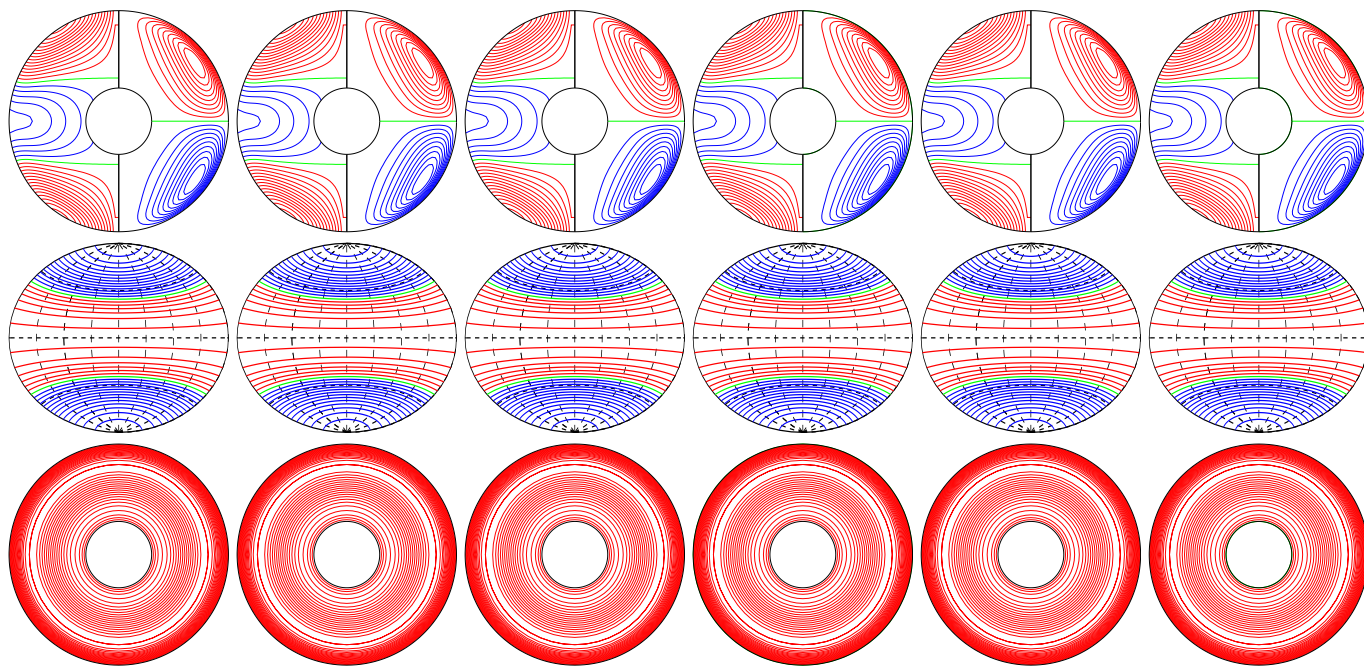


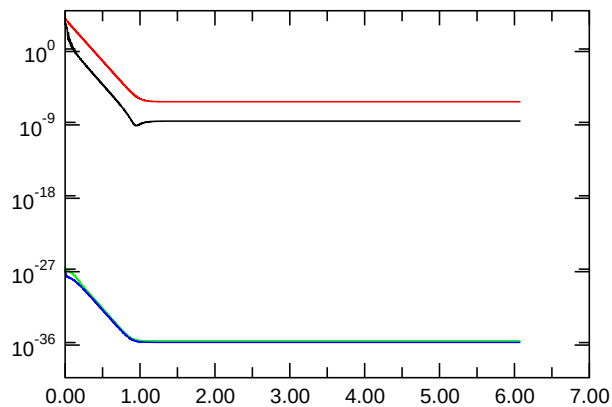
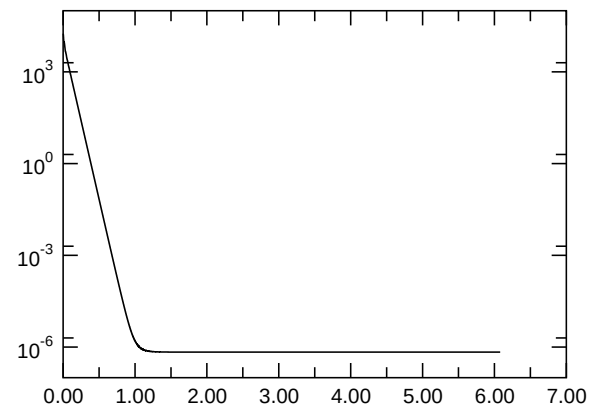
a.e03p1t03r-50000m16n2N2z1.0e0Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

May 17, 2016



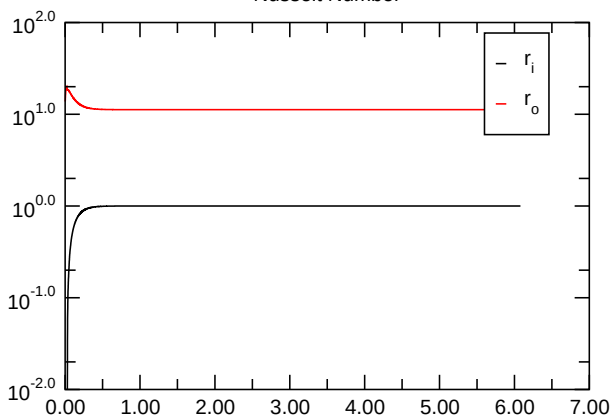
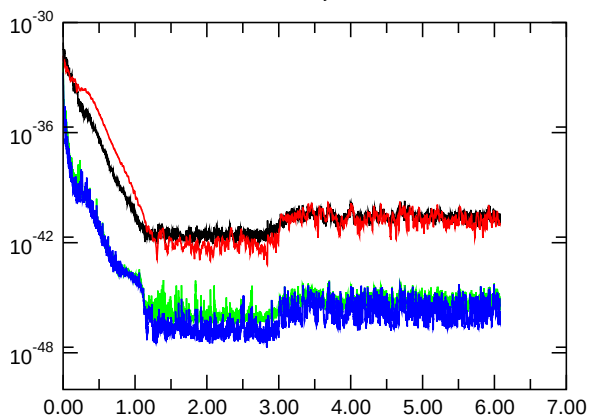
a.e03p1t03r-50000m16n2N2z1.0e0Y
 E_{kin}

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



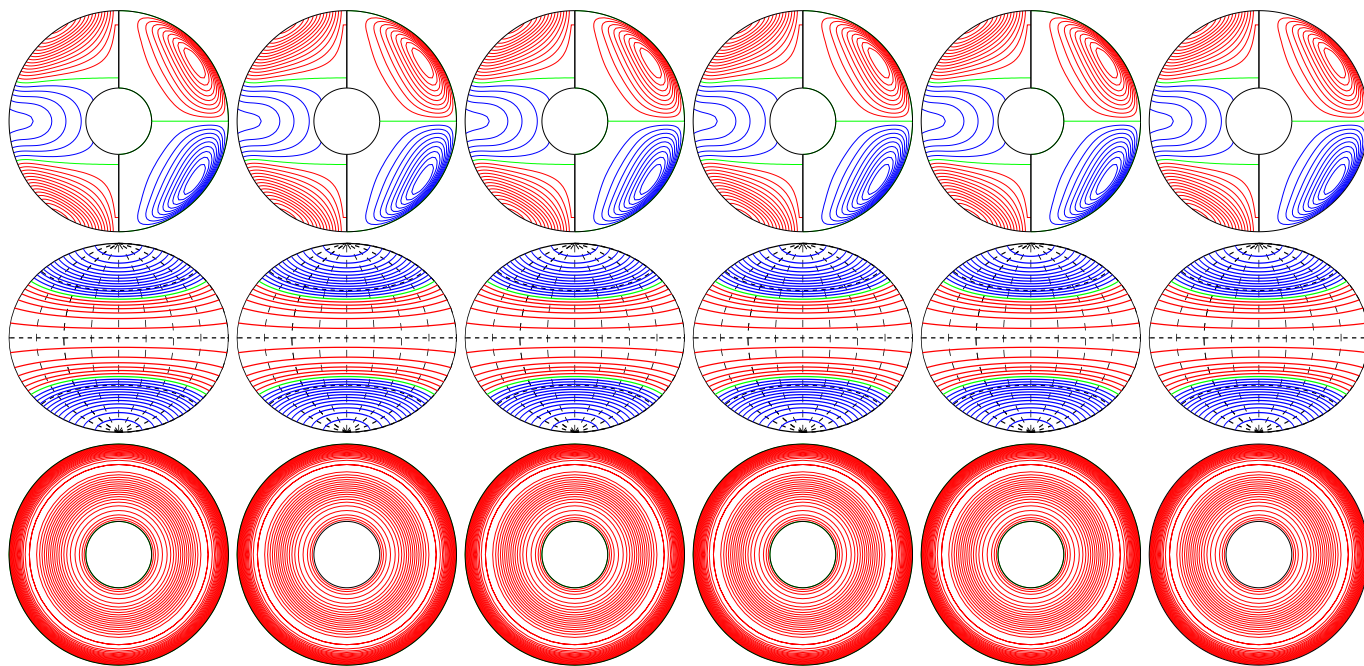
$E_{\text{kin,asymm.}}$

Nusselt Number

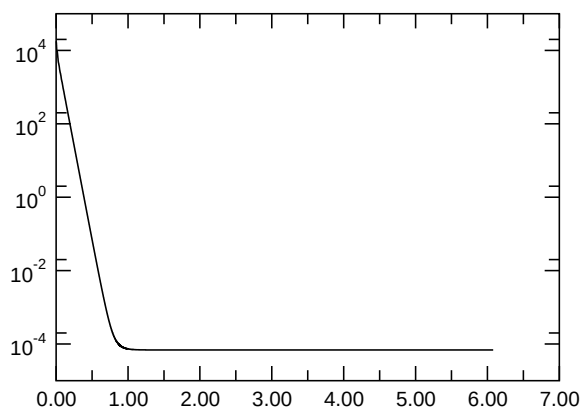


a.e03p1t03r-50000m16n2N2z1.0e1Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

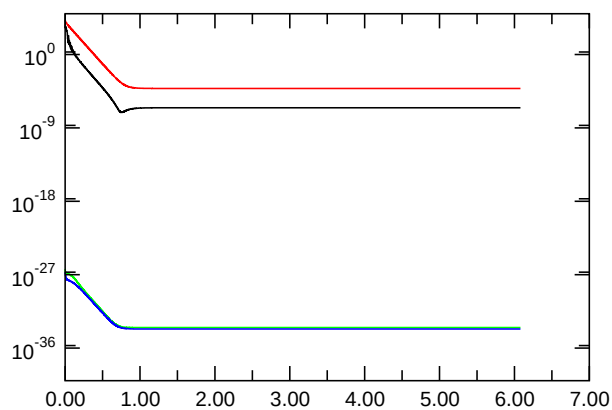
May 17, 2016



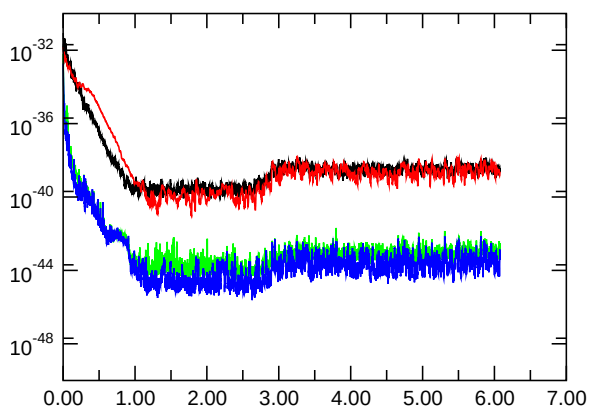
a.e03p1t03r-50000m16n2N2z1.0e1Y
 E_{kin}



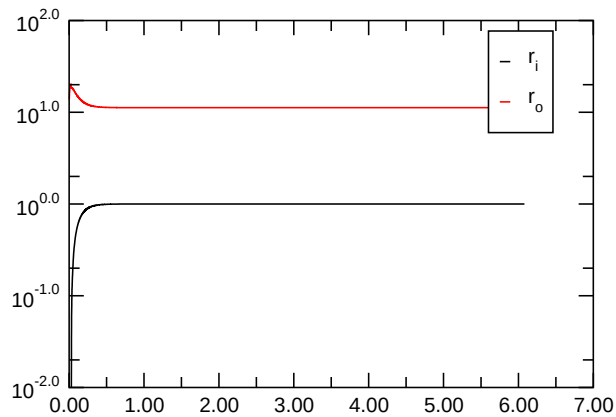
$E_{\text{kin,symm.}}$



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

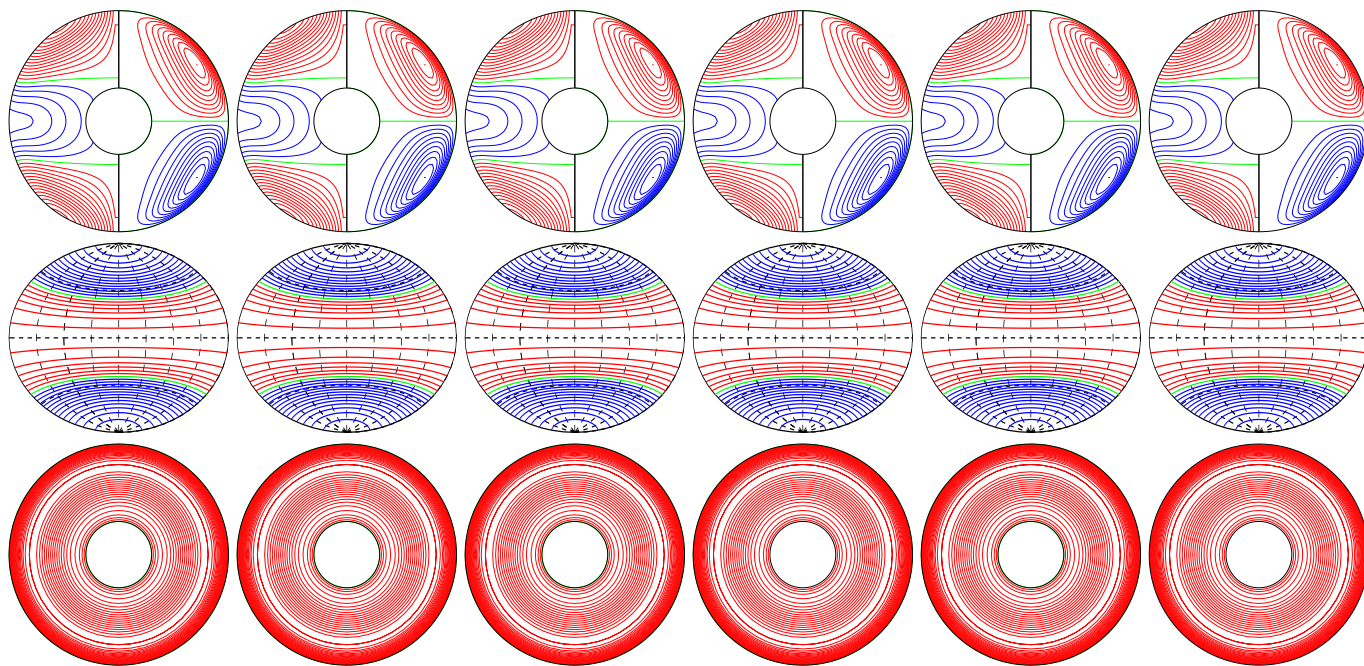


Nusselt Number

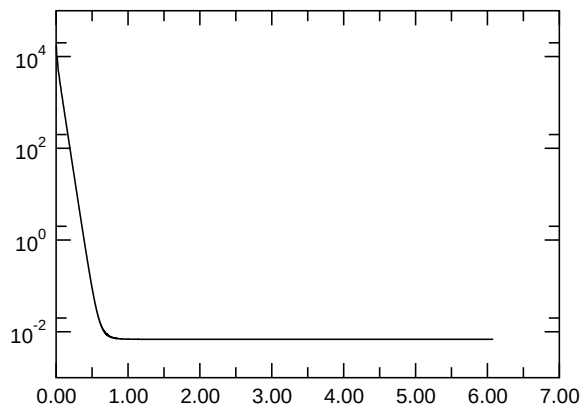


a.e03p1t03r-50000m16n2N2z1.0e2Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

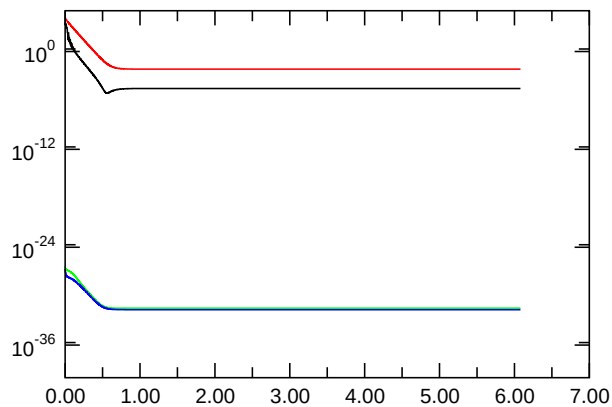
May 17, 2016



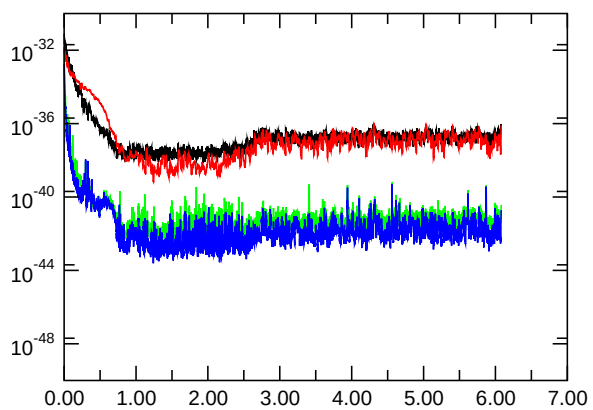
a.e03p1t03r-50000m16n2N2z1.0e2Y
 E_{kin}



