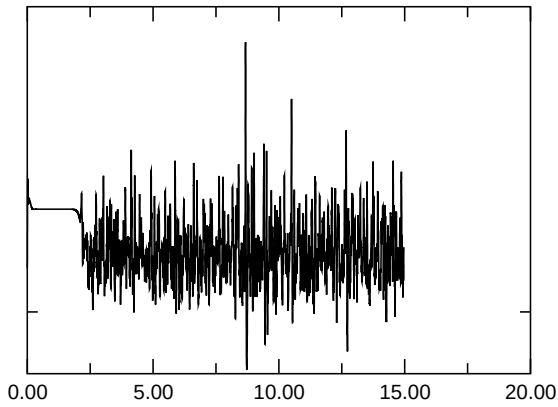
a.e03p1t03r-50000m1n2N2z1.4e5Y.14

times: 8.320007 9.600008 10.88001 12.16001 13.44001 14.72001

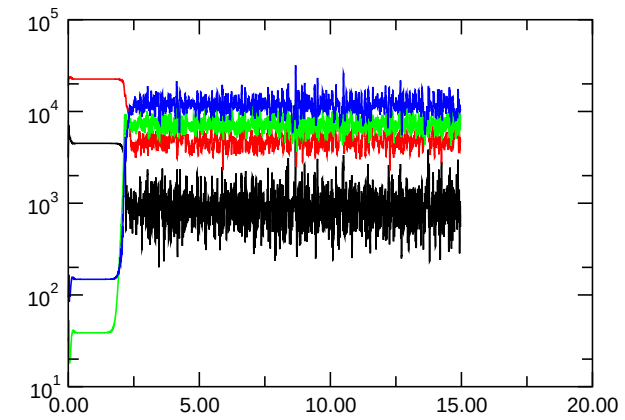
April 21, 2016



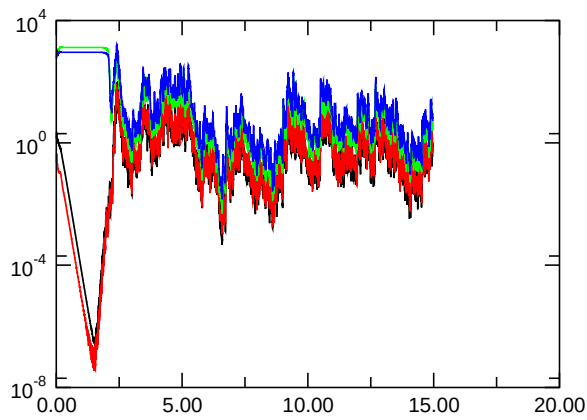
a.e03p1t03r-50000m1n2N2z1.4e5Y
 E_{kin}



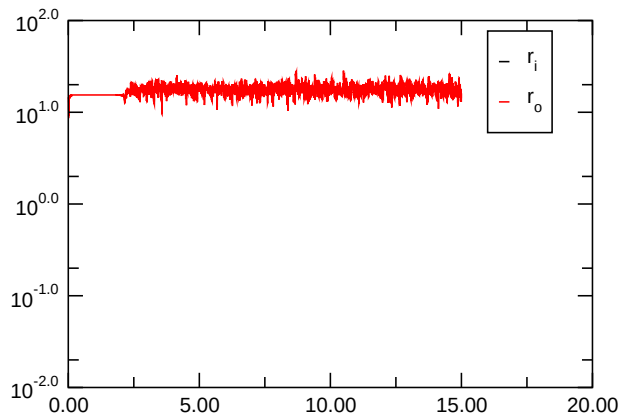
$E_{\text{kin,symm.}}$



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



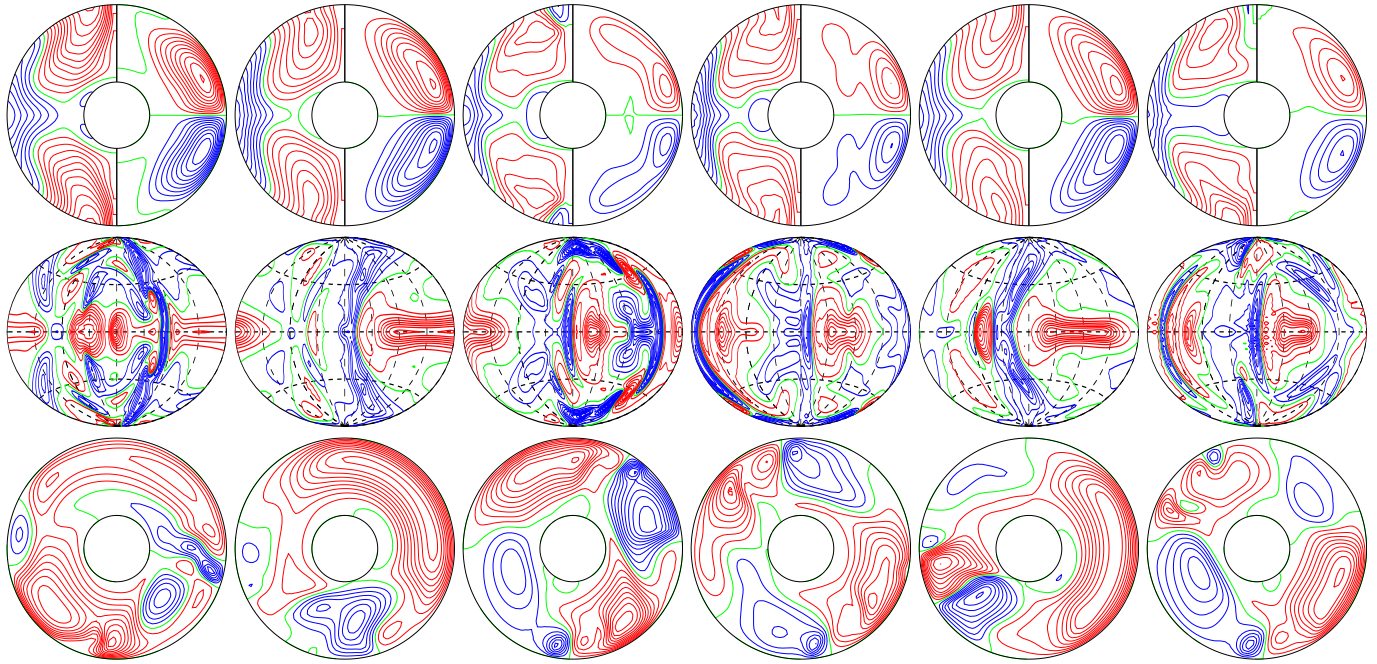
Nusselt Number



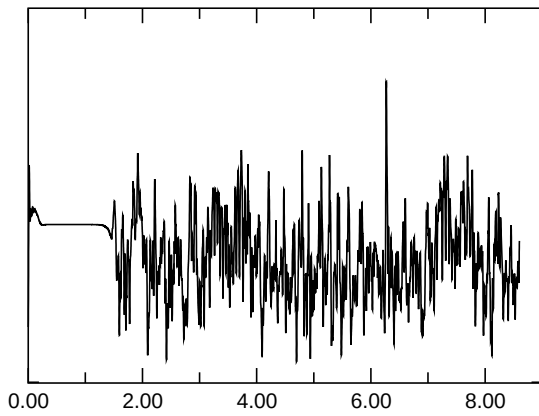
a.e03p1t03r-50000m1n2N2z1.5e5Y.9

April 21, 2016

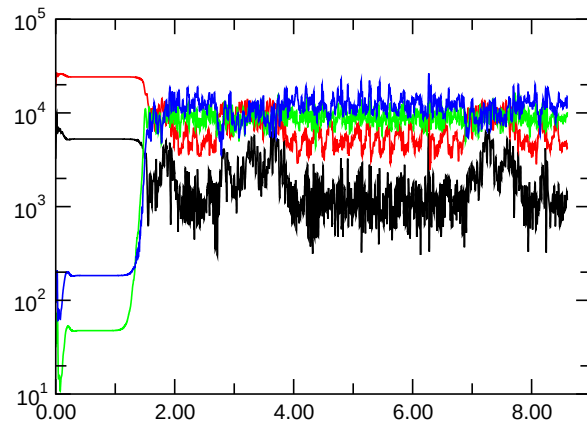
times: 1.920002 3.200003 4.480004 5.760005 7.040006 8.320007