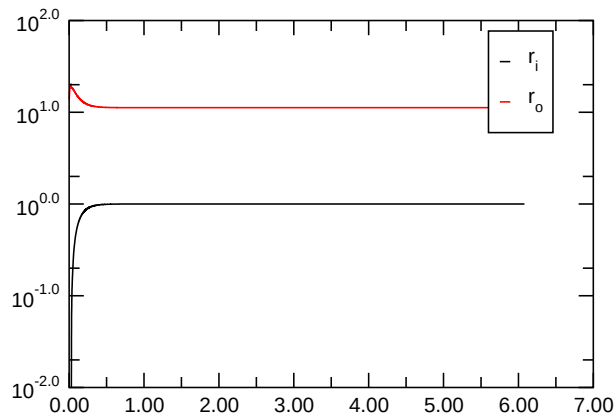
$E_{\text{kin,symm.}}$



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

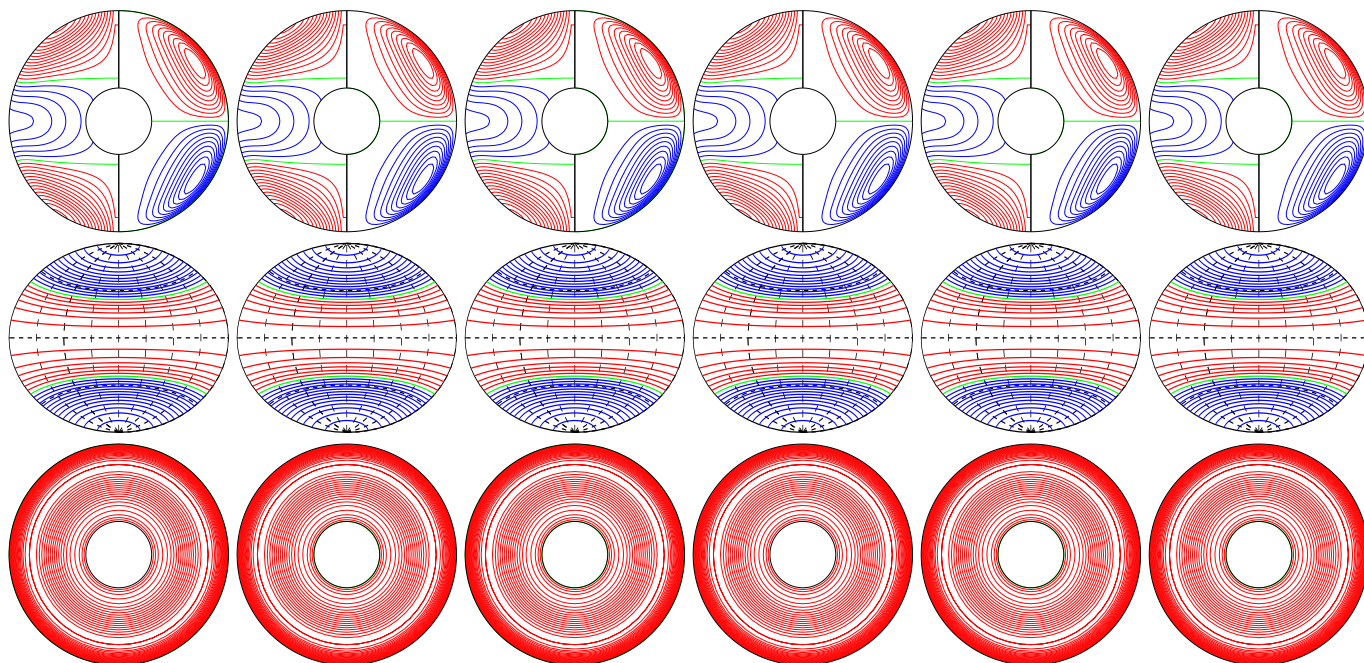


Nusselt Number

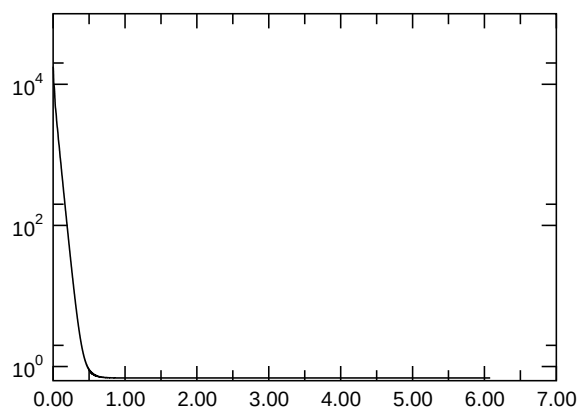


a.e03p1t03r-50000m16n2N2z1.0e3Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

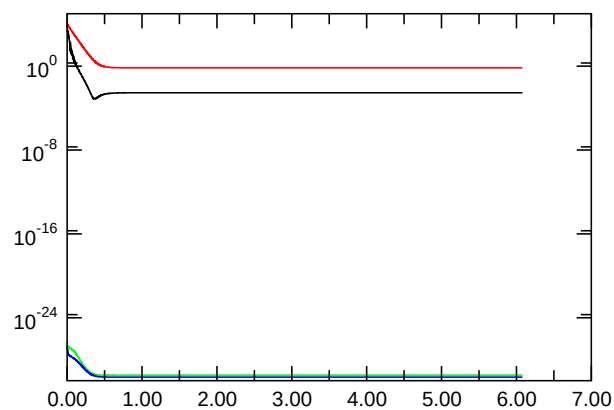
May 17, 2016



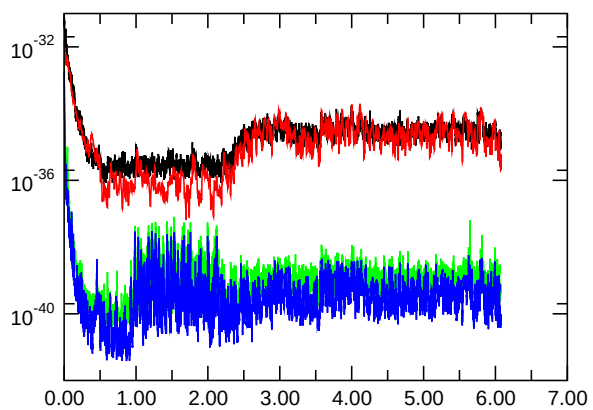
a.e03p1t03r-50000m16n2N2z1.0e3Y
 E_{kin}



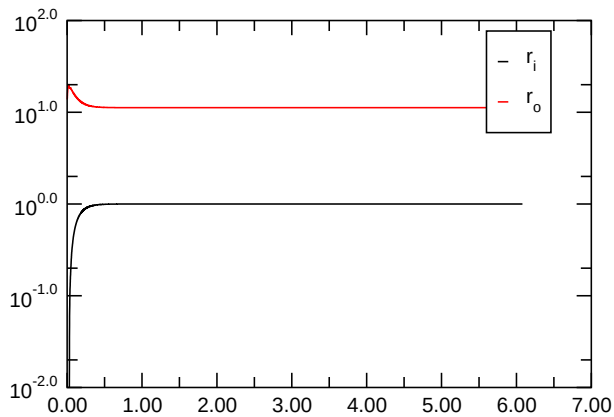
$E_{\text{kin,symm.}}$



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

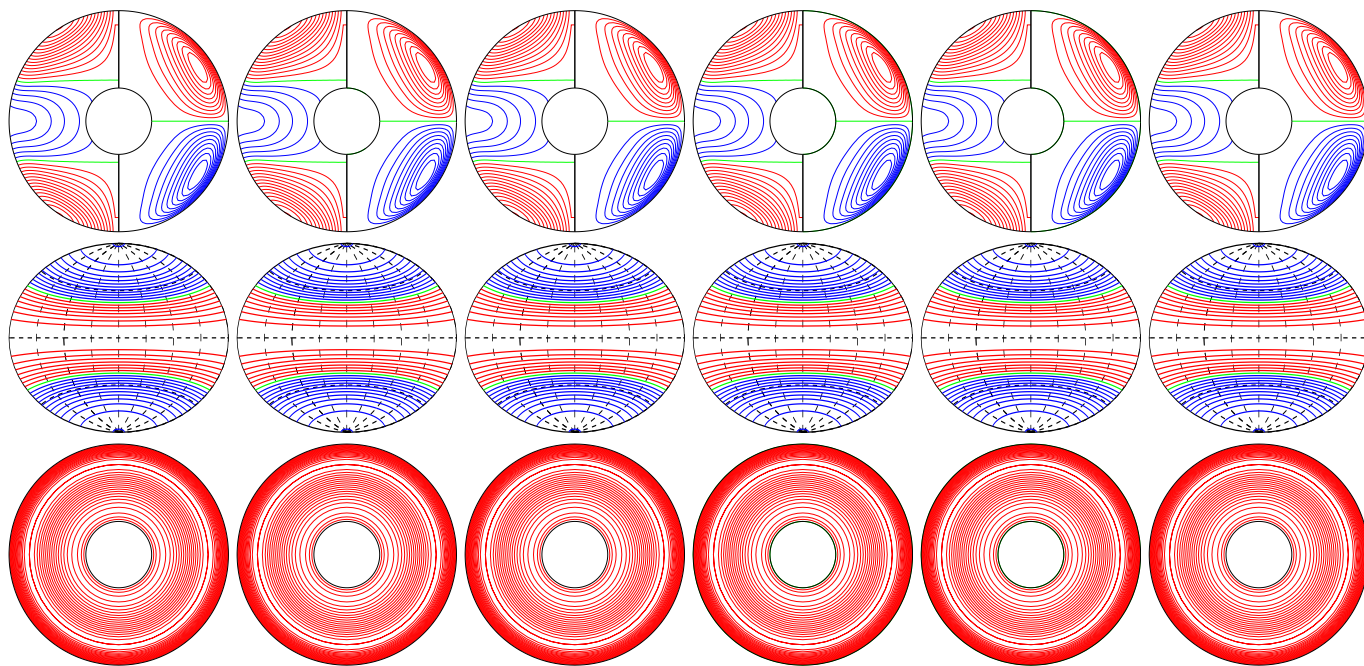


Nusselt Number



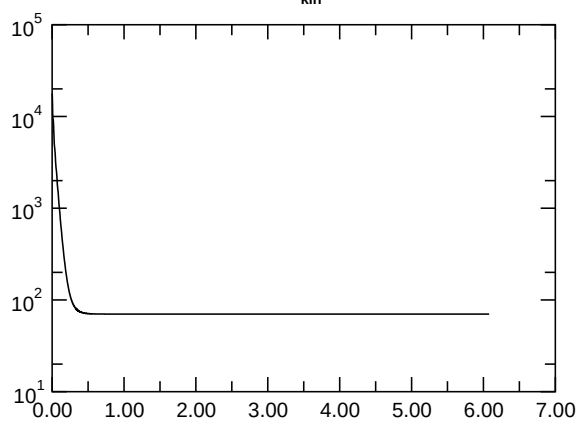
a.e03p1t03r-50000m16n2N2z1.0e4Y.20
times: 4.480013 4.800014 5.120015 5.440016 5.760017 6.080018

May 17, 2016

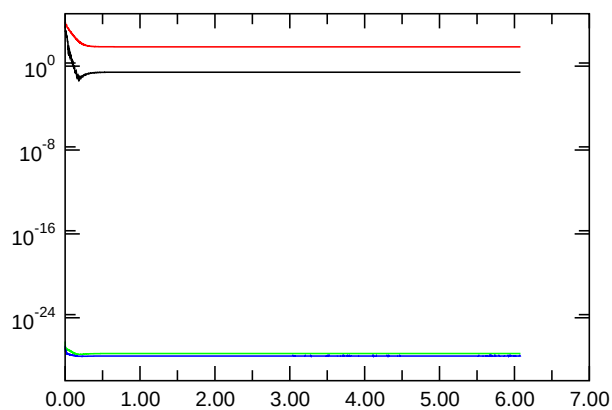


a.e03p1t03r-50000m16n2N2z1.0e4Y

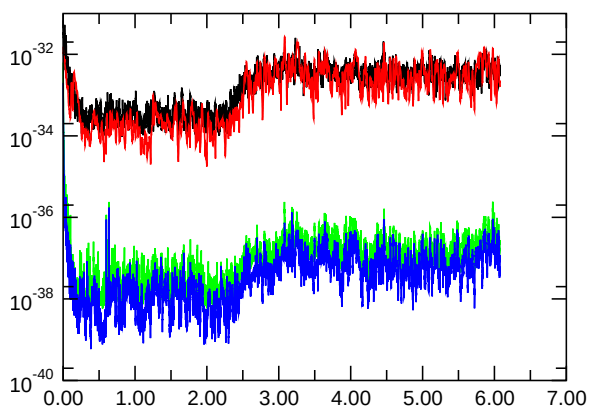
E_{kin}



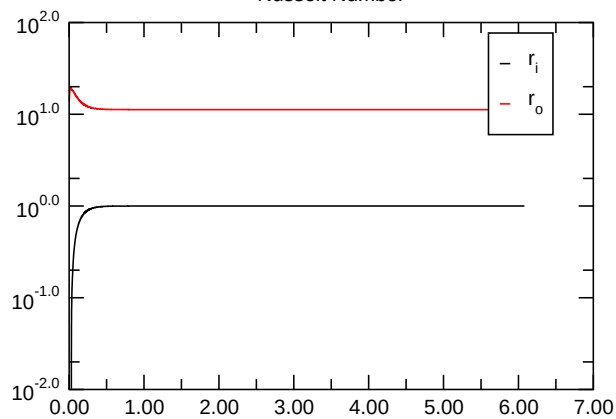
$E_{\text{kin,symm.}}$



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



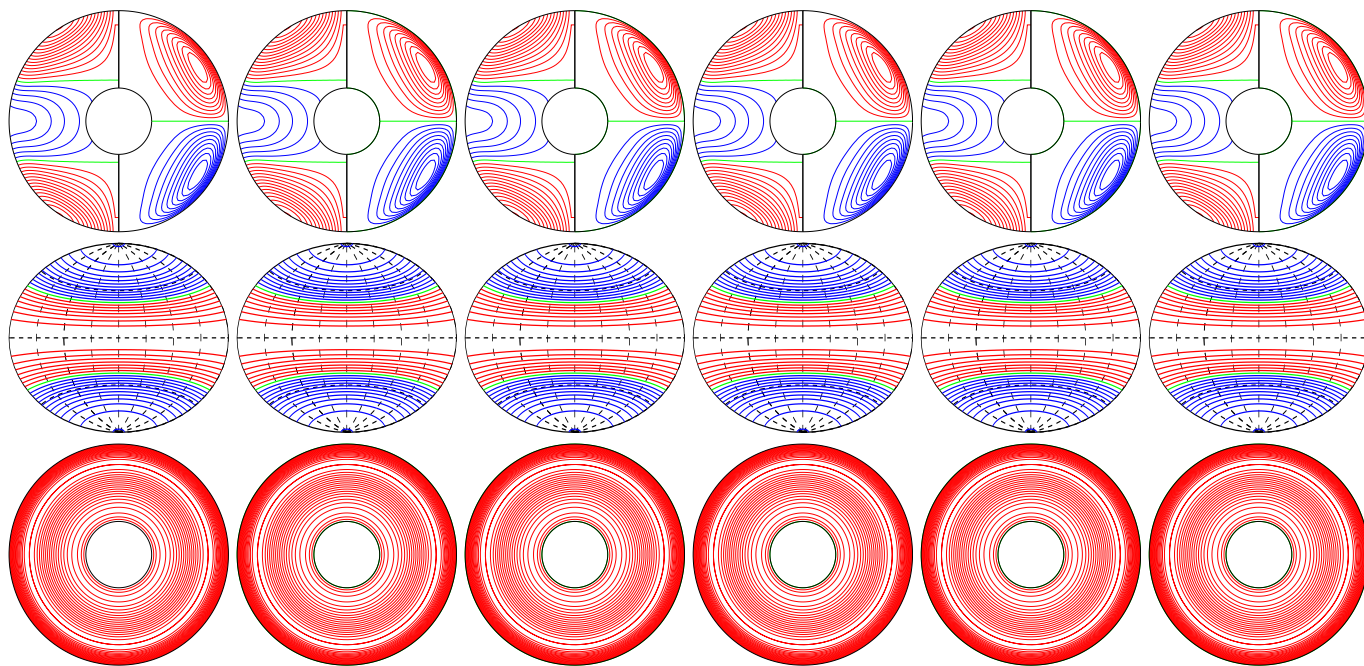
Nusselt Number



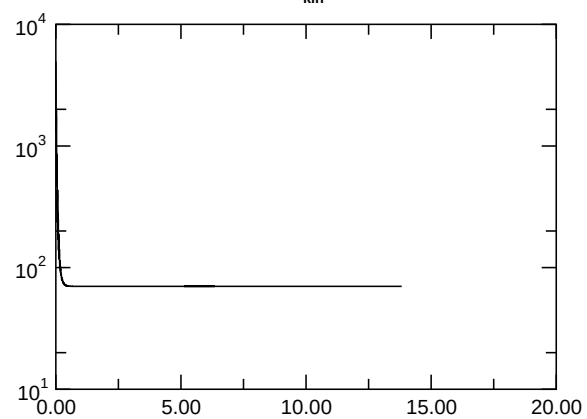
a.e03p1t03r-50000m1n2N2z1.0e4Y.11

times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

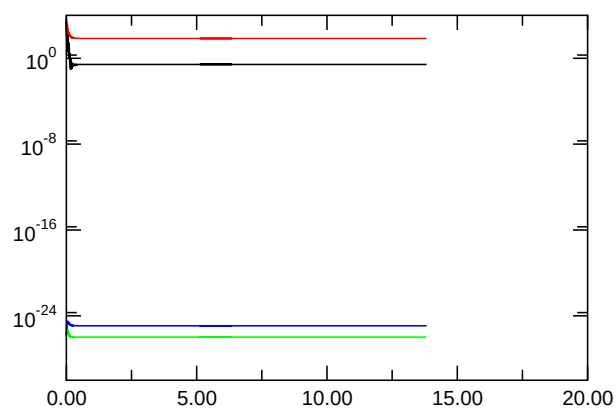
May 17, 2016



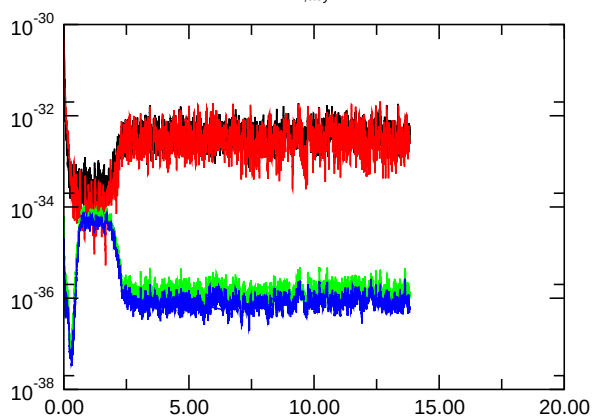
a.e03p1t03r-50000m1n2N2z1.0e4Y
 E_{kin}



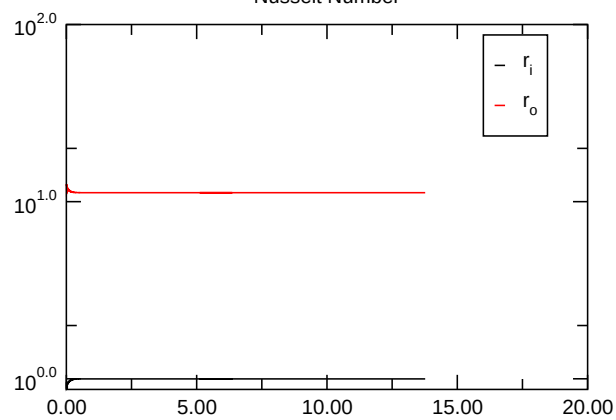
$E_{\text{kin,symm.}}$



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



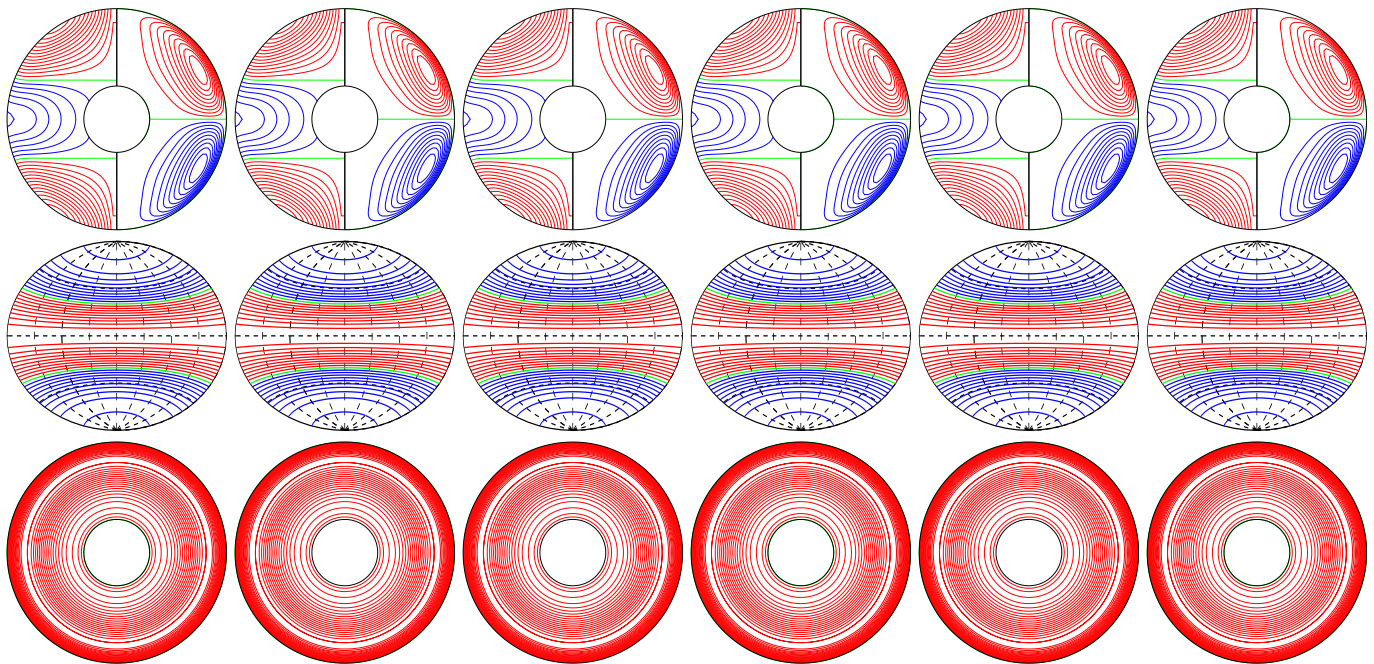
Nusselt Number



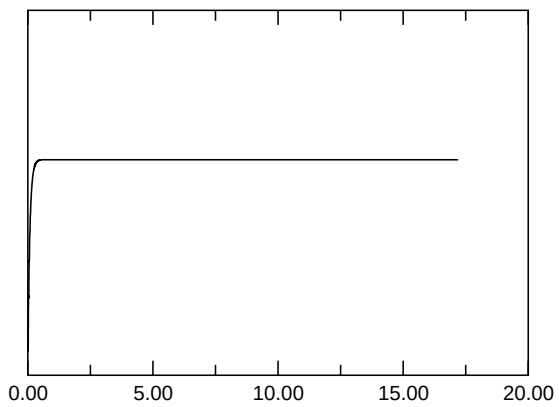
a.e03p1t03r-50000m1n2N2z2.0e4Y.14

times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

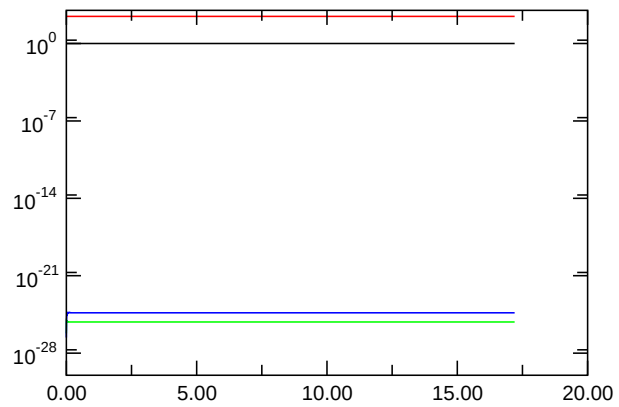
May 17, 2016



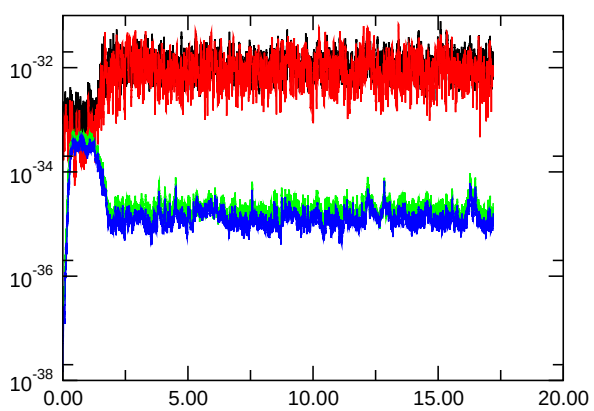
a.e03p1t03r-50000m1n2N2z2.0e4Y
 E_{kin}



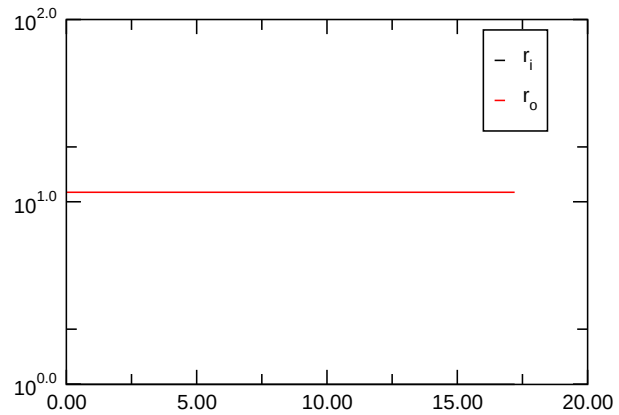
$E_{\text{kin,symm.}}$



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



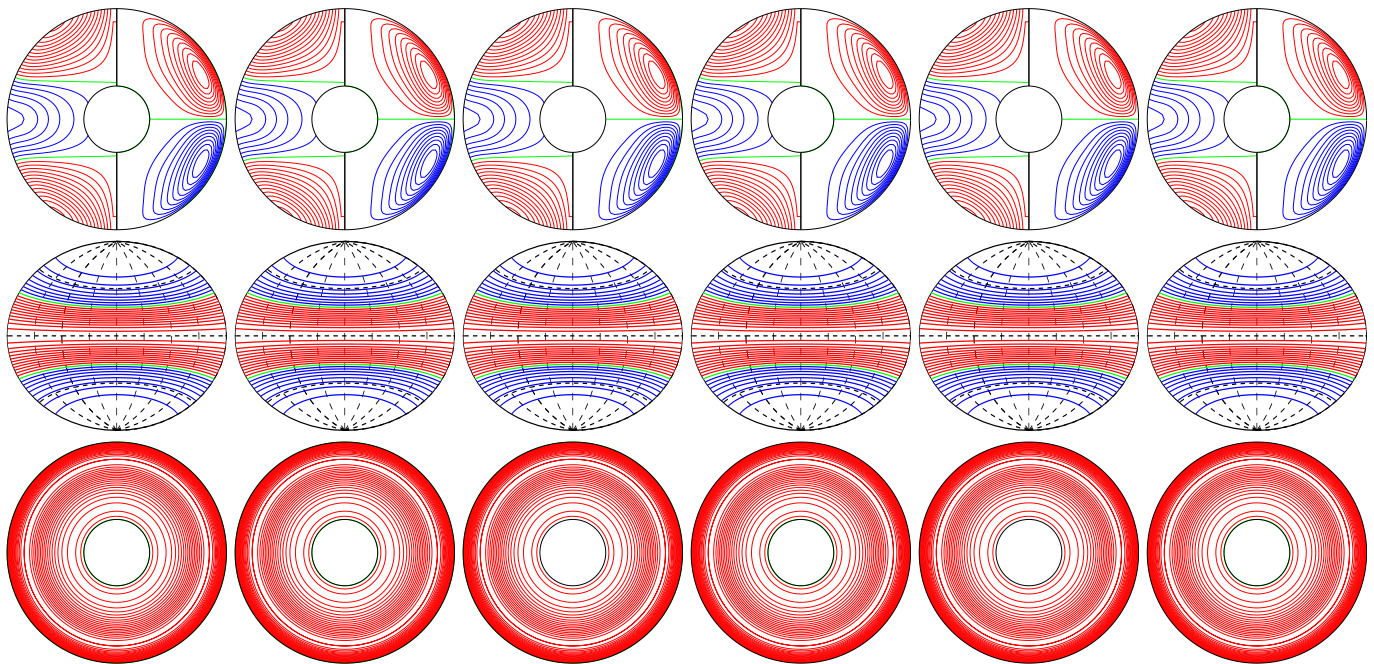
Nusselt Number



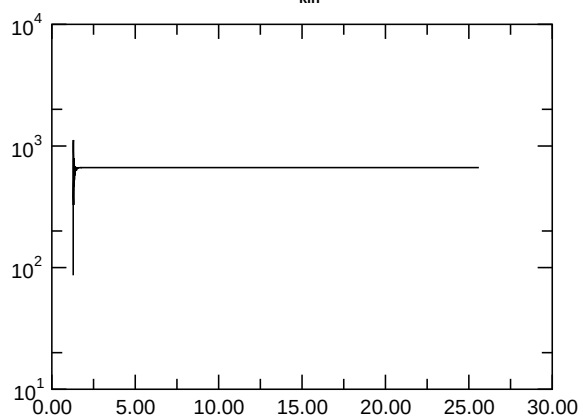
a.e03p1t03r-50000m1n2N2z3.0e4Y.20

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

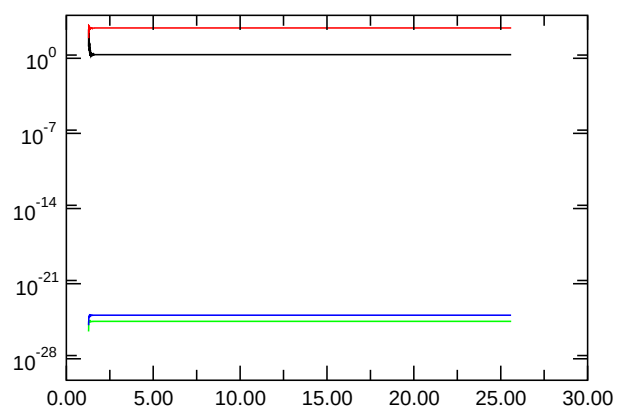
May 17, 2016



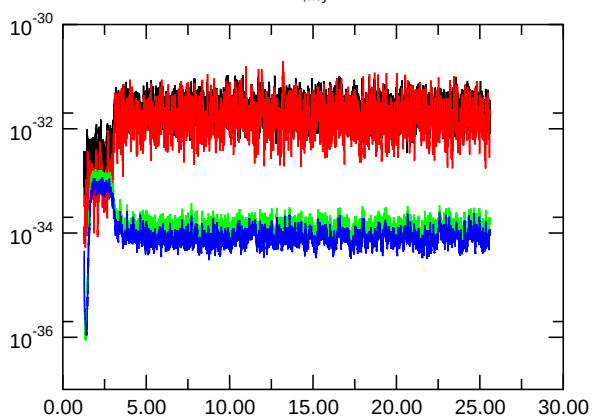
a.e03p1t03r-50000m1n2N2z3.0e4Y
 E_{kin}



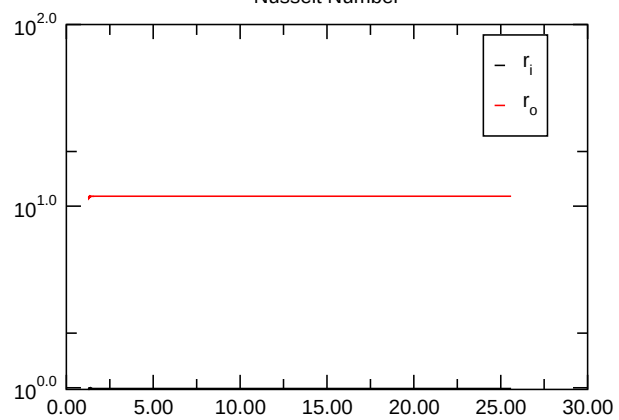
$E_{\text{kin,symm.}}$



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