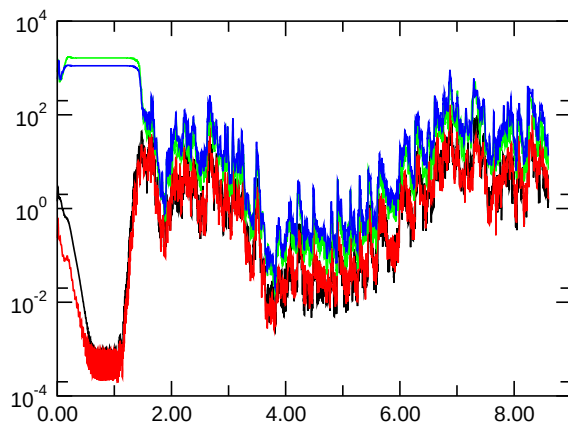
a.e03p1t03r-50000m1n2N2z1.5e5Y
 E_{kin}



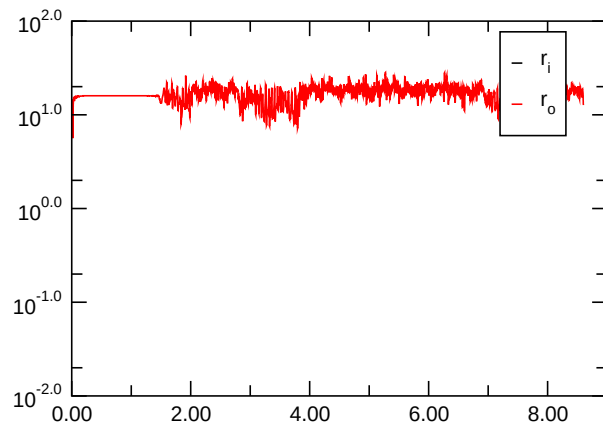
$E_{\text{kin, symm.}}$



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

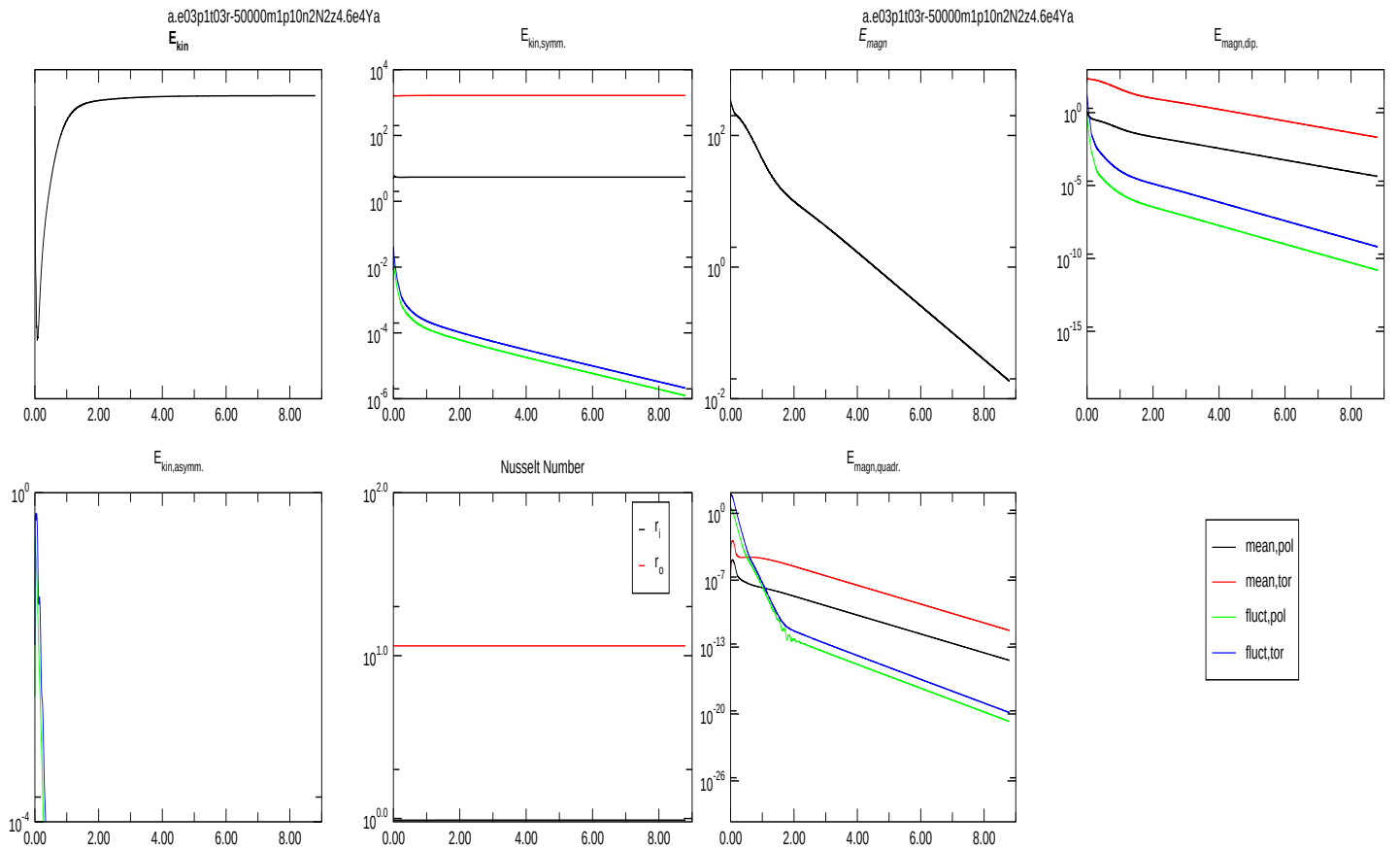
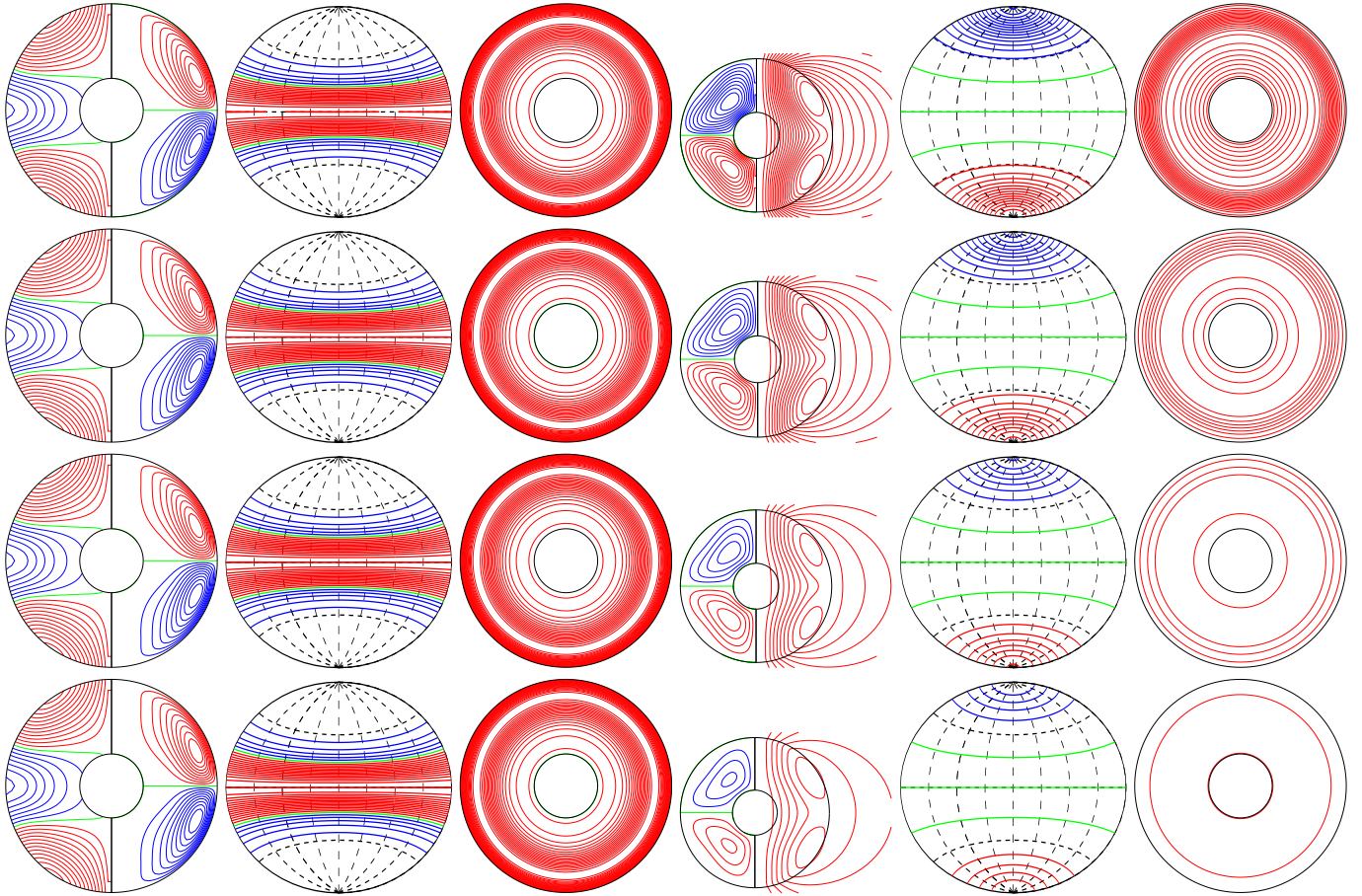