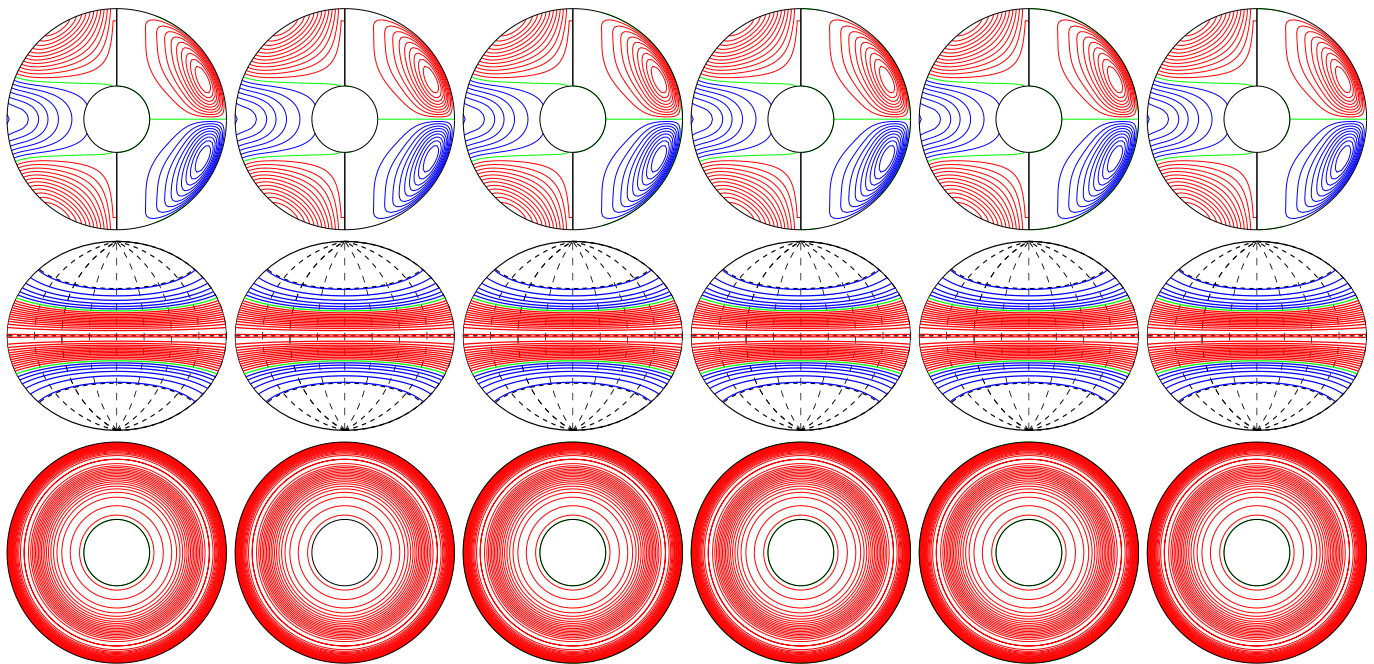
Nusselt Number



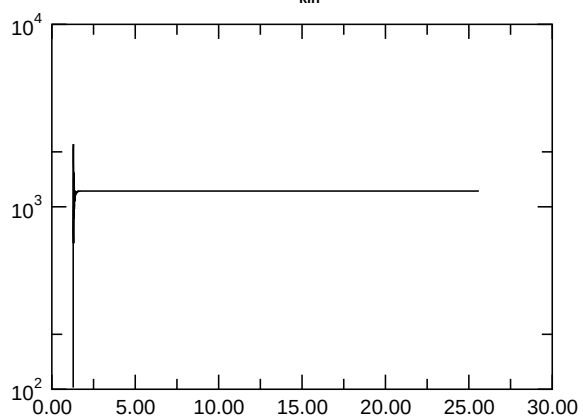
a.e03p1t03r-50000m1n2N2z4.0e4Y.20

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

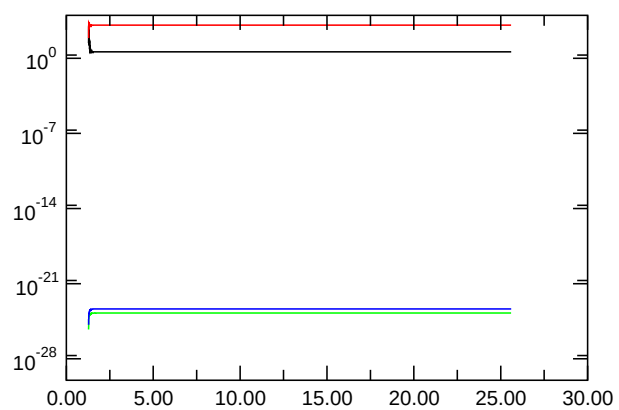
May 17, 2016



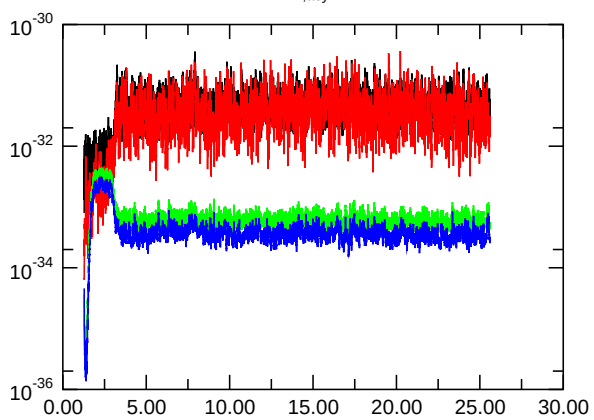
a.e03p1t03r-50000m1n2N2z4.0e4Y
 E_{kin}



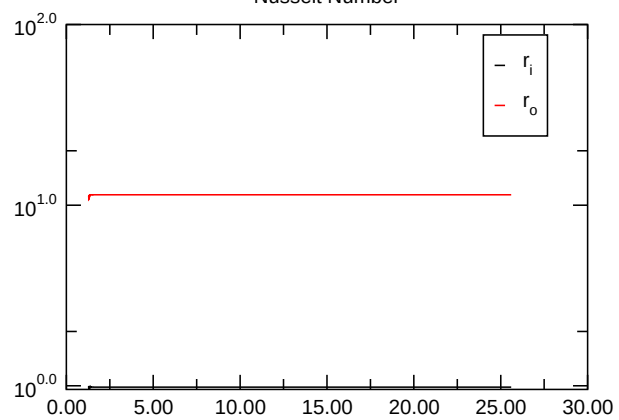
$E_{\text{kin,symm.}}$



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



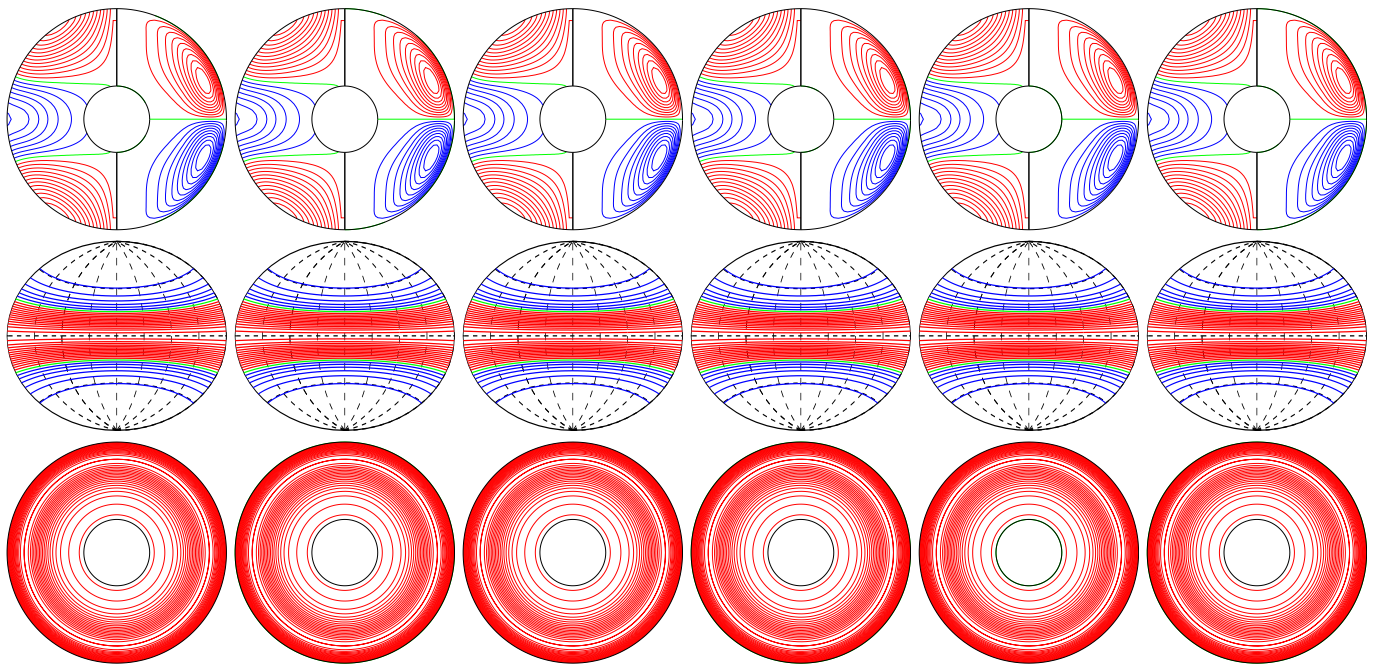
Nusselt Number



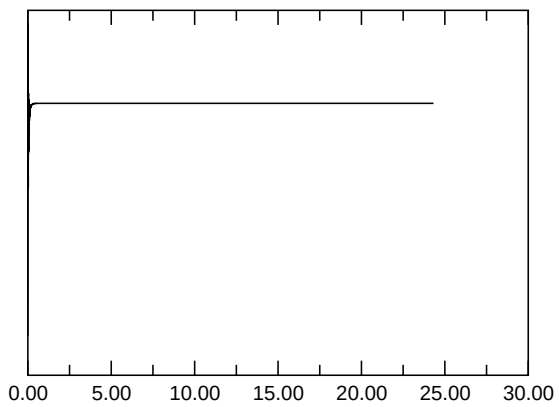
a.e03p1t03r-50000m1n2N2z4.2e4Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

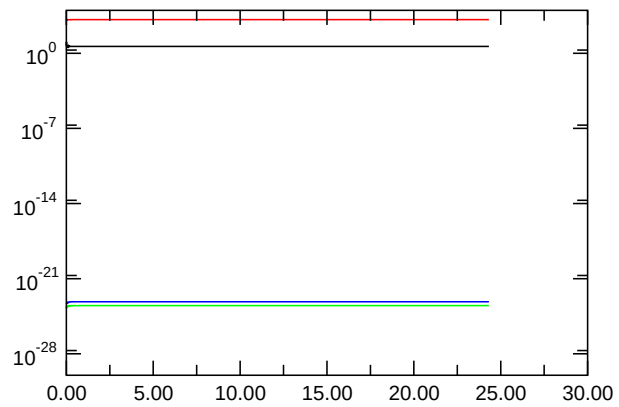
May 17, 2016



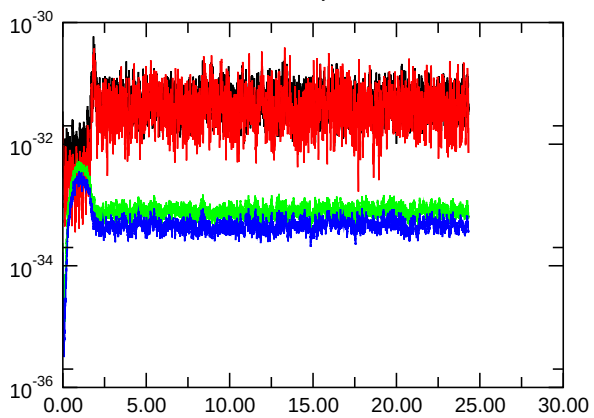
a.e03p1t03r-50000m1n2N2z4.2e4Y
 E_{kin}



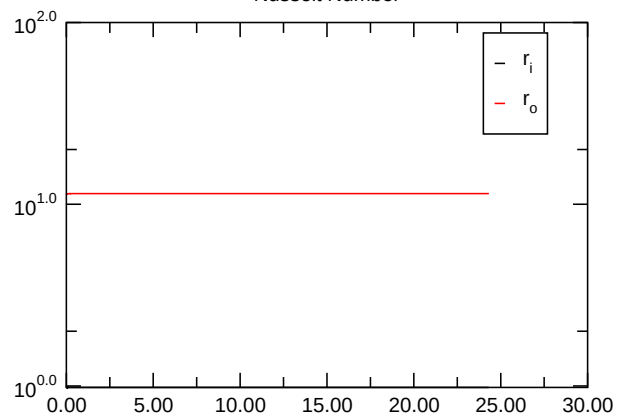
$E_{\text{kin,symm.}}$



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

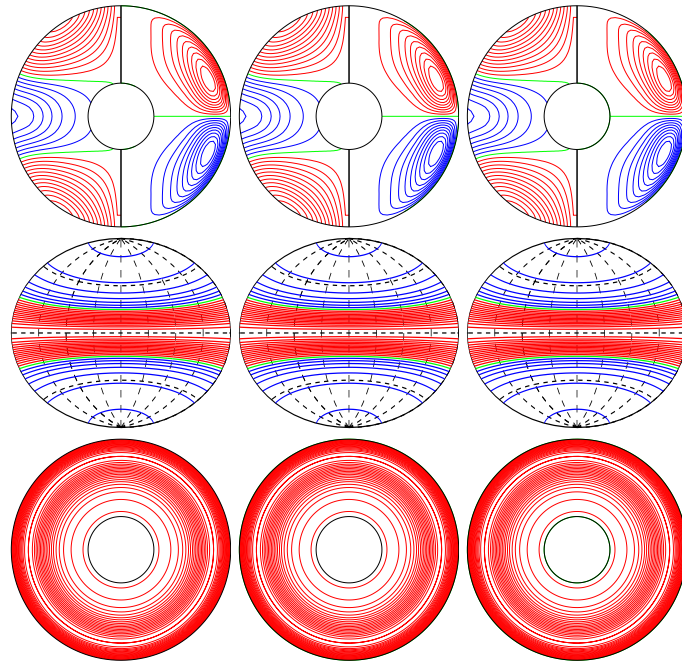


Nusselt Number

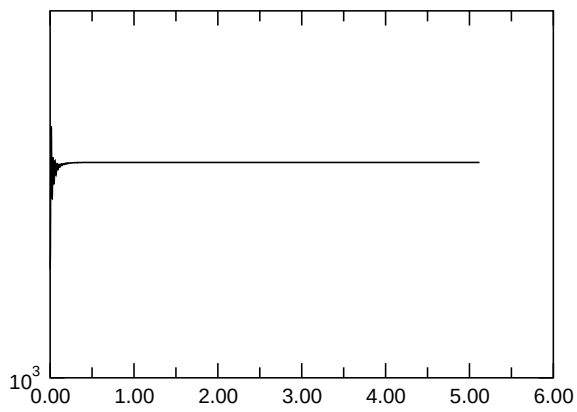


a.e03p1t03r-50000m1n2N2z4.4e4Y.4
times: 1.280001 2.560002 3.840003

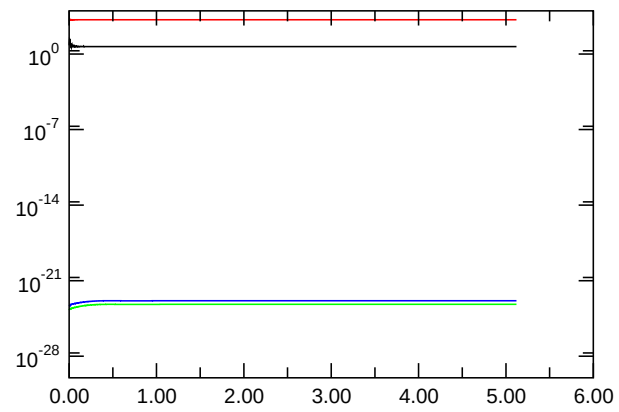
May 17, 2016



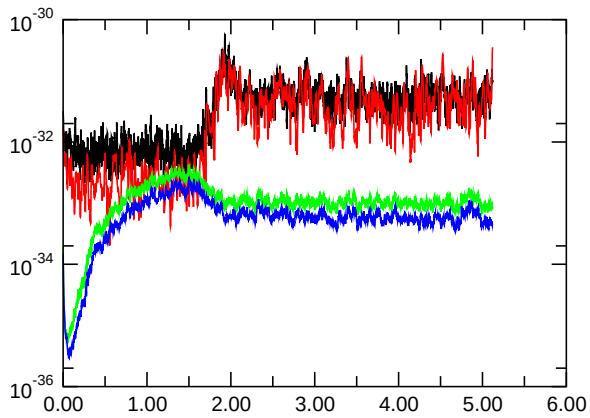
a.e03p1t03r-50000m1n2N2z4.4e4Y
 E_{kin}



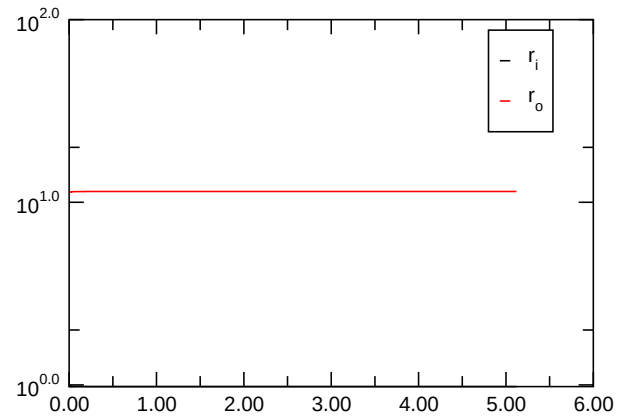
$E_{\text{kin,symm.}}$



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

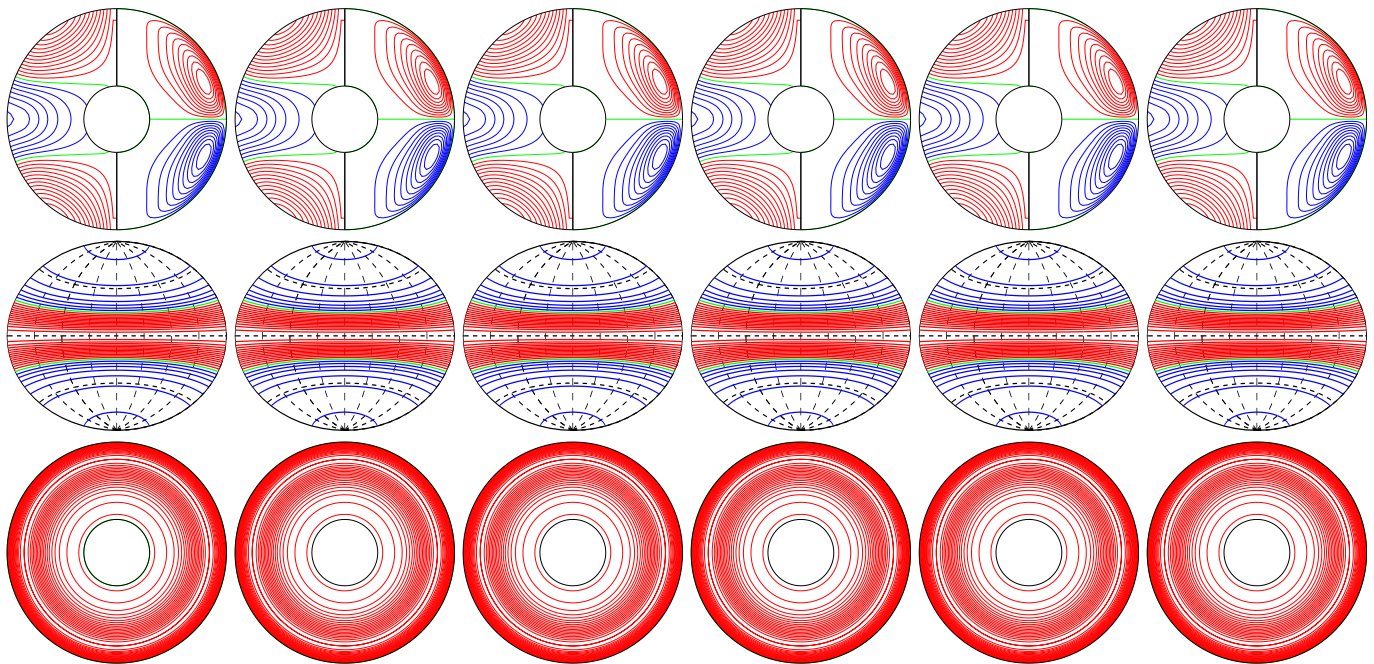


Nusselt Number

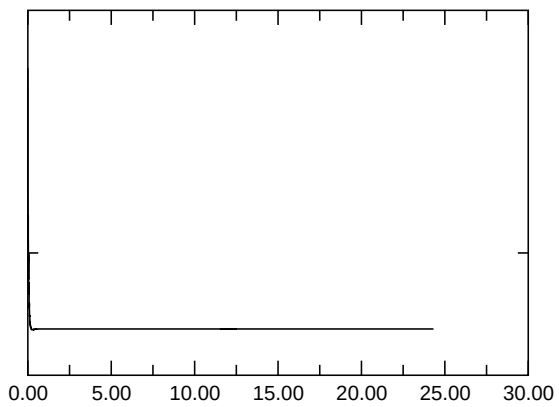


a.e03p1t03r-50000m1n2N2z4.4e4Ya.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

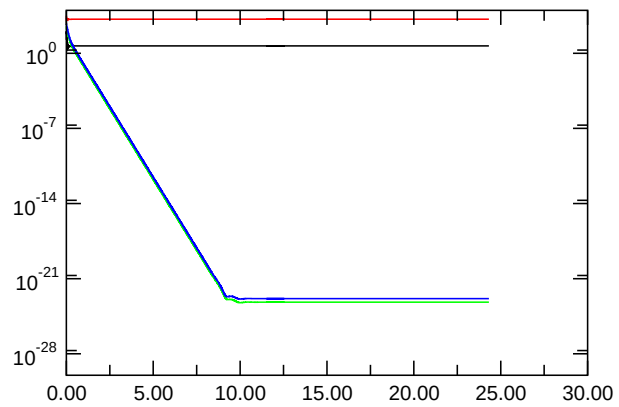
May 17, 2016



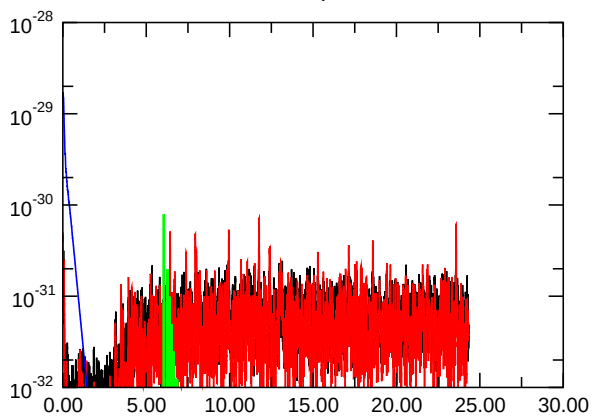
a.e03p1t03r-50000m1n2N2z4.4e4Ya
 E_{kin}



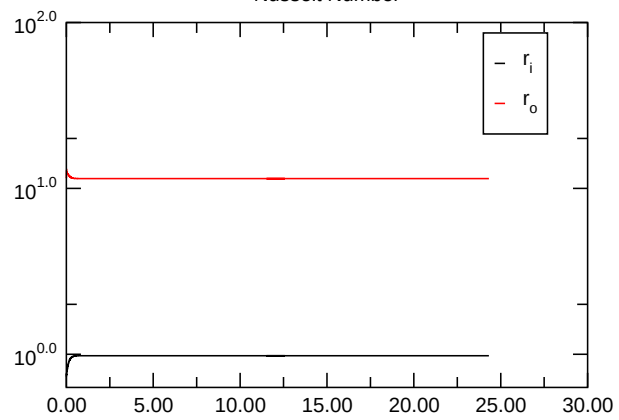
$E_{\text{kin,symm.}}$



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

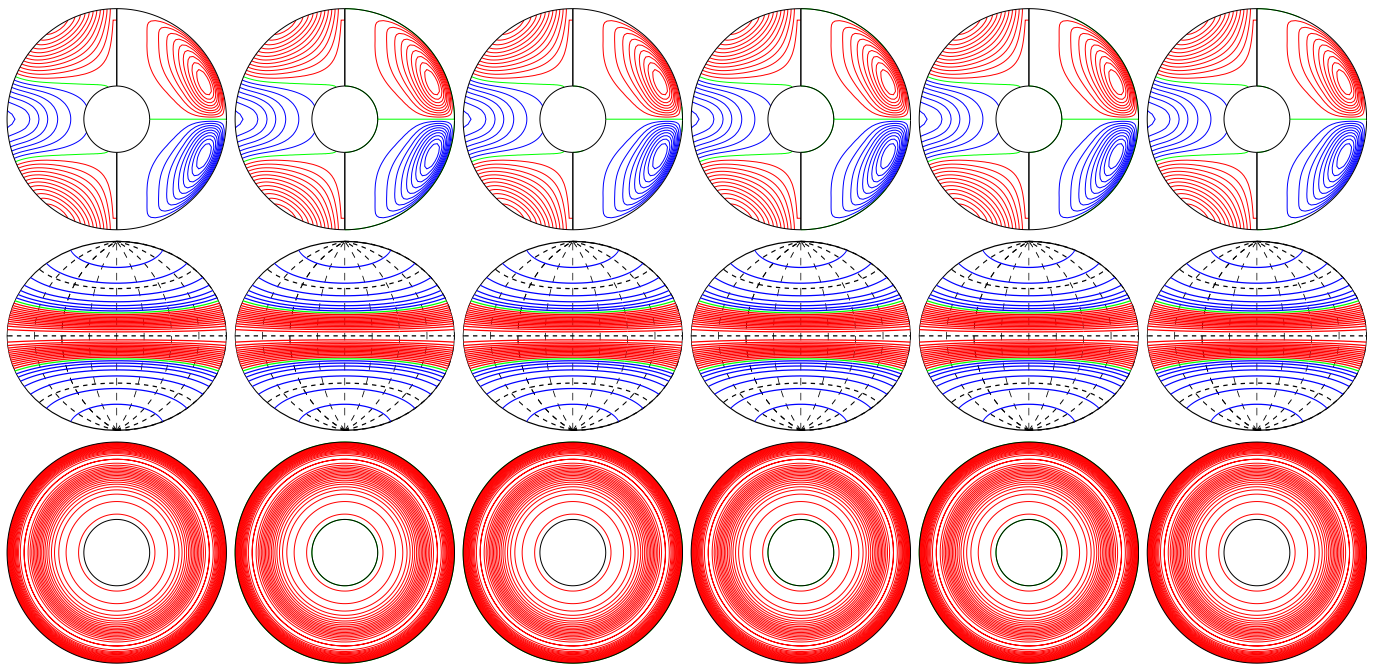


Nusselt Number

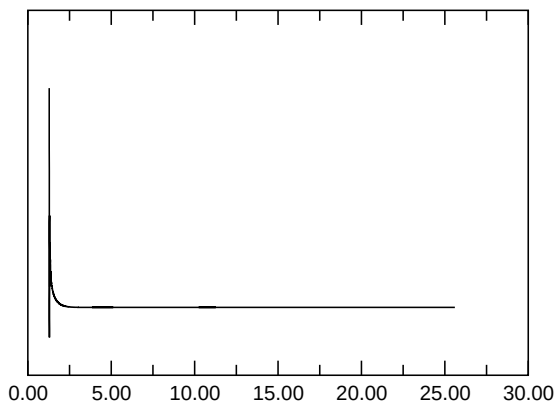


a.e03p1t03r-50000m1n2N2z4.5e4Ya.20
times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001

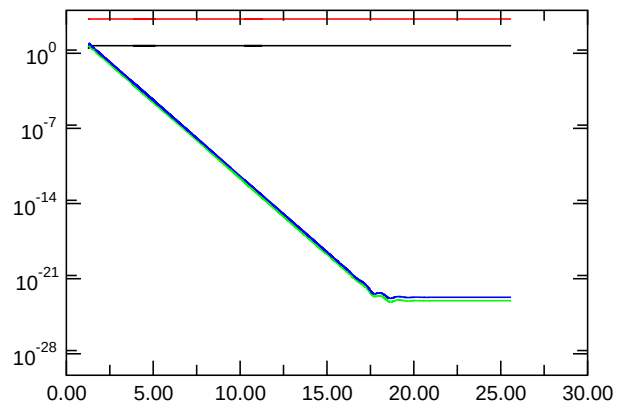
May 17, 2016



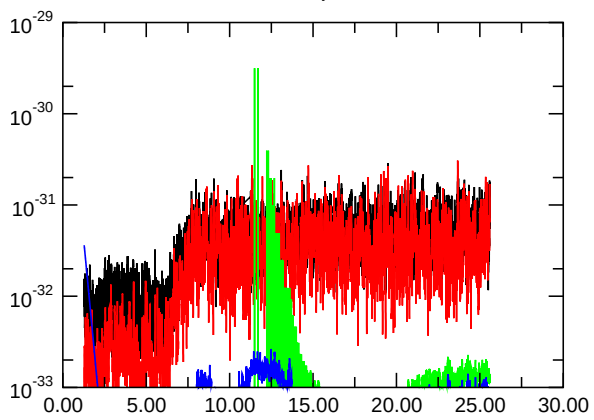
a.e03p1t03r-50000m1n2N2z4.5e4Ya
 E_{kin}



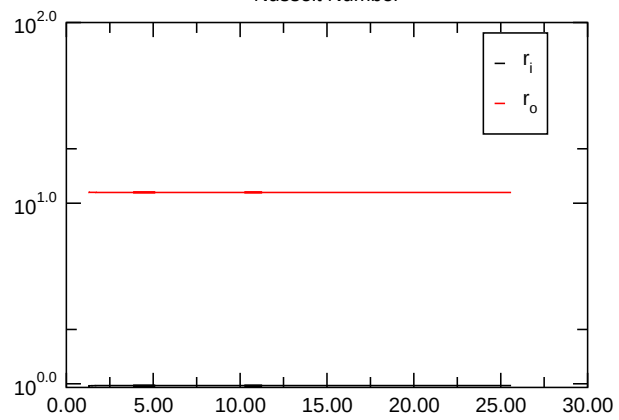
$E_{\text{kin,symm.}}$



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



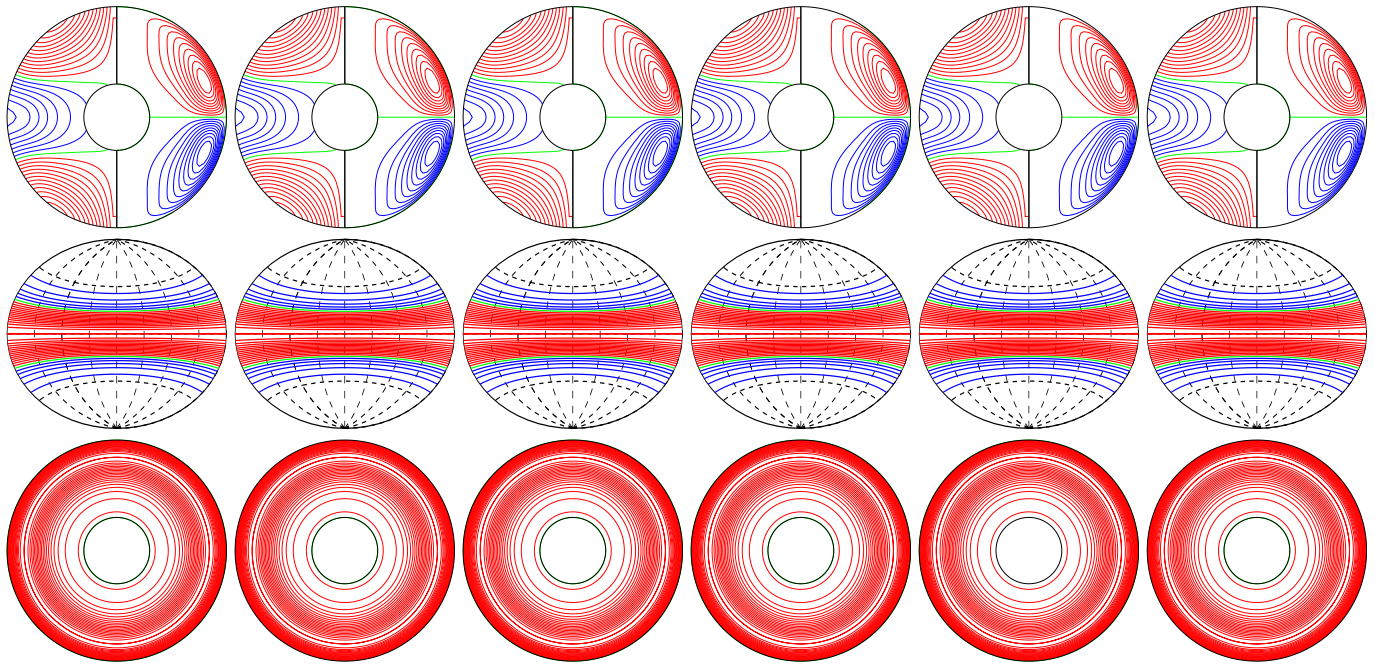
Nusselt Number



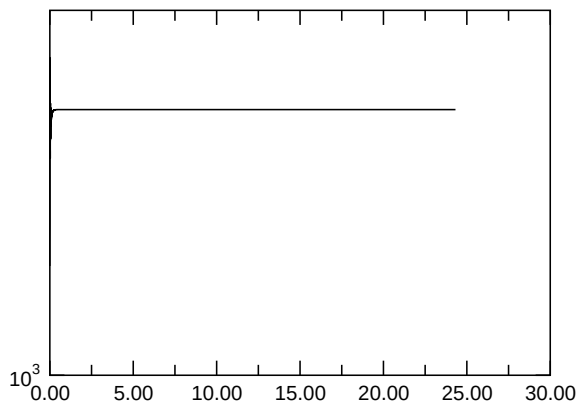
a.e03p1t03r-50000m1n2N2z4.6e4Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

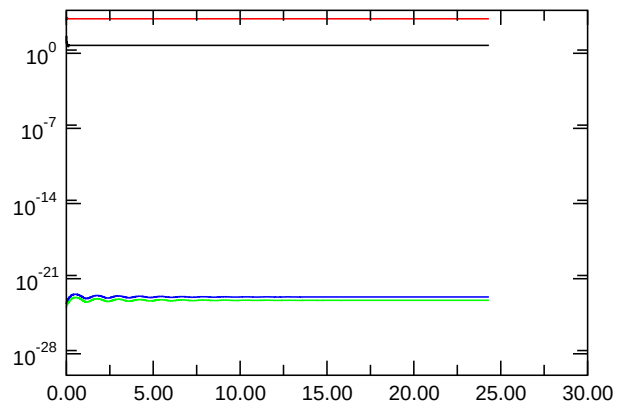
May 17, 2016



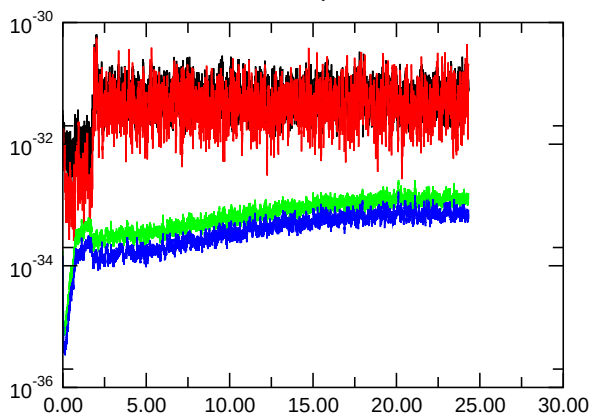
a.e03p1t03r-50000m1n2N2z4.6e4Y
 E_{kin}



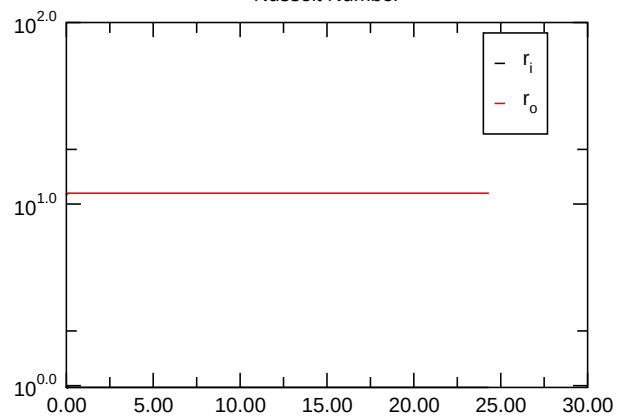
$E_{\text{kin,symm.}}$



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



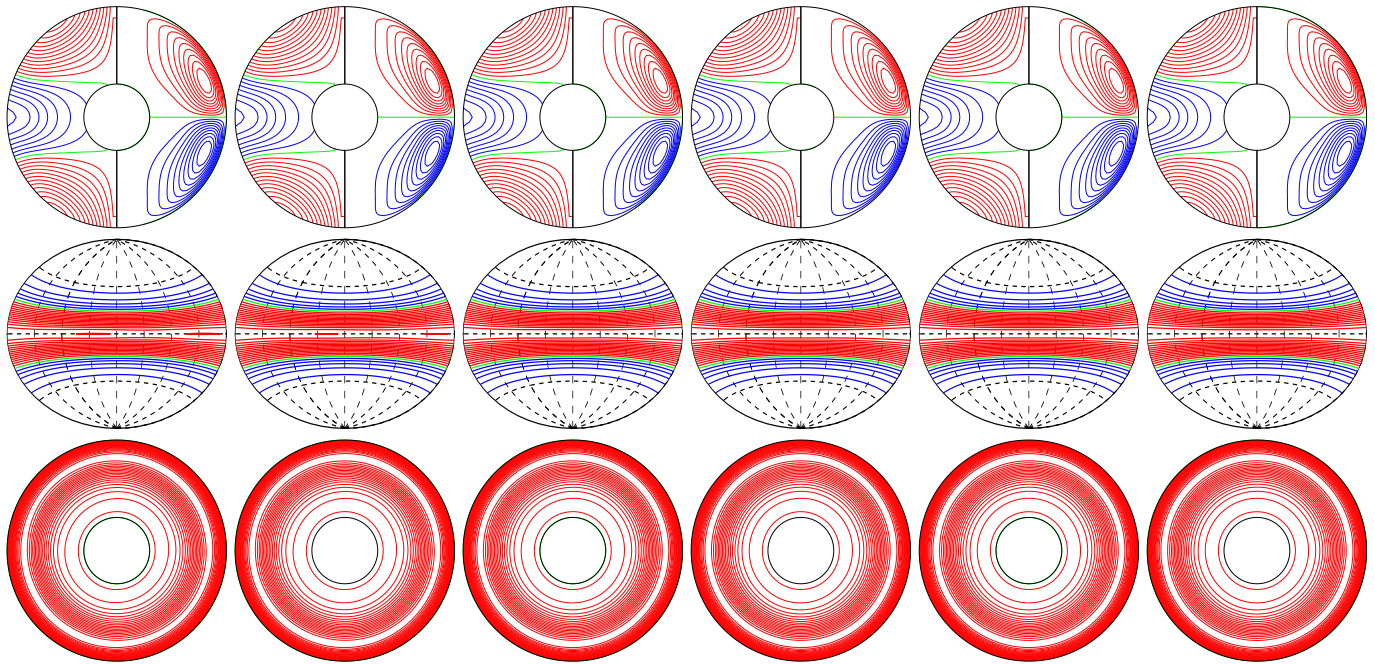
Nusselt Number



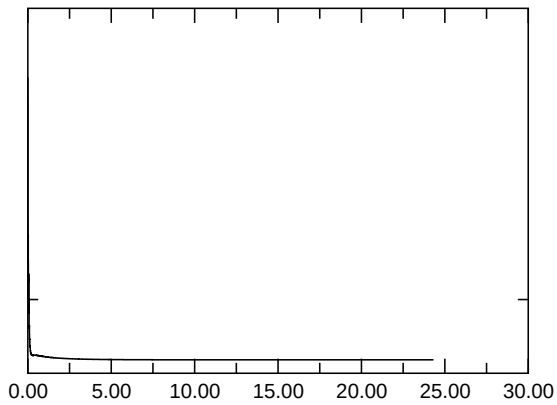
a.e03p1t03r-50000m1n2N2z4.6e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

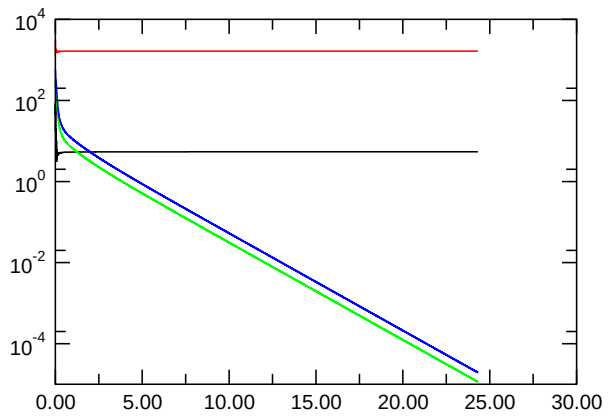
May 17, 2016



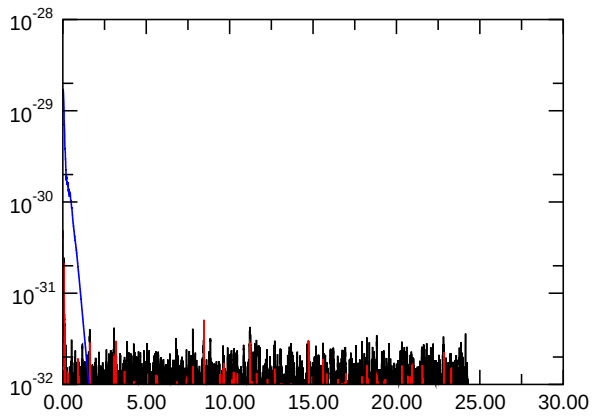
a.e03p1t03r-50000m1n2N2z4.6e4Ya
 E_{kin}