Nusselt Number



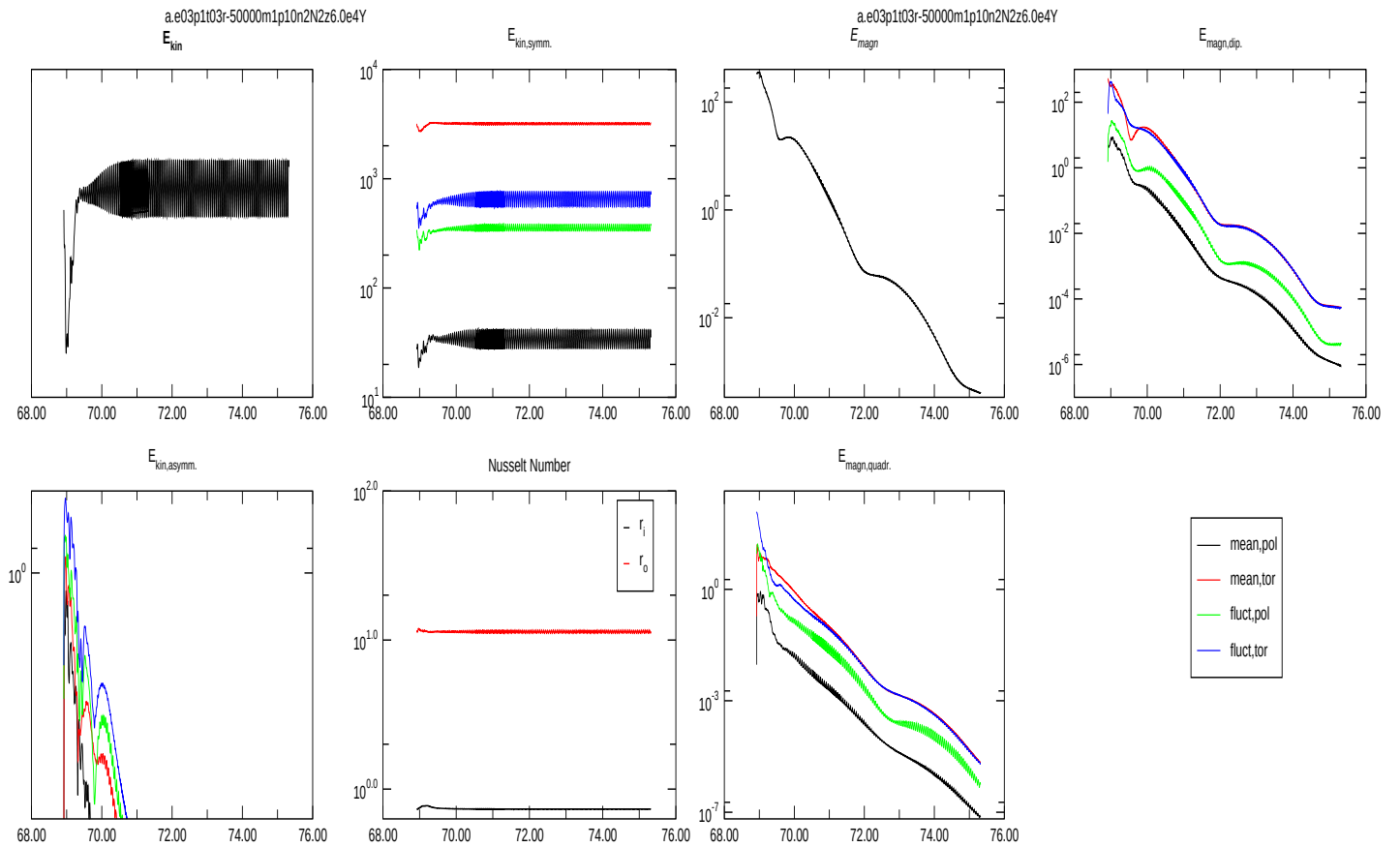
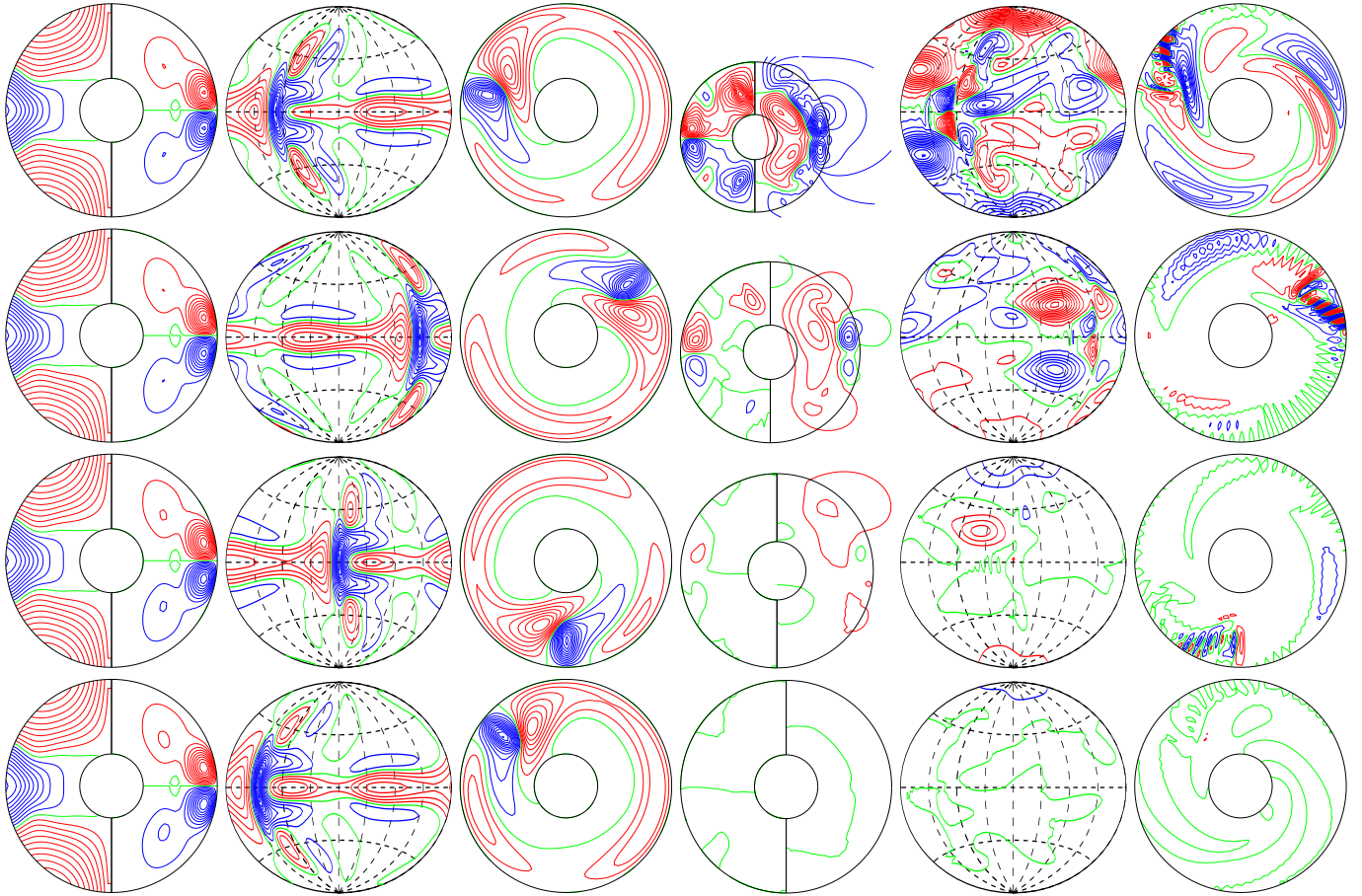
a.e03p1t03r-50000m1p10n2N2z4.6e4Ya.12
times: 6.400008 7.200009 8.00001 8.800011

April 21, 2016



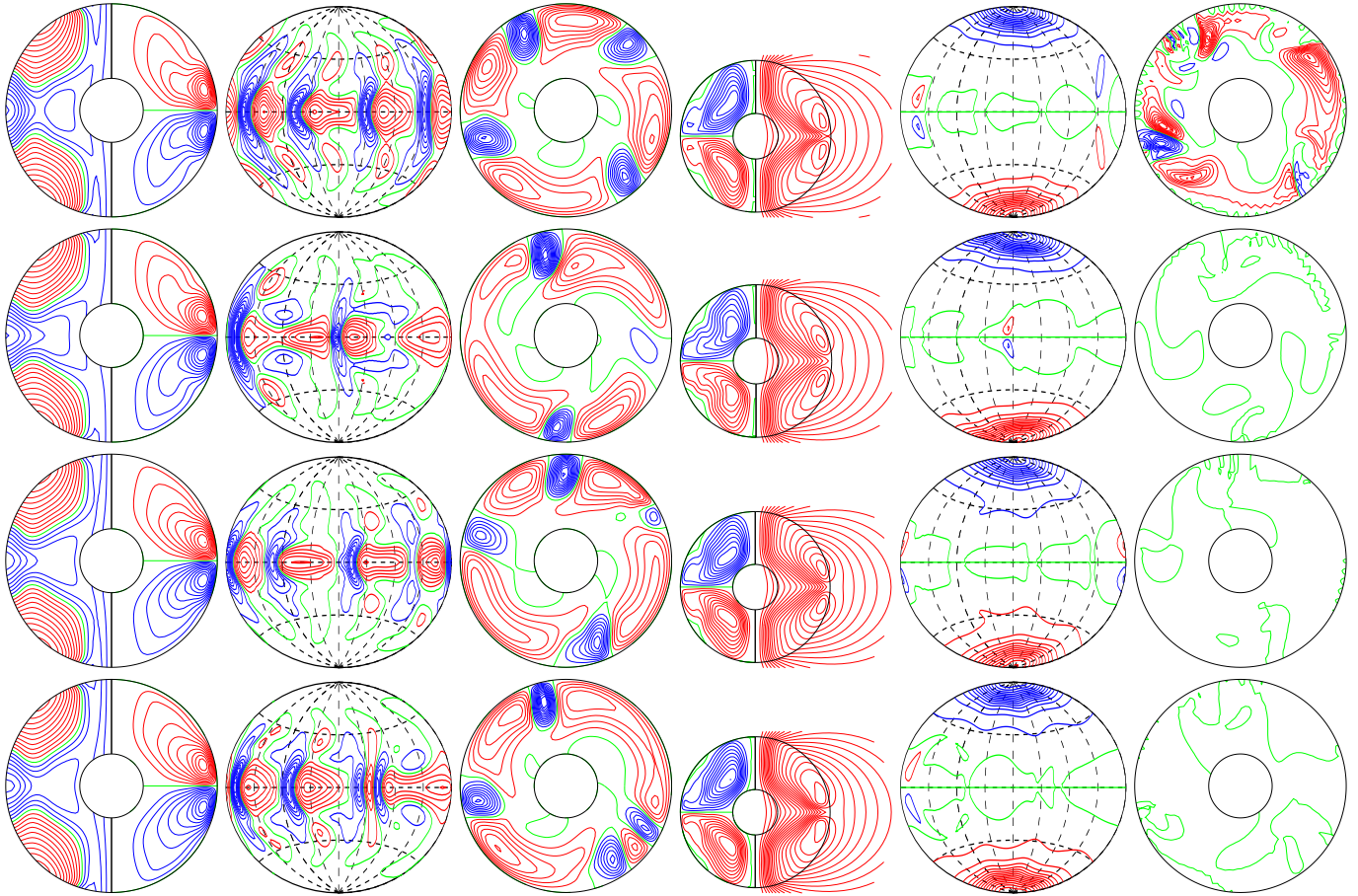
a.e03p1t03r-50000m1p10n2N2z6.0e4Y.9
times: 72.92001 73.72001 74.52001 75.32001

April 21, 2016



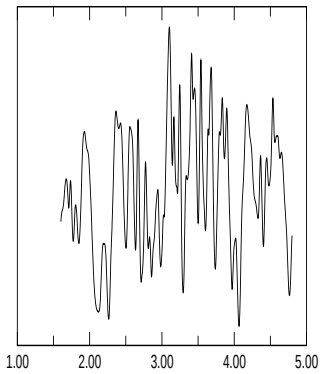
a.e03p1t03r-50000m1p7n2N2z7.0e4Ya.5
times: 2.400003 3.200004 4.000005 4.800006

April 21, 2016

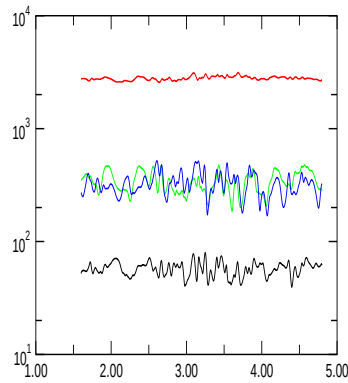


a.e03p1t03r-50000m1p7n2N2z7.0e4Ya

E_{kin}

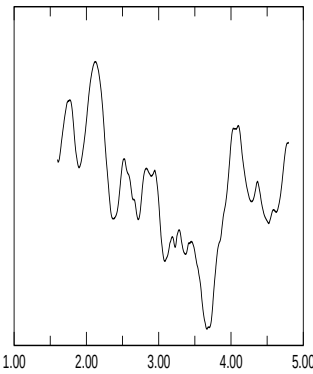


$E_{kin,symm.}$

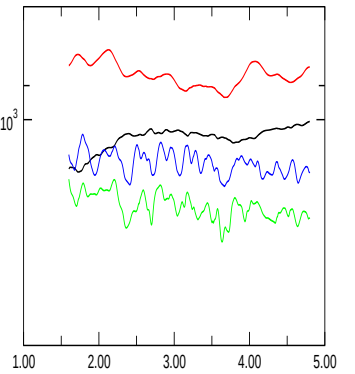


a.e03p1t03r-50000m1p7n2N2z7.0e4Ya

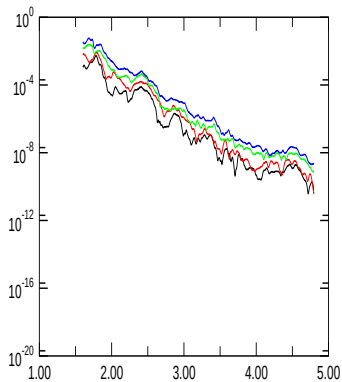
E_{magn}



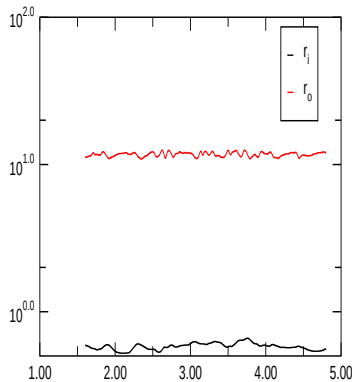
$E_{magn,dip.}$



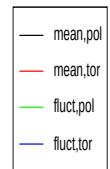
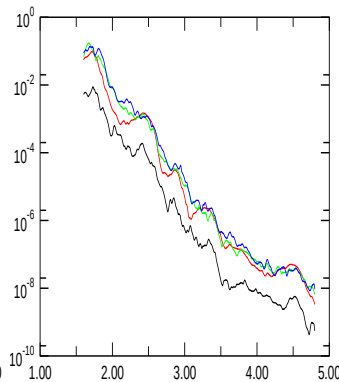
$E_{kin,asymm.}$



Nusselt Number

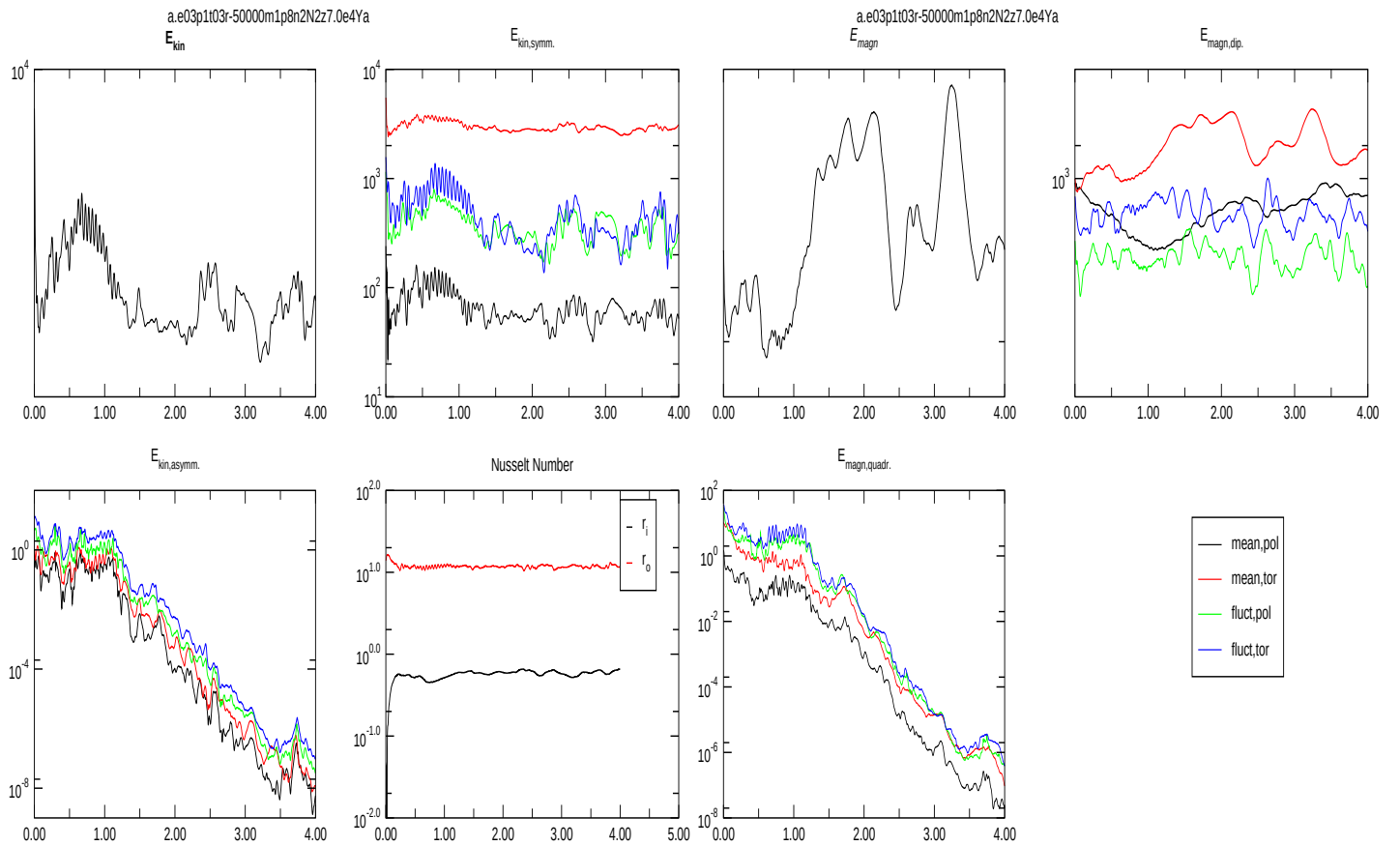
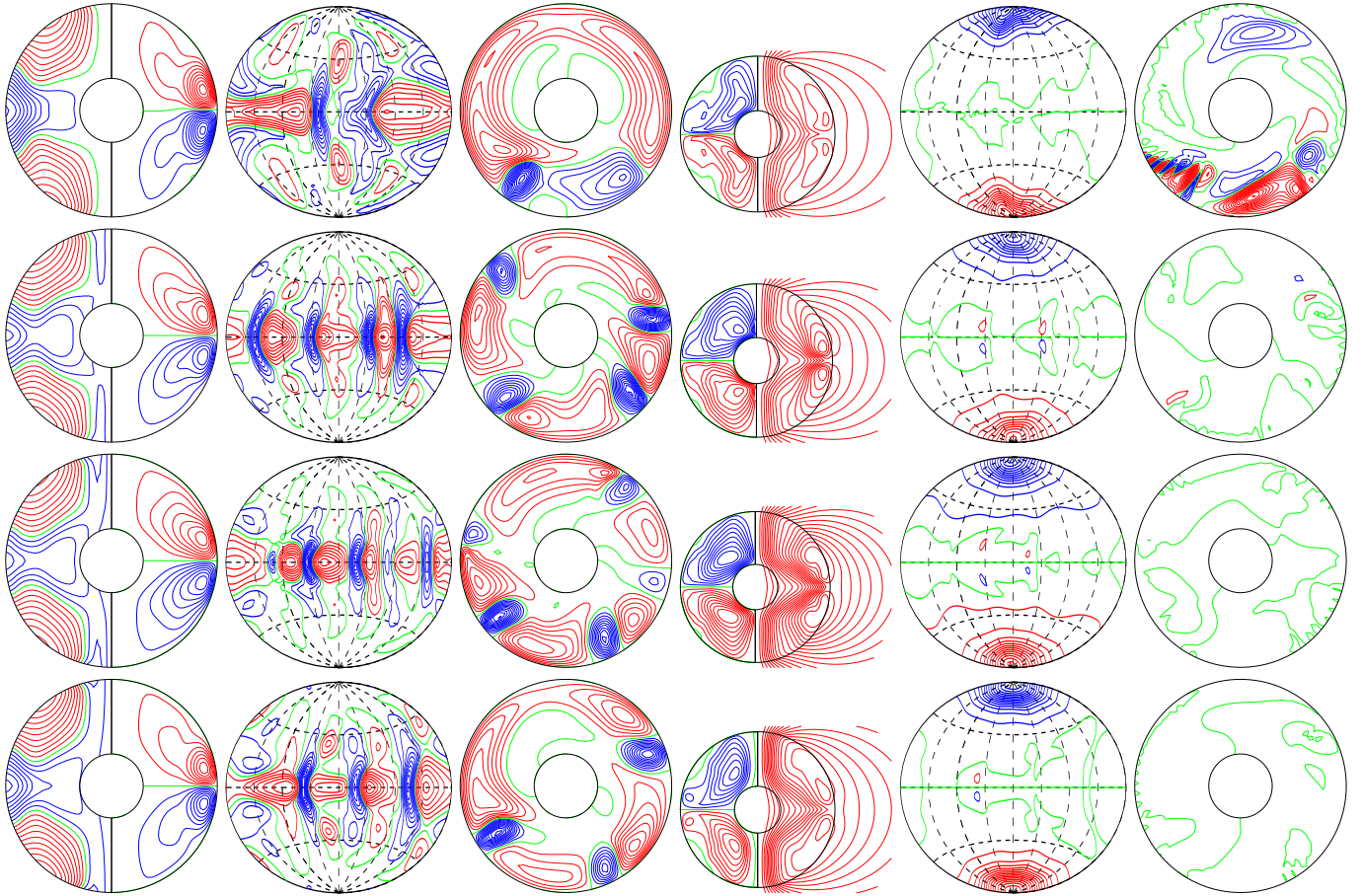