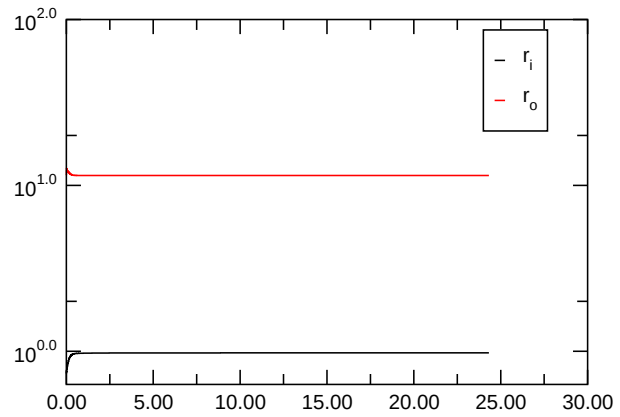
$E_{\text{kin,symm.}}$



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

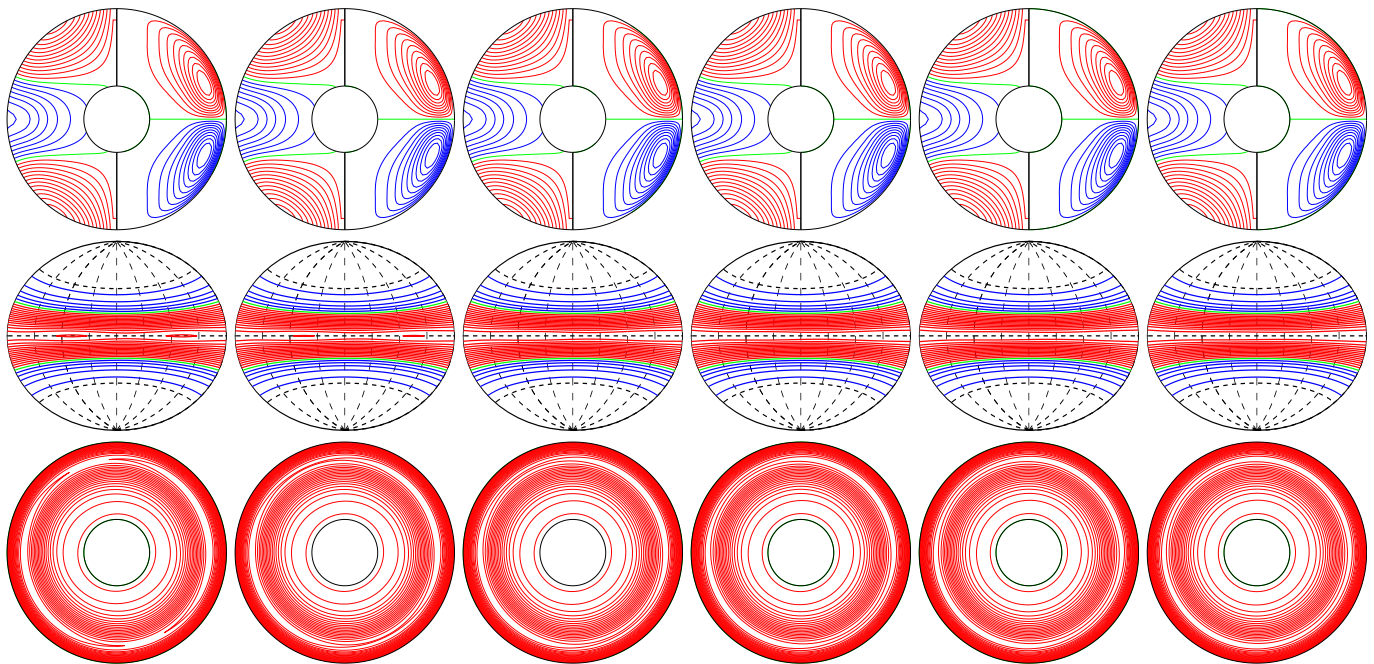


Nusselt Number



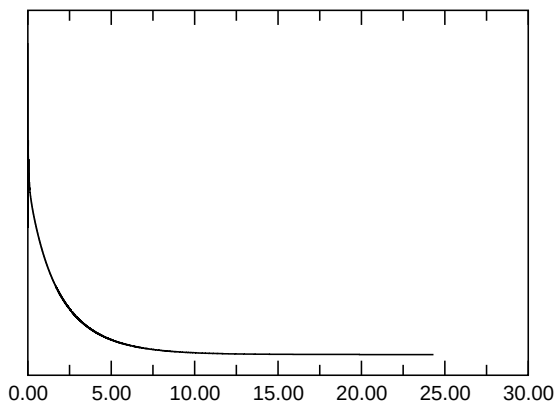
a.e03p1t03r-50000m1n2N2z4.605e4Yb.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

May 17, 2016

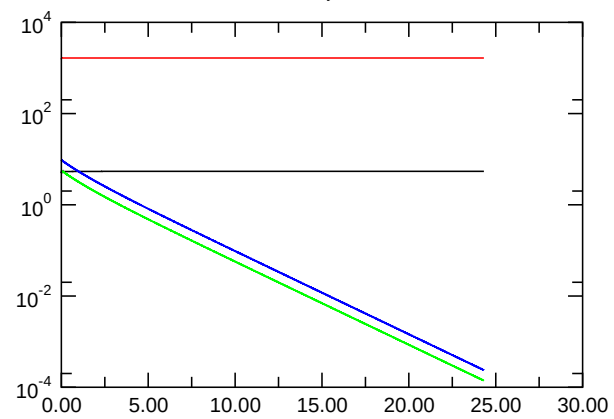


a.e03p1t03r-50000m1n2N2z4.605e4Yb

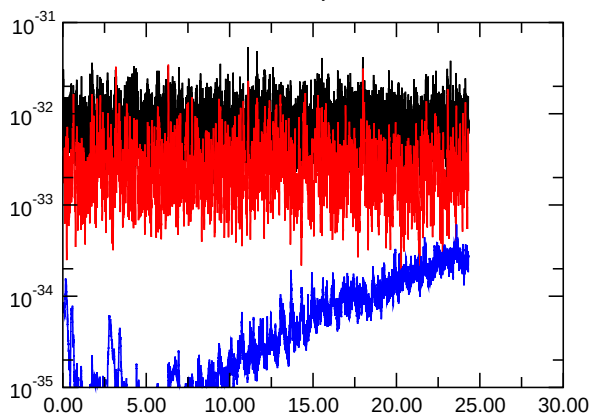
E_{kin}



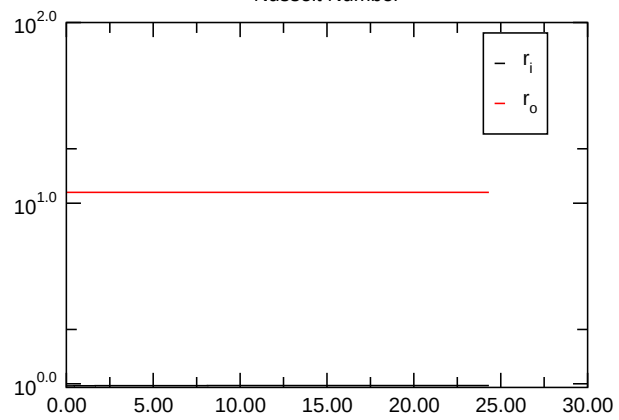
$E_{\text{kin,symm.}}$



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

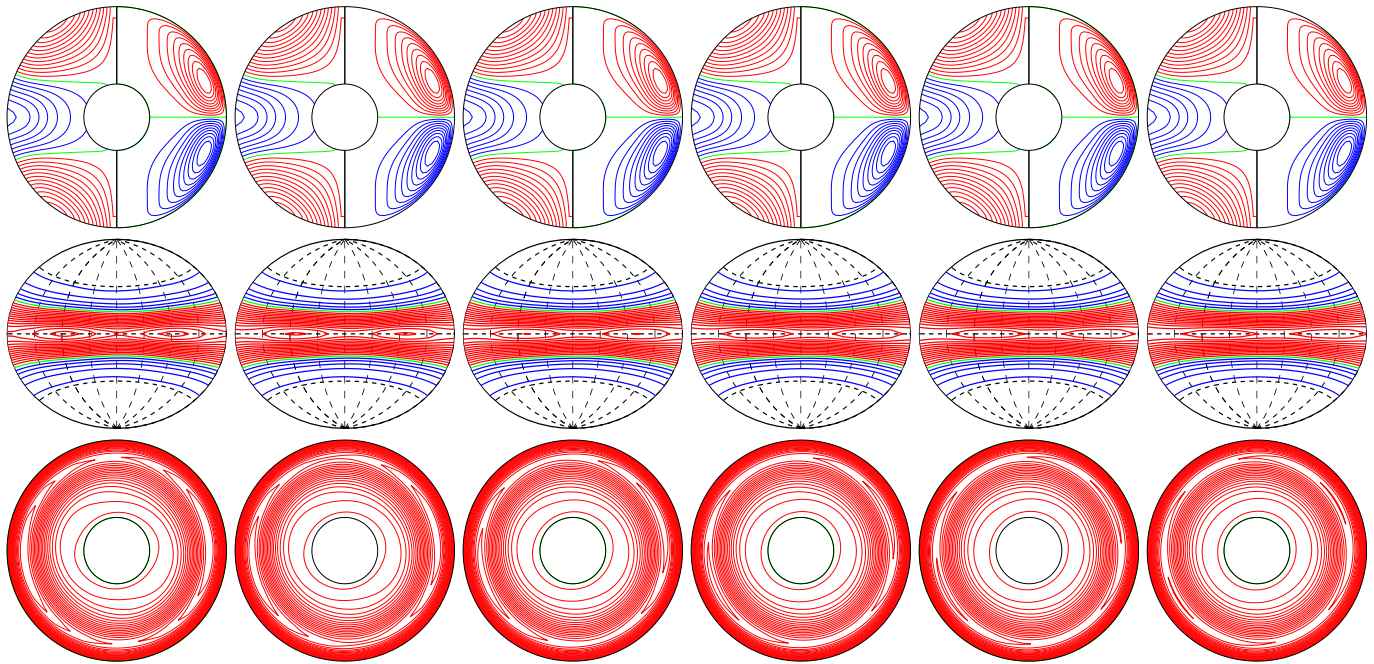


Nusselt Number

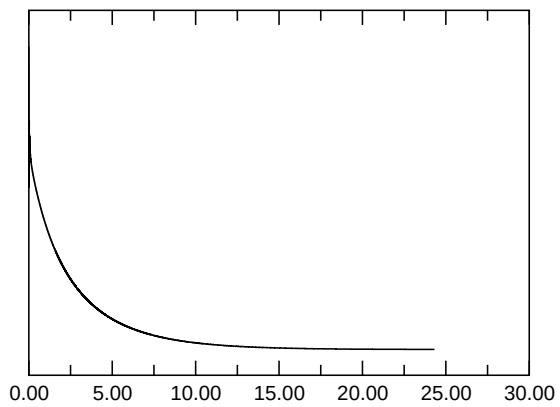


a.e03p1t03r-50000m1n2N2z4.61e4Yb.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

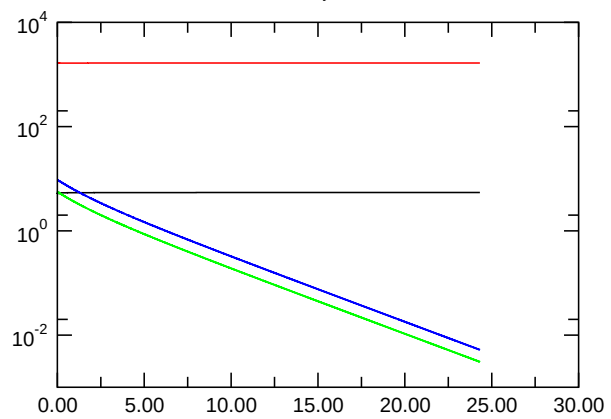
May 17, 2016



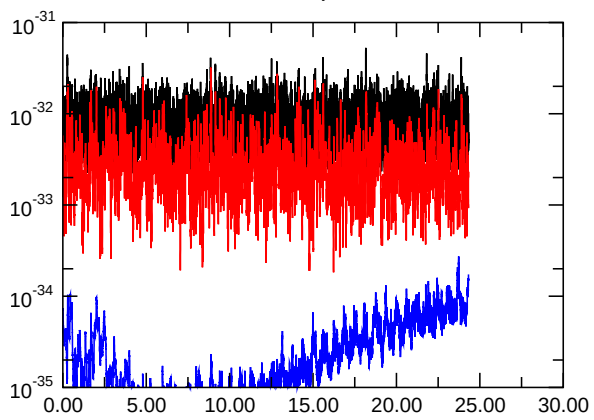
a.e03p1t03r-50000m1n2N2z4.61e4Yb
 E_{kin}



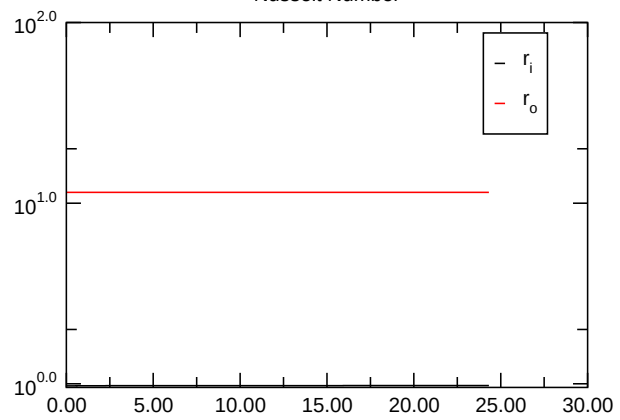
$E_{\text{kin,symm.}}$



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

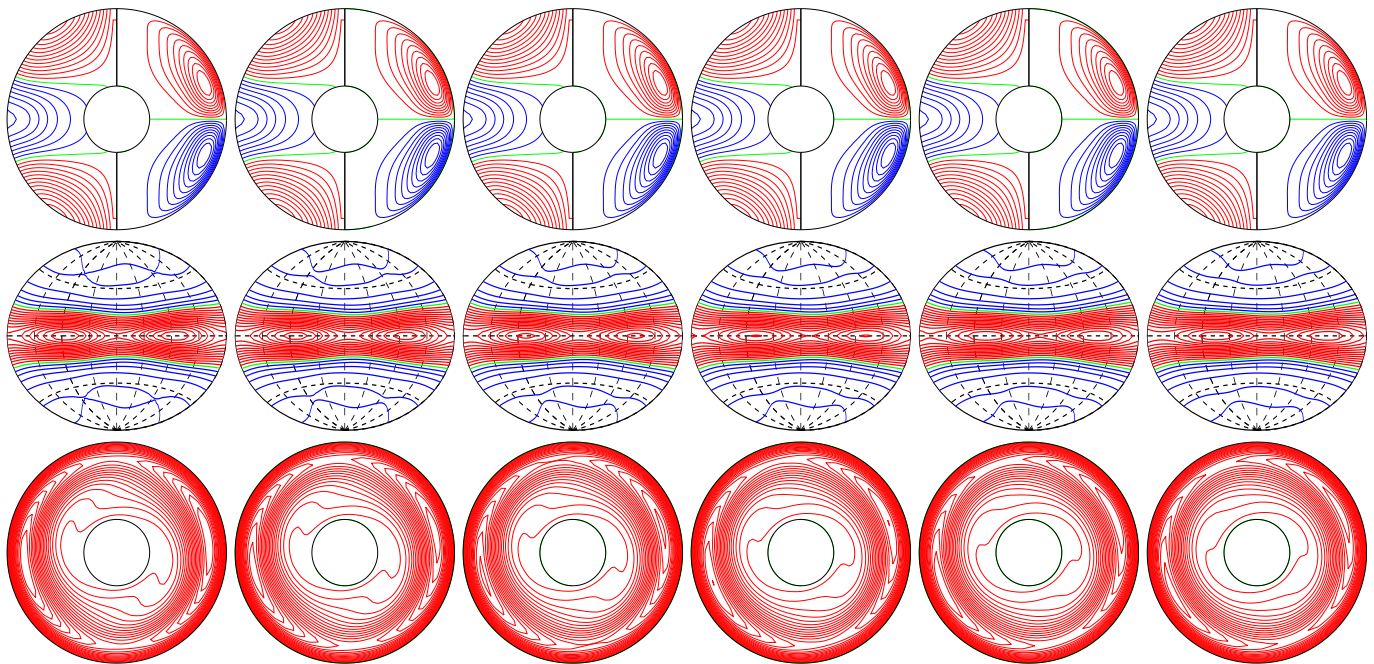


Nusselt Number



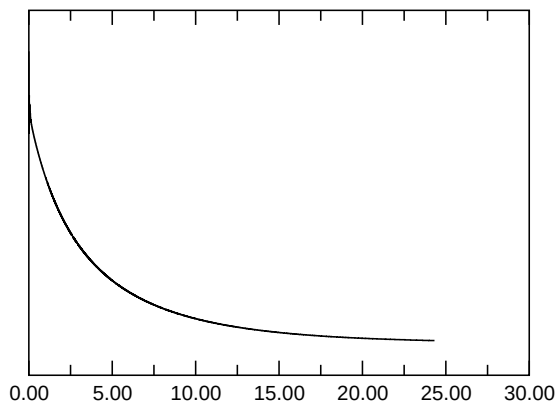
a.e03p1t03r-50000m1n2N2z4.615e4Yb.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