$E_{magn,quadr.}$



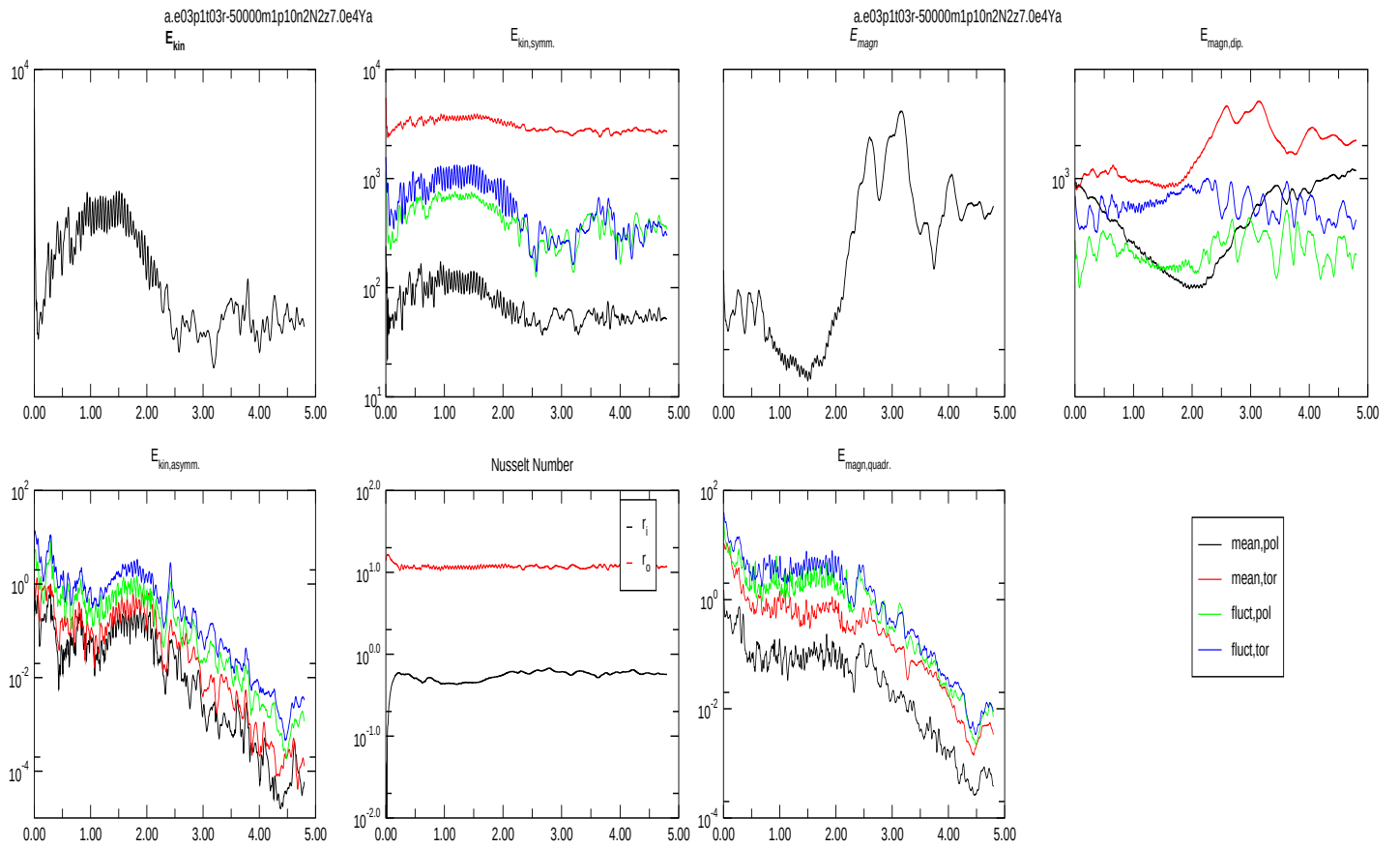
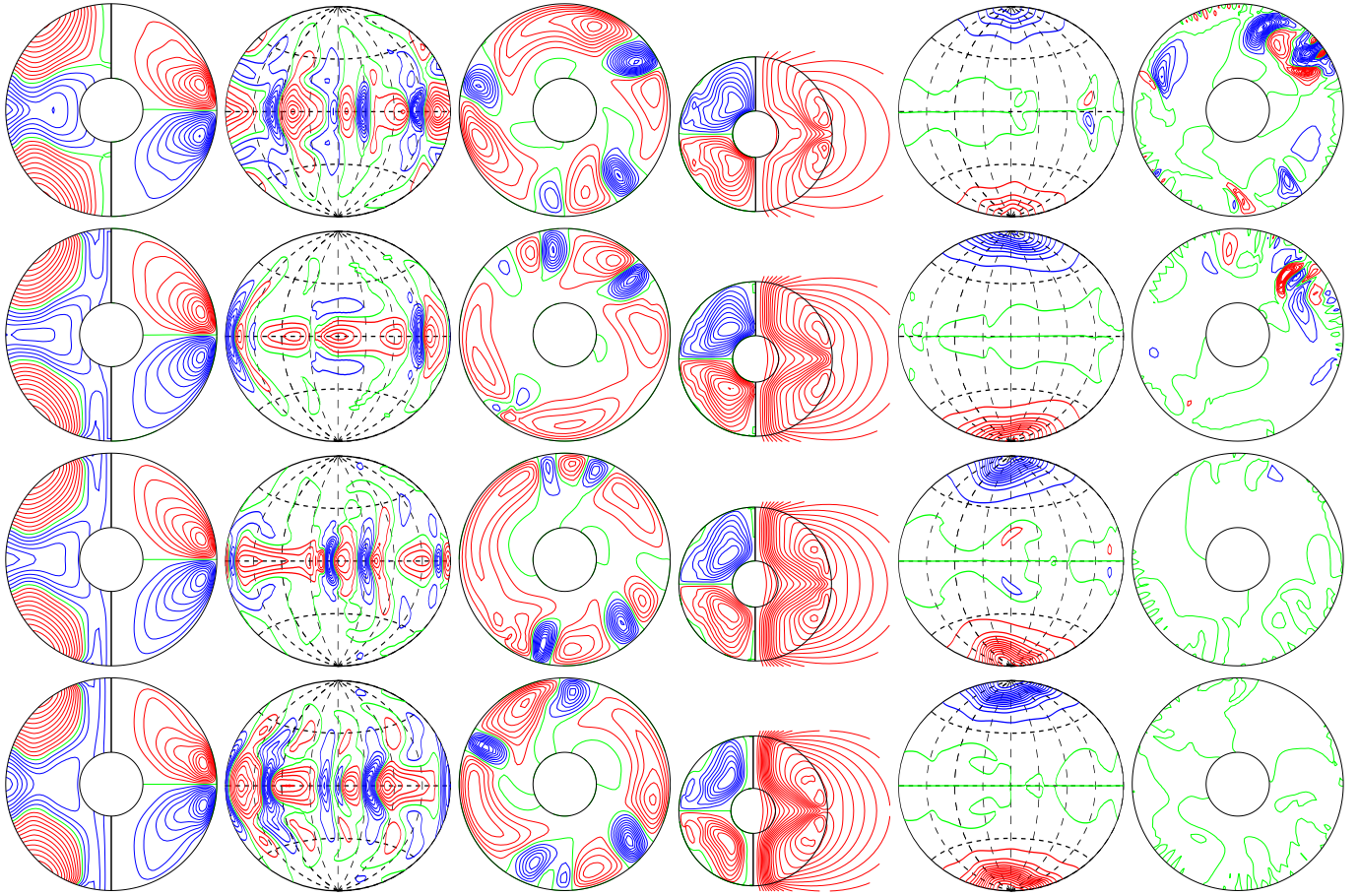
a.e03p1t03r-50000m1p8n2N2z7.0e4Ya.6
times: 0.800008 1.600002 3.200004 4.000005