May 17, 2016

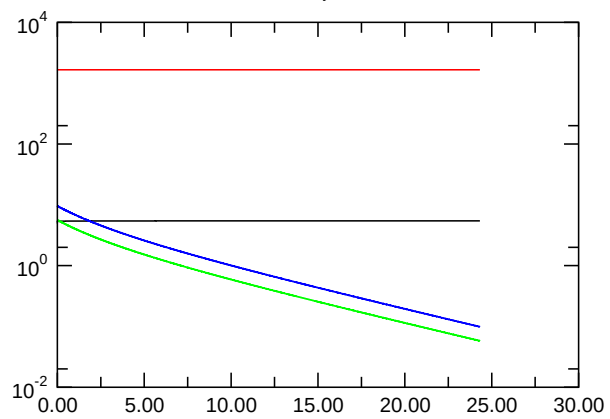


a.e03p1t03r-50000m1n2N2z4.615e4Yb

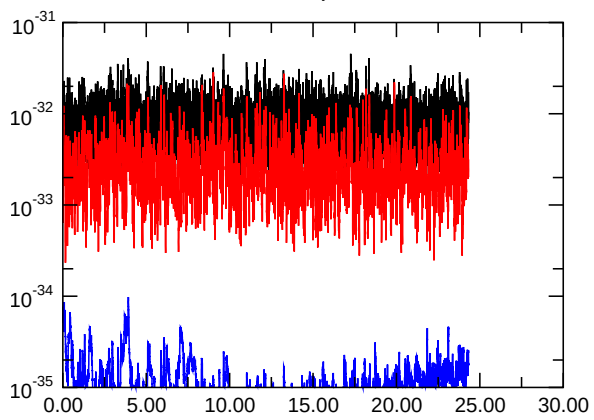
E_{kin}



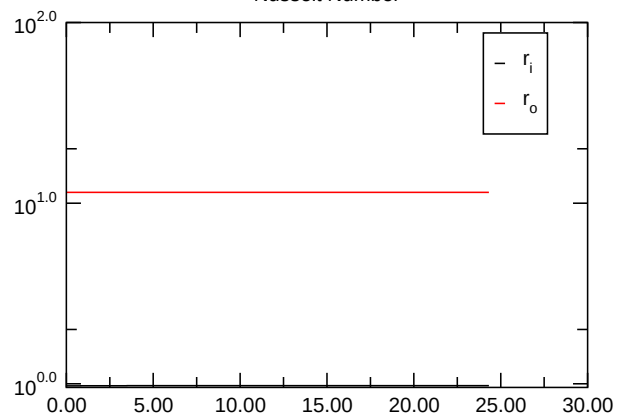
$E_{\text{kin,symm.}}$



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

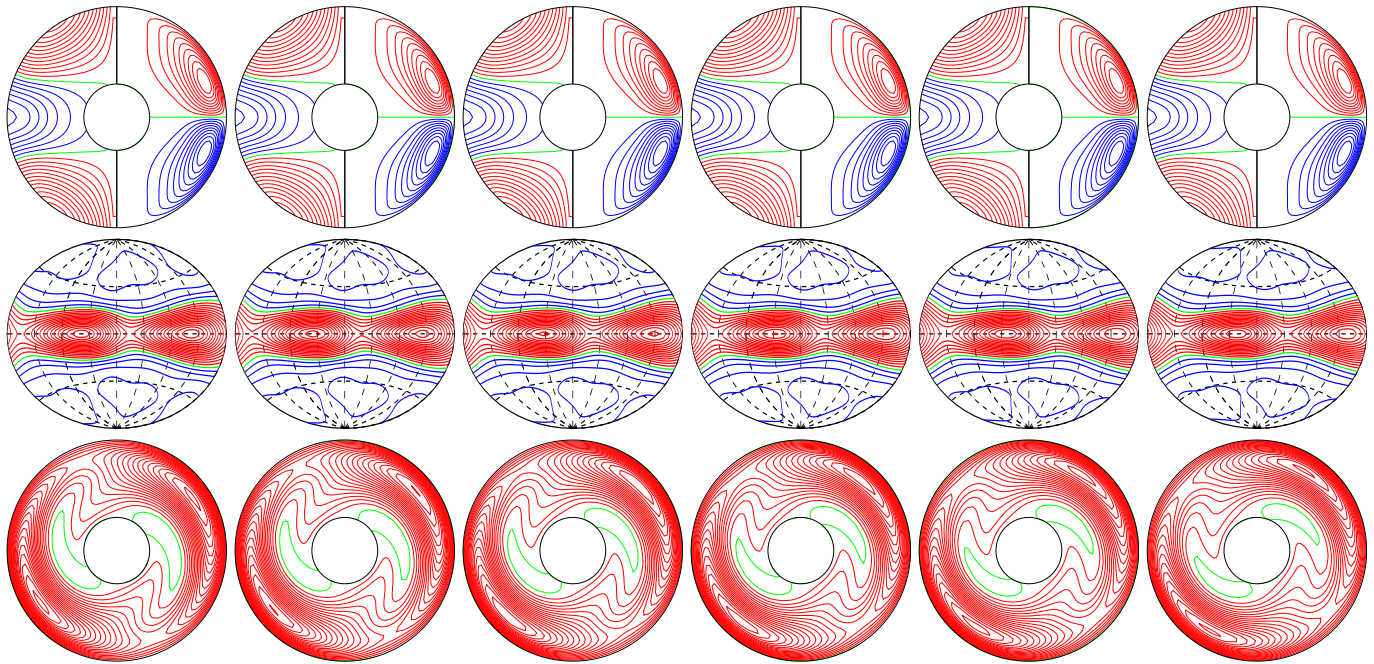


Nusselt Number

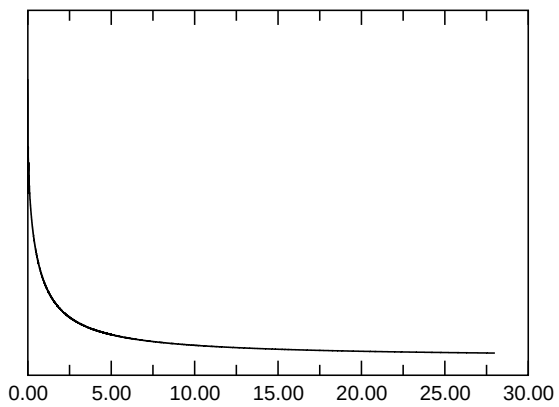


a.e03p1t03r-50000m1n2N2z4.62e4Yb.22
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

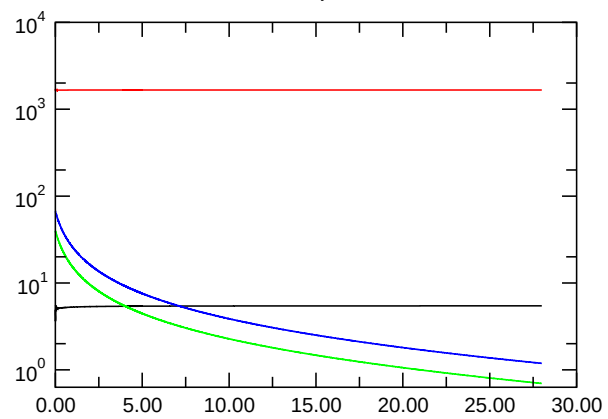
May 17, 2016



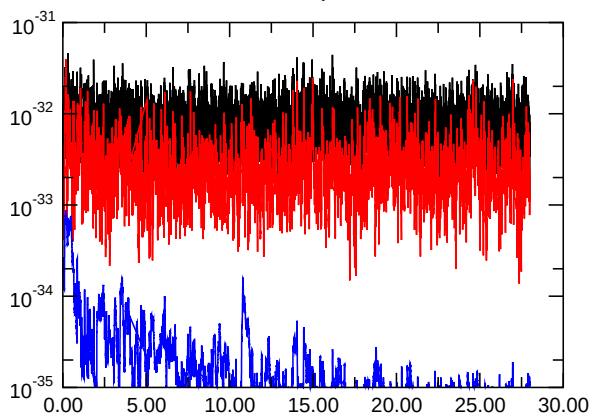
a.e03p1t03r-50000m1n2N2z4.62e4Yb
 E_{kin}



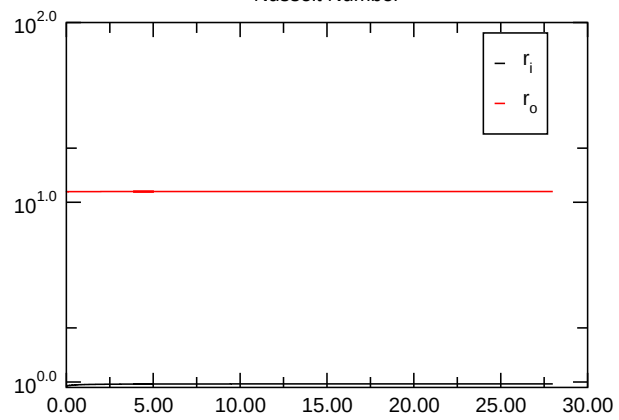
$E_{\text{kin,symm.}}$



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

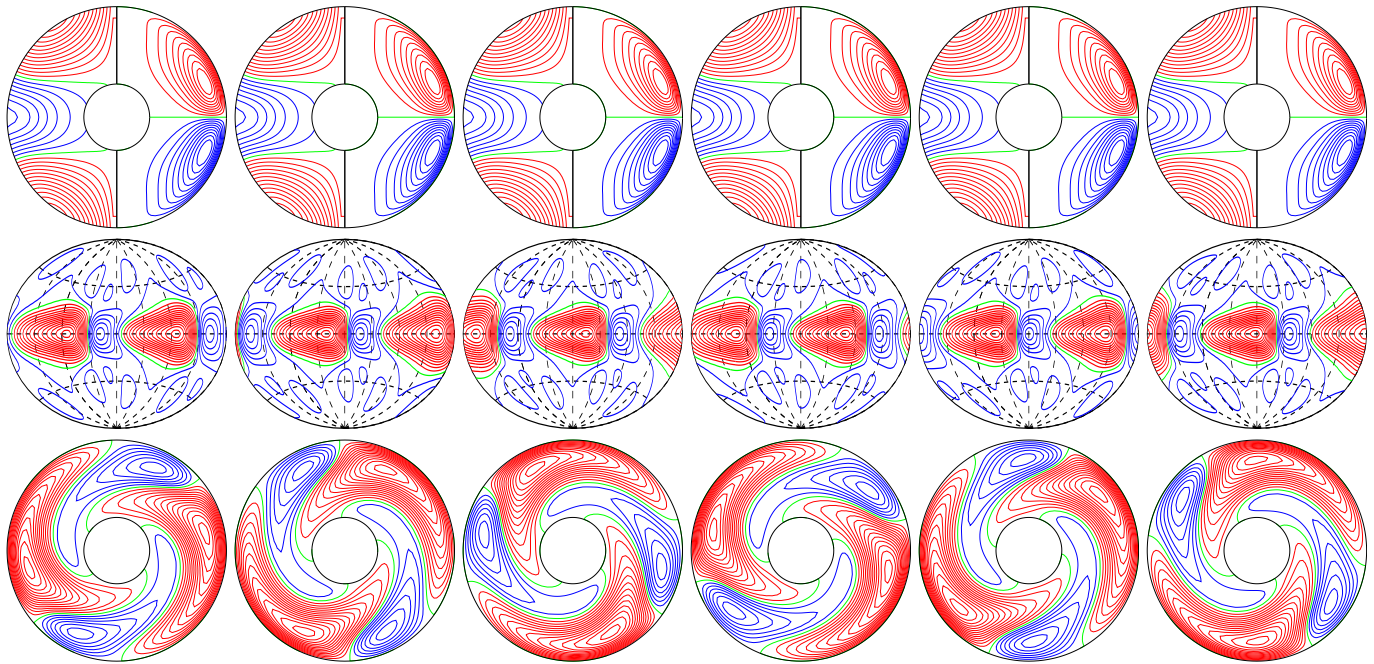


Nusselt Number

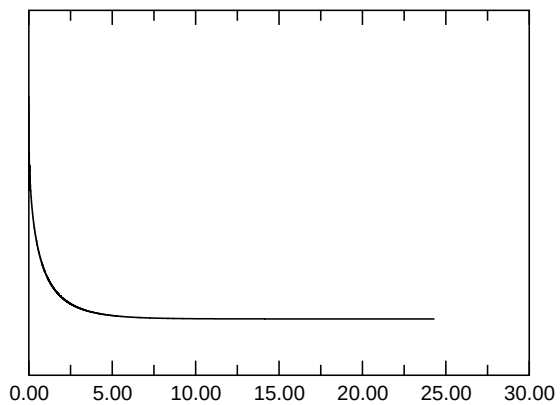


a.e03p1t03r-50000m1n2N2z4.64e4Yb.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

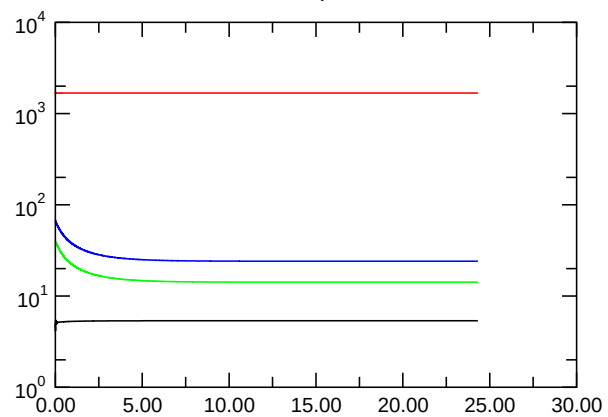
May 17, 2016



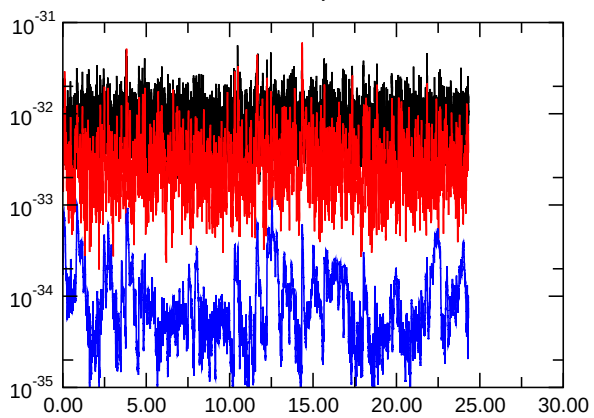
a.e03p1t03r-50000m1n2N2z4.64e4Yb
 E_{kin}



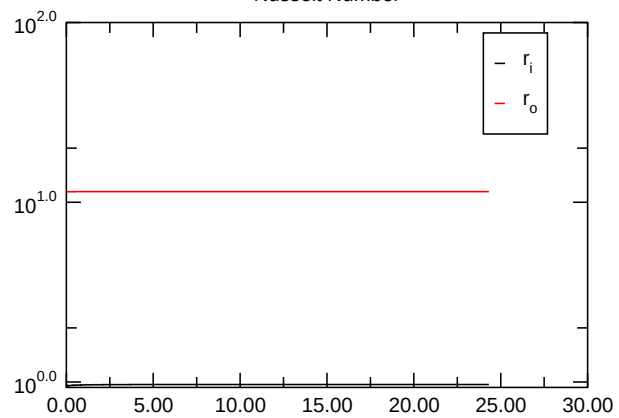
$E_{\text{kin,symm.}}$



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

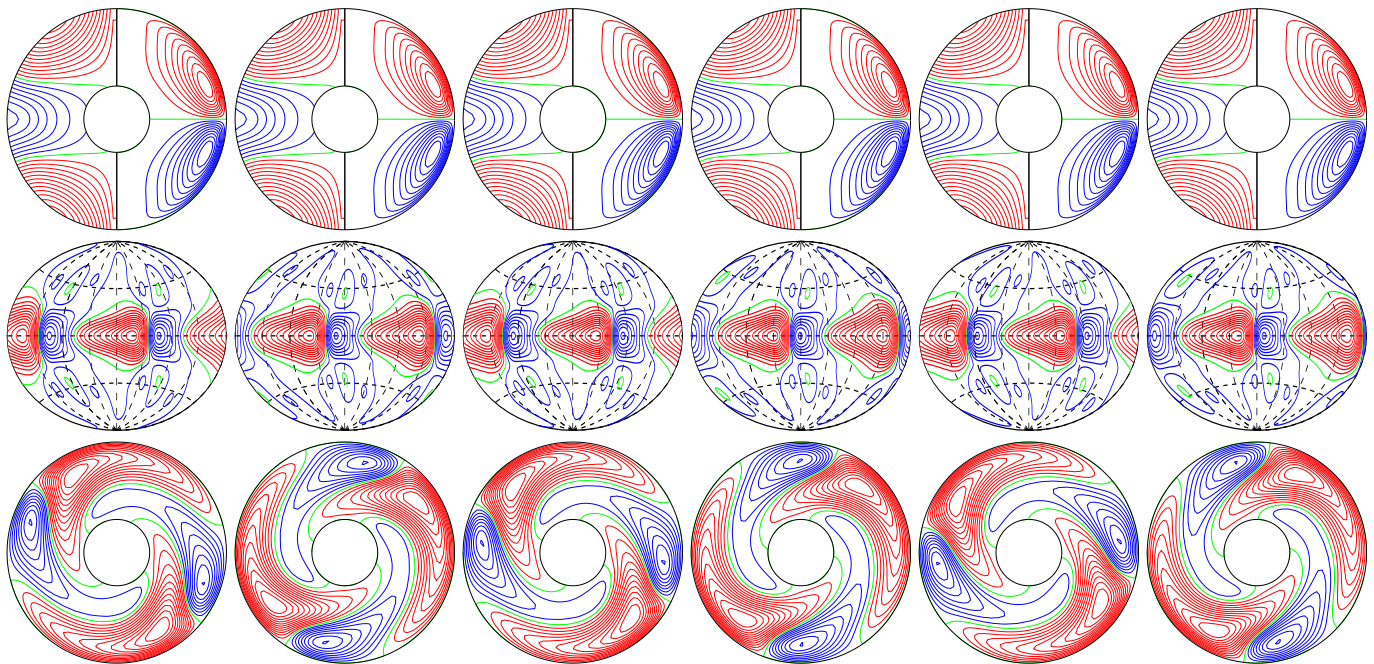


Nusselt Number

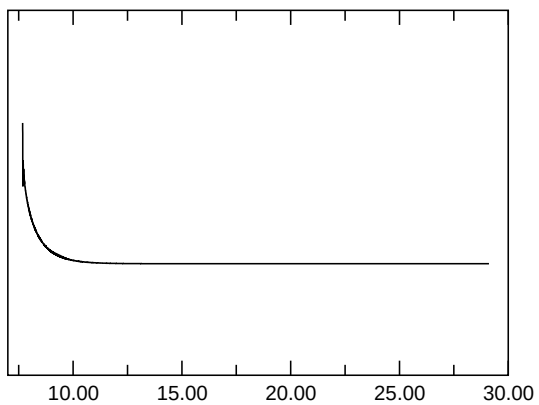


a.e03p1t03r-50000m1n2N2z4.66e4Yb.17
times: 21.76001 23.04001 24.32001 25.60001 26.88001 28.16001

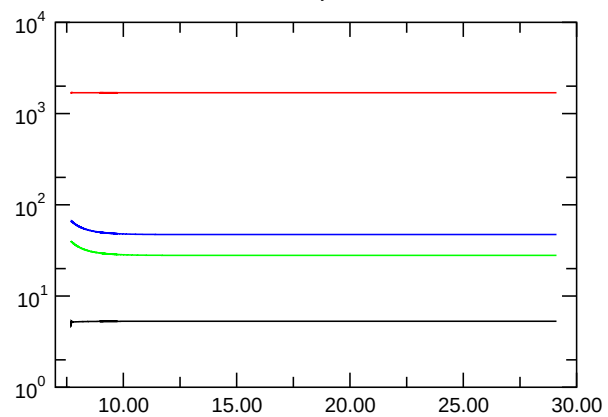
May 17, 2016



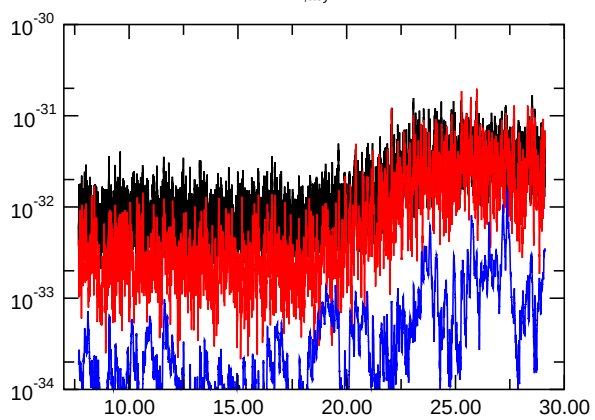
a.e03p1t03r-50000m1n2N2z4.66e4Yb
 E_{kin}