April 21, 2016



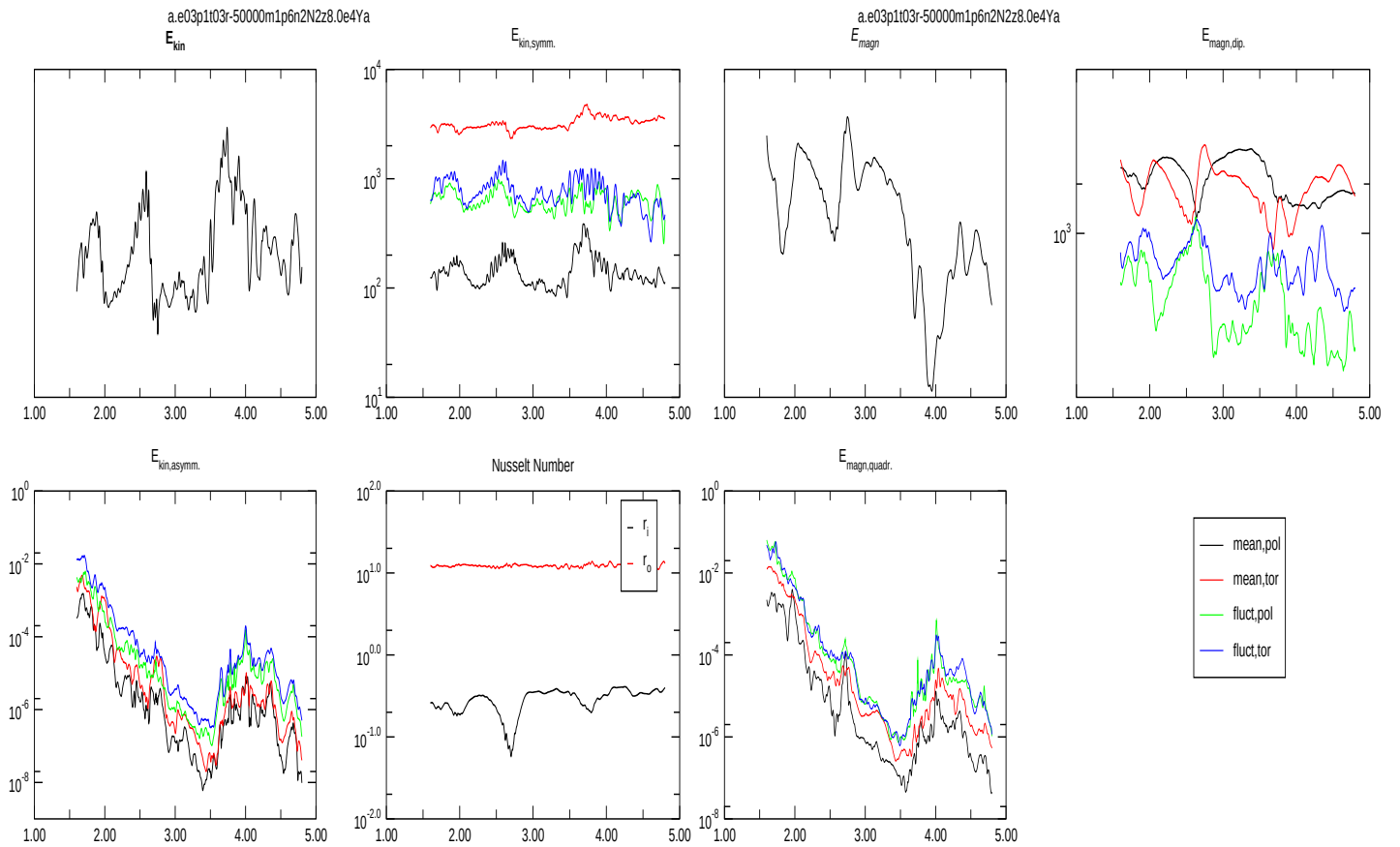
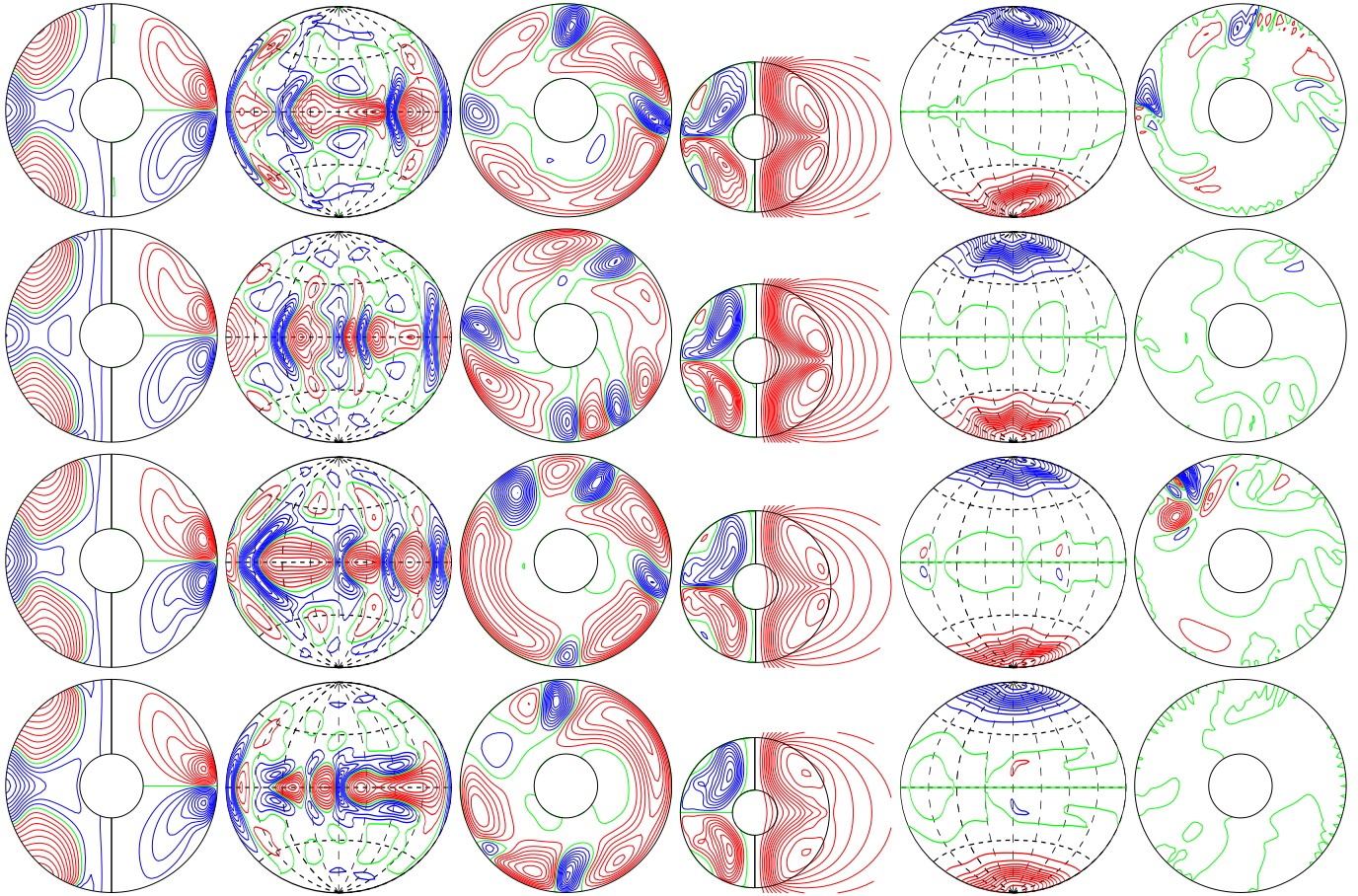
a.e03p1t03r-50000m1p10n2N2z7.0e4Ya.7
times: 2.400003 3.200004 4.000005 4.800006

April 21, 2016



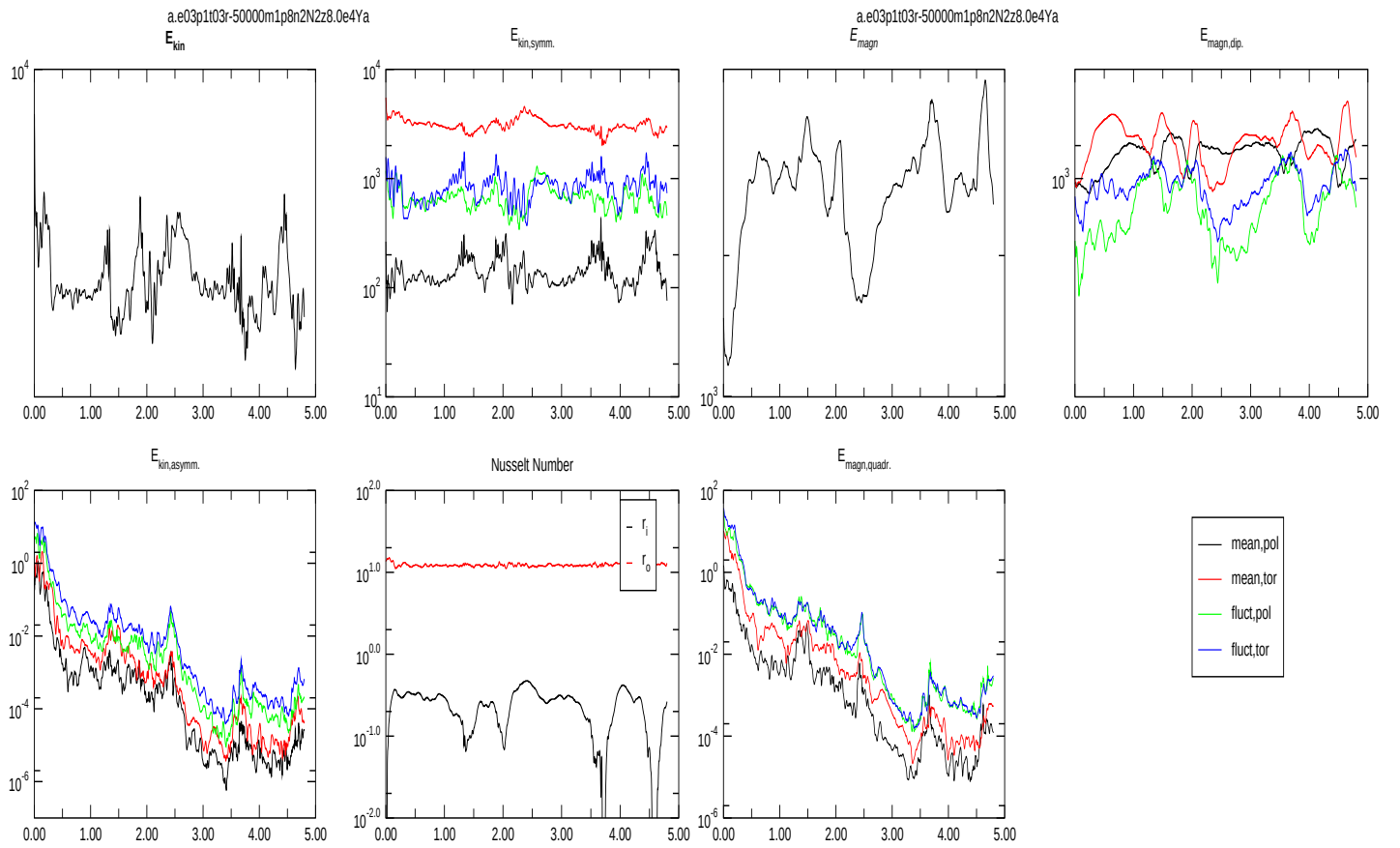
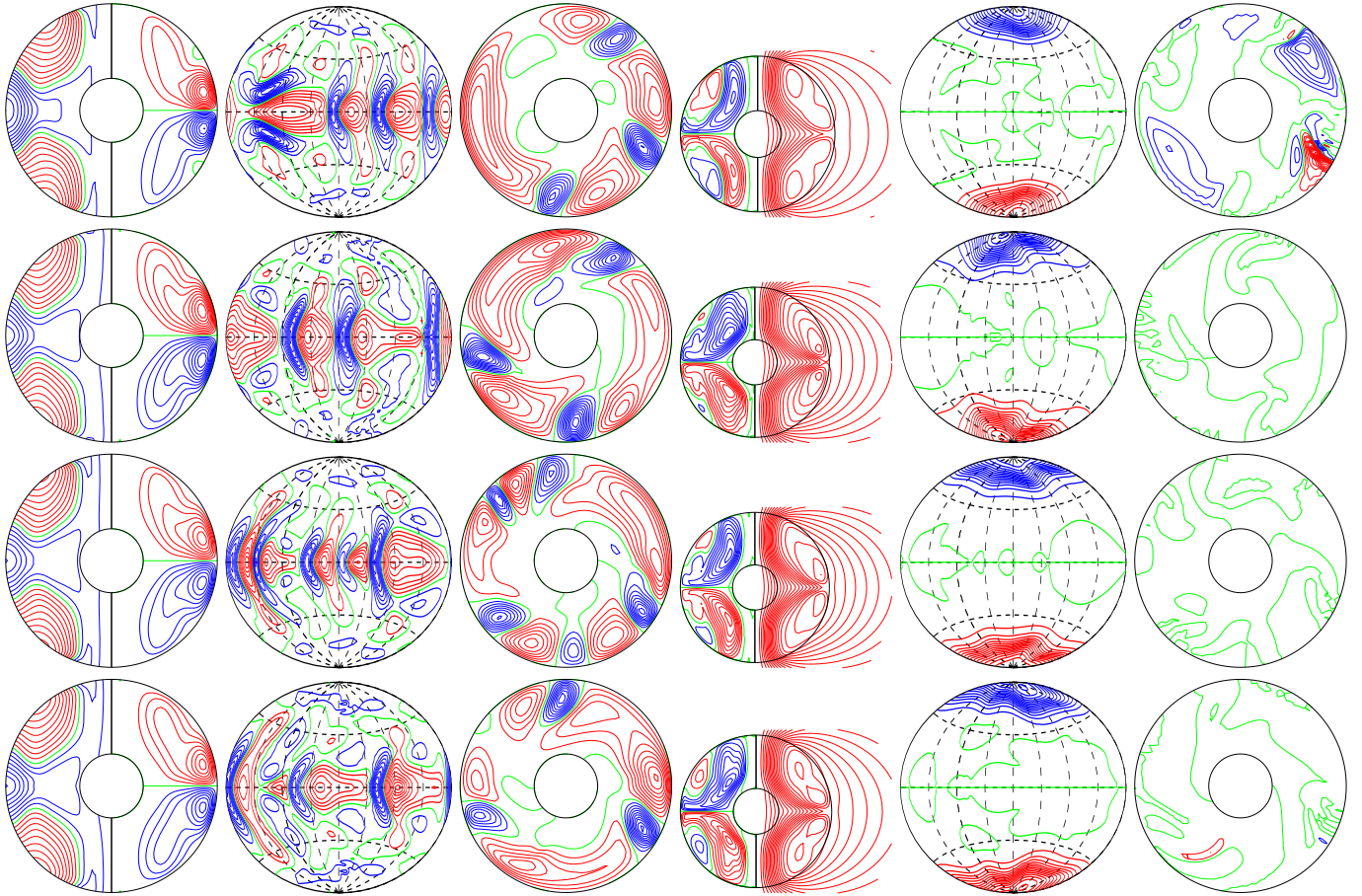
a.e03p1t03r-50000m1p6n2N2z8.0e4Ya.5
times: 2.400003 3.200004 4.000005 4.800006

April 21, 2016



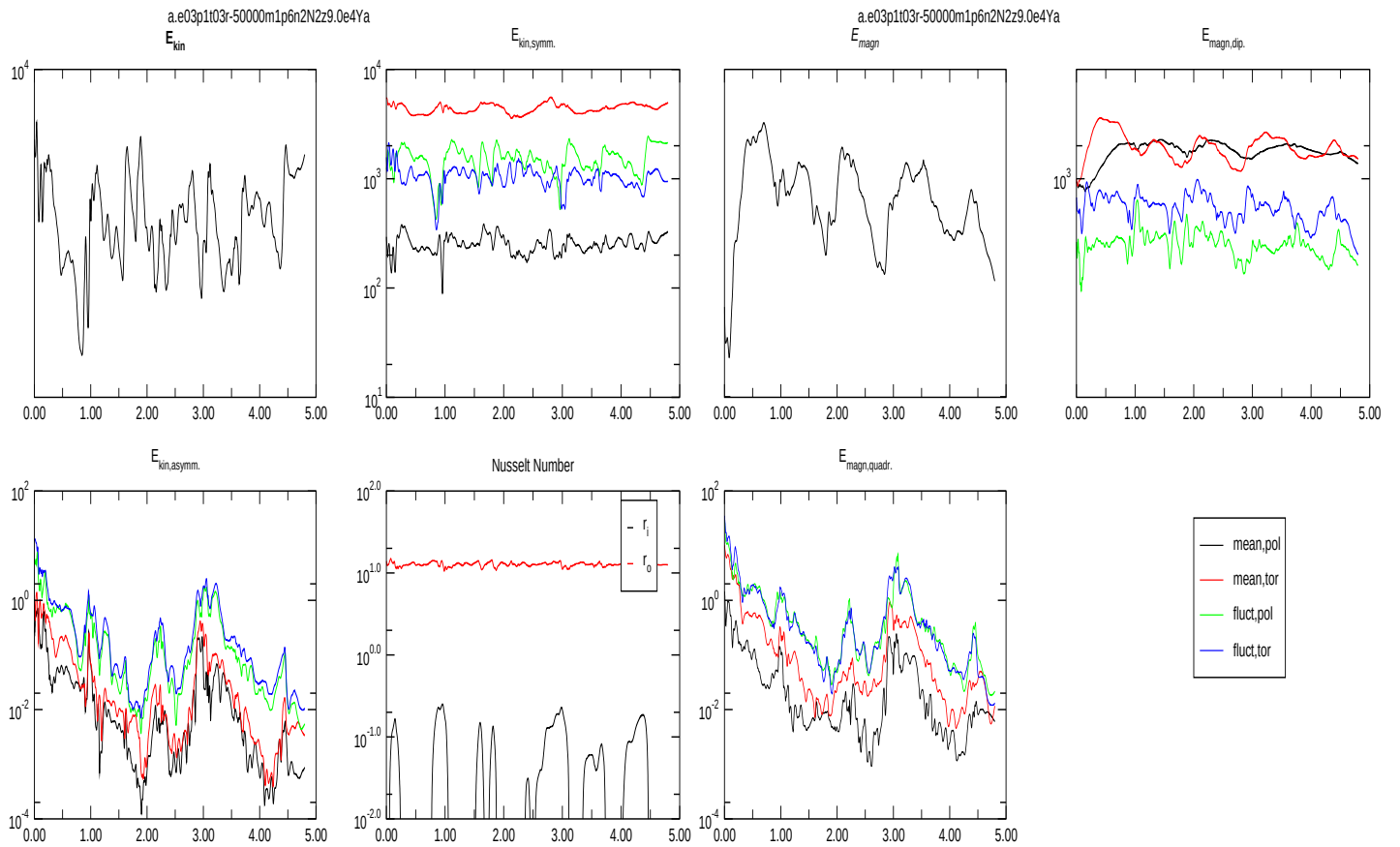
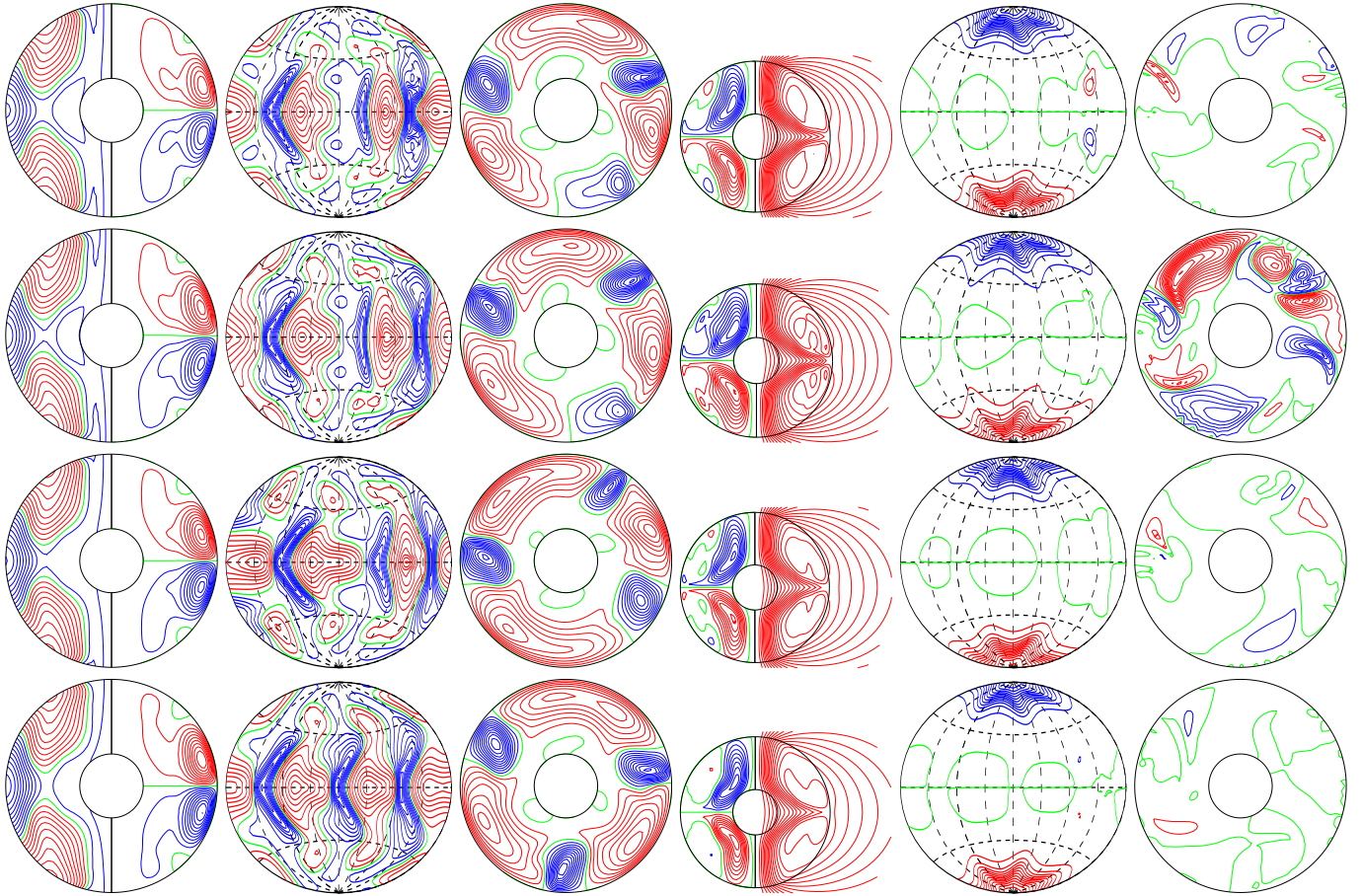
a.e03p1t03r-50000m1p8n2N2z8.0e4Ya.7
times: 2.400003 3.200004 4.000005 4.800006

April 21, 2016



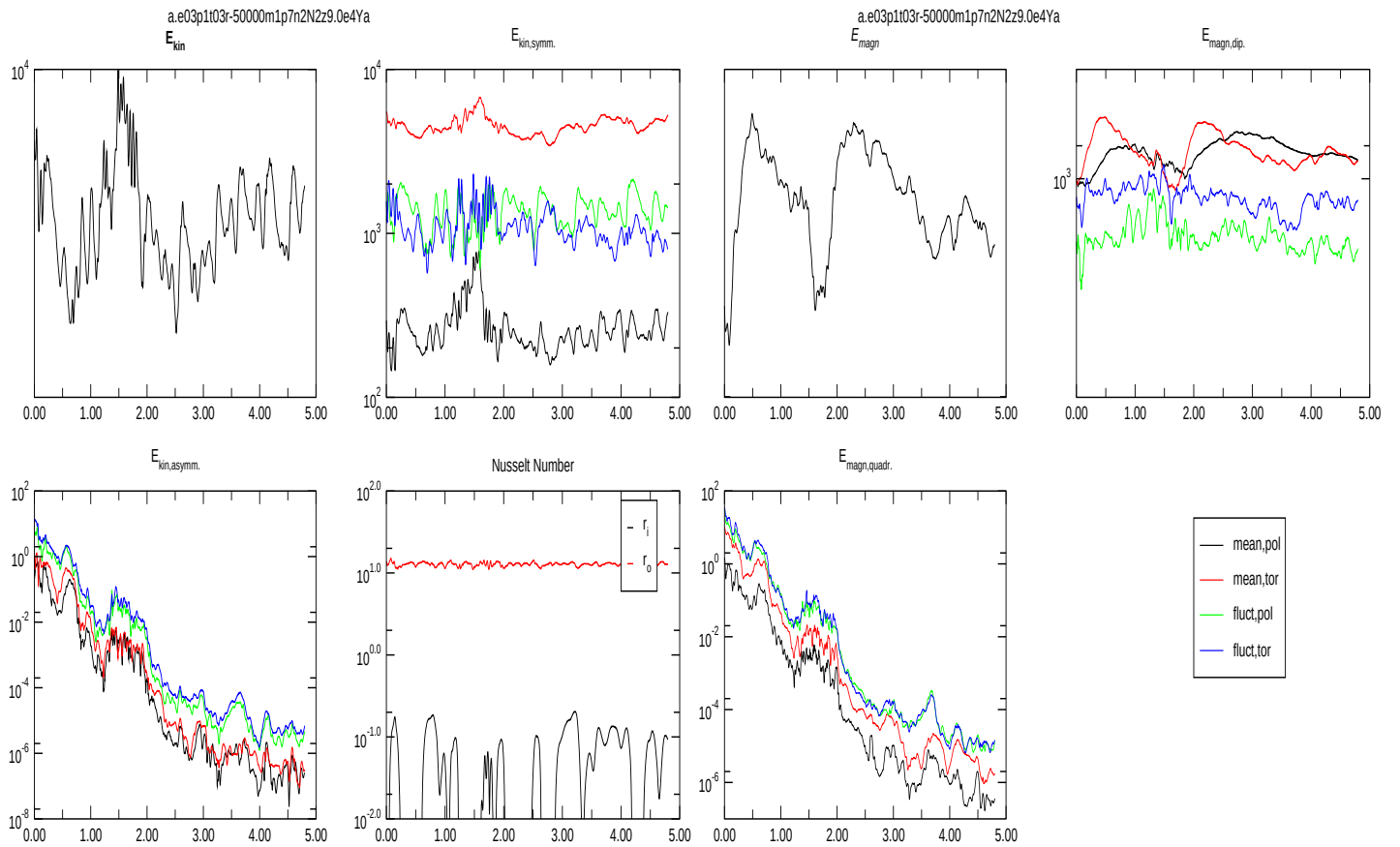
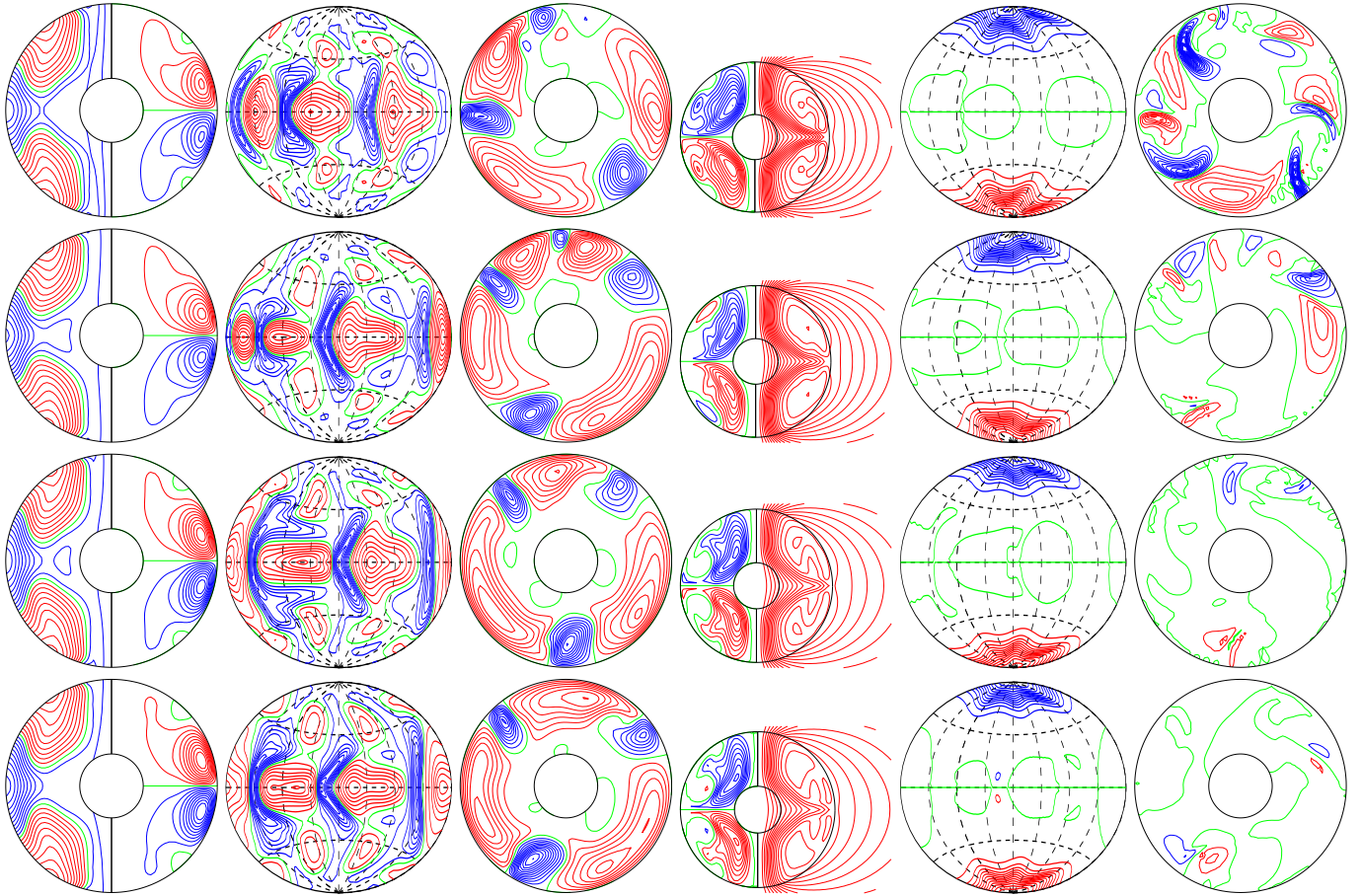
a.e03p1t03r-50000m1p6n2N2z9.0e4Ya.7
times: 2.400003 3.200004 4.000005 4.800006

April 21, 2016



a.e03p1t03r-50000m1p7n2N2z9.0e4Ya.7
times: 2.400003 3.200004 4.000005 4.800006

April 21, 2016



a.e03p1t03r-50000m1p8n2N2z9.0e4Ya.12
times: 6.400008 7.200009 8.00001 8.800011

April 21, 2016