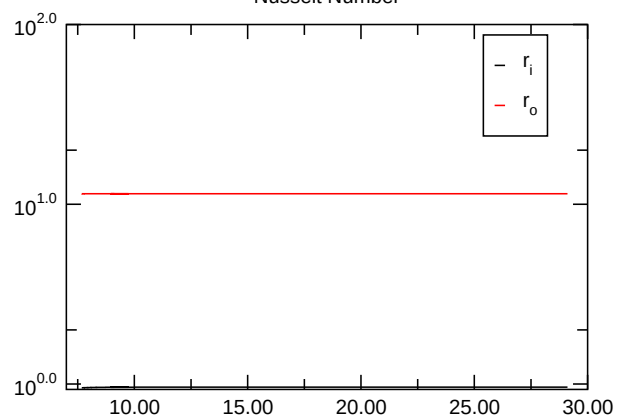
$E_{\text{kin,symm.}}$



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

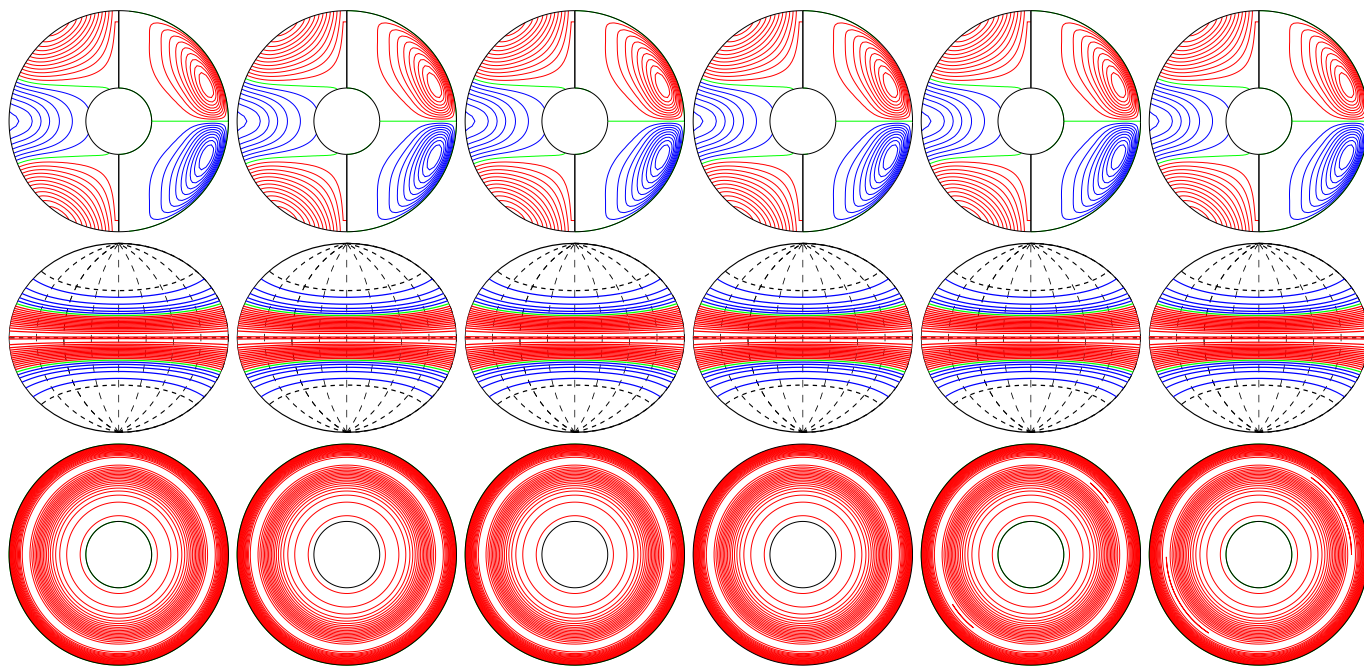


Nusselt Number

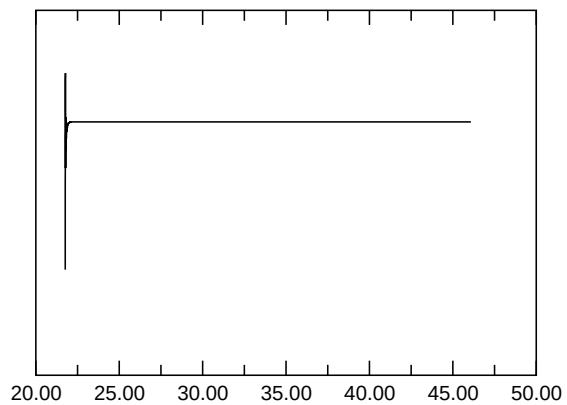


a.e03p1t03r-50000m1n2N2z4.66e4Ybb.20
times: 39.68001 40.96001 42.24001 43.52001 44.80001 46.08001

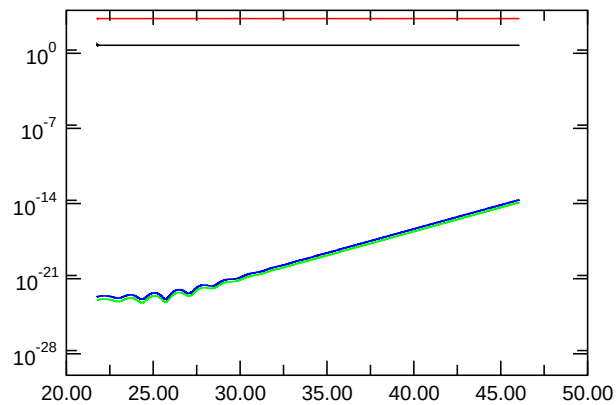
May 17, 2016



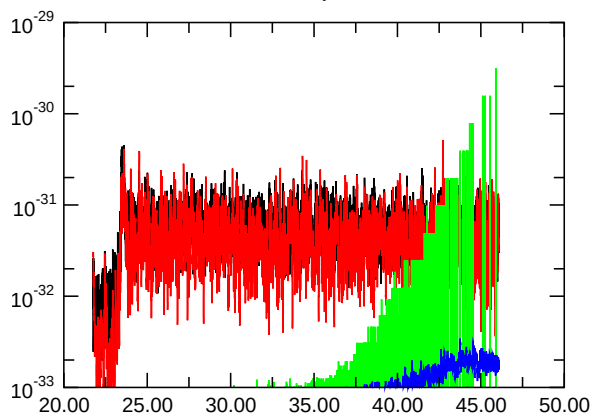
a.e03p1t03r-50000m1n2N2z4.66e4Ybb
 E_{kin}



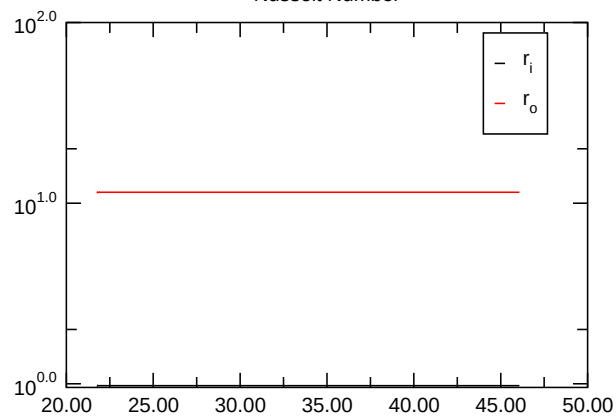
$E_{\text{kin,symm.}}$



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

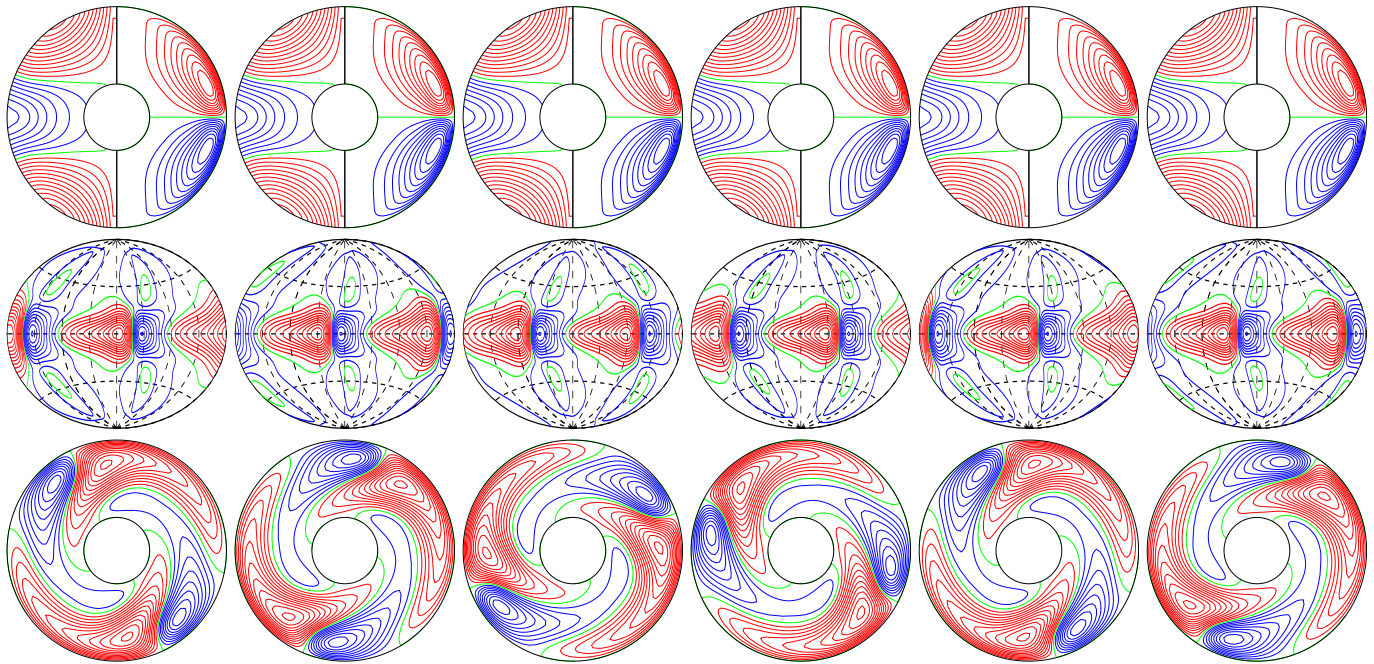


Nusselt Number

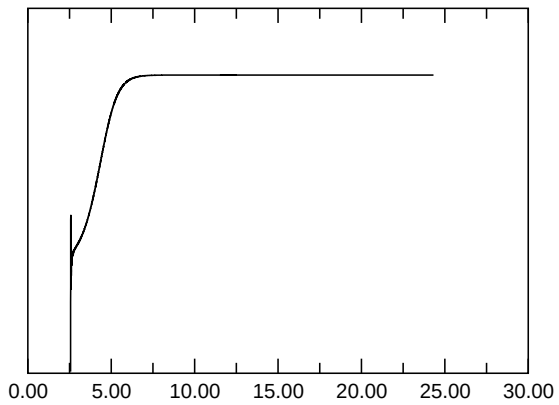


a.e03p1t03r-50000m1n2N2z4.68e4Yb.18
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

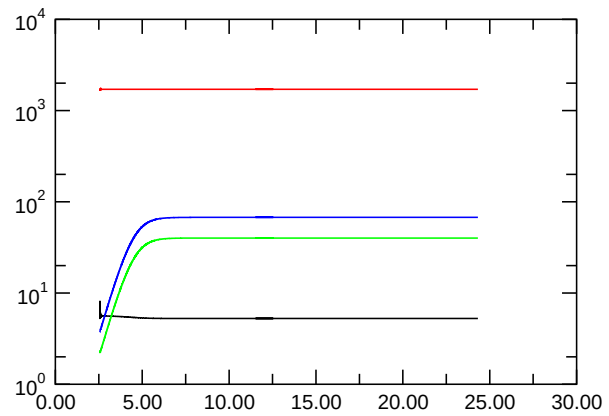
May 17, 2016



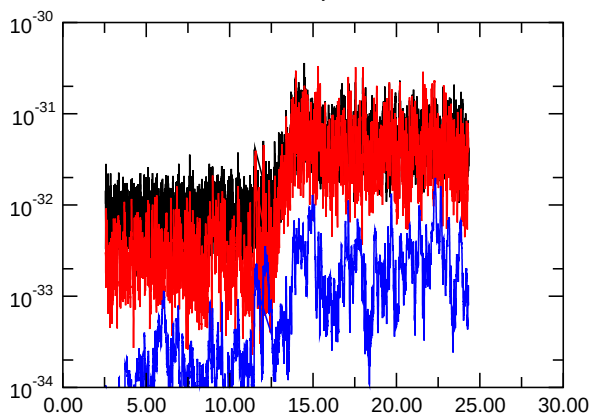
a.e03p1t03r-50000m1n2N2z4.68e4Yb
 E_{kin}



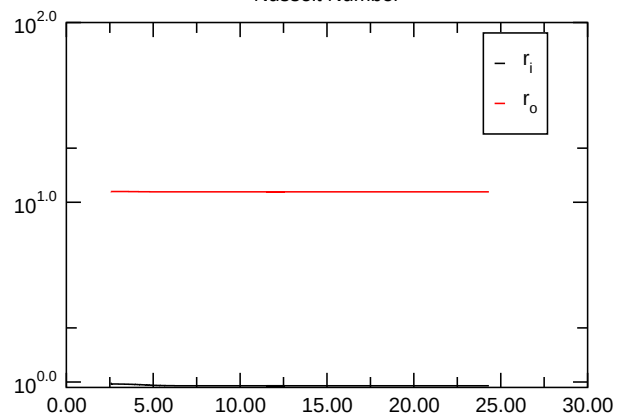
$E_{\text{kin,symm.}}$



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



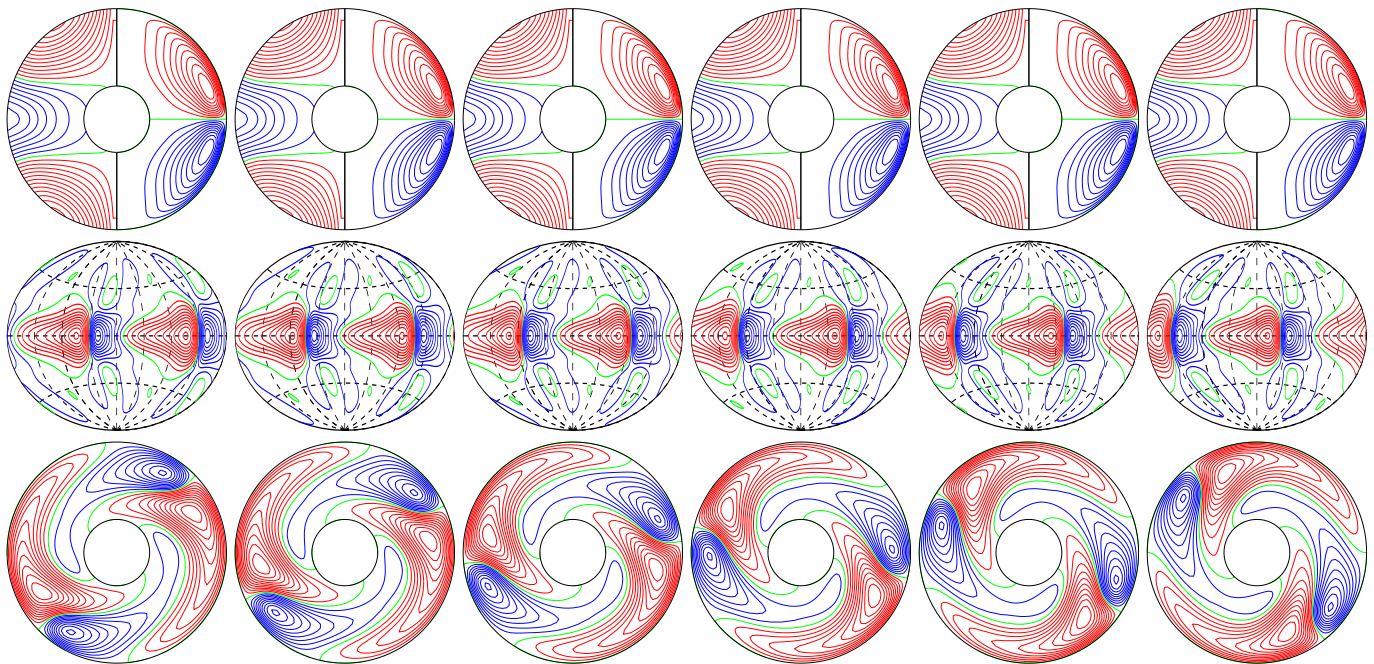
Nusselt Number



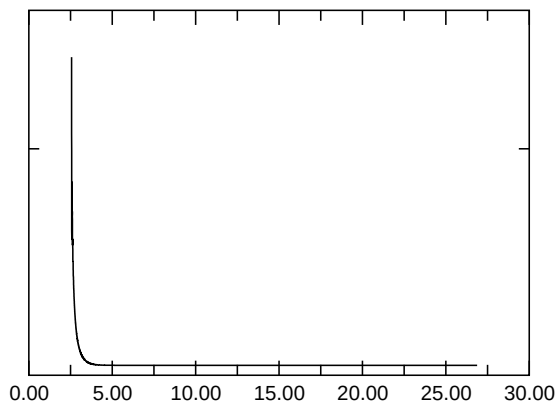
a.e03p1t03r-50000m1n2N2z4.7e4Ya.20

times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

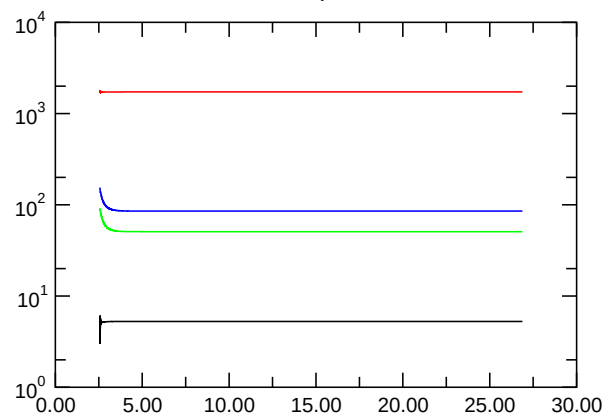
May 17, 2016



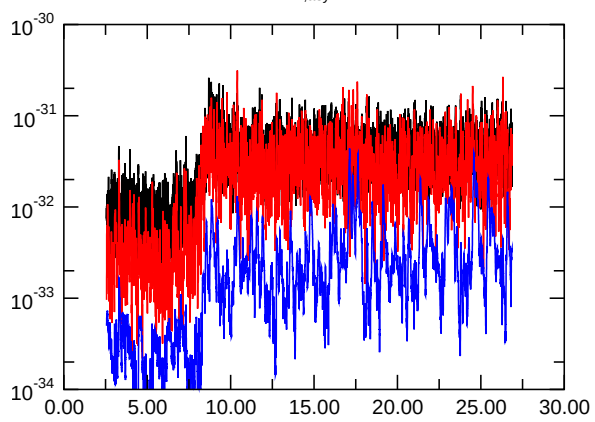
a.e03p1t03r-50000m1n2N2z4.7e4Ya
 E_{kin}



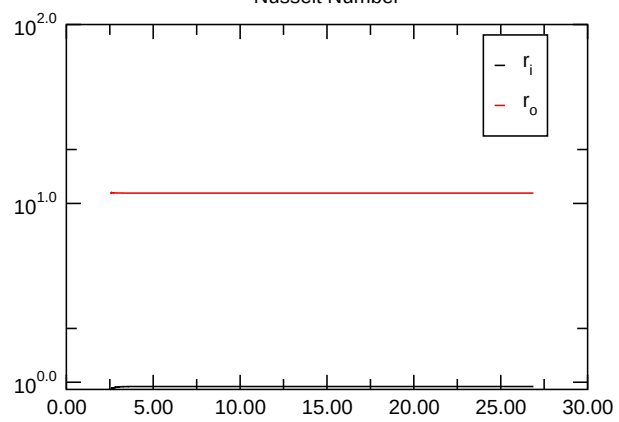
$E_{\text{kin,symm.}}$



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



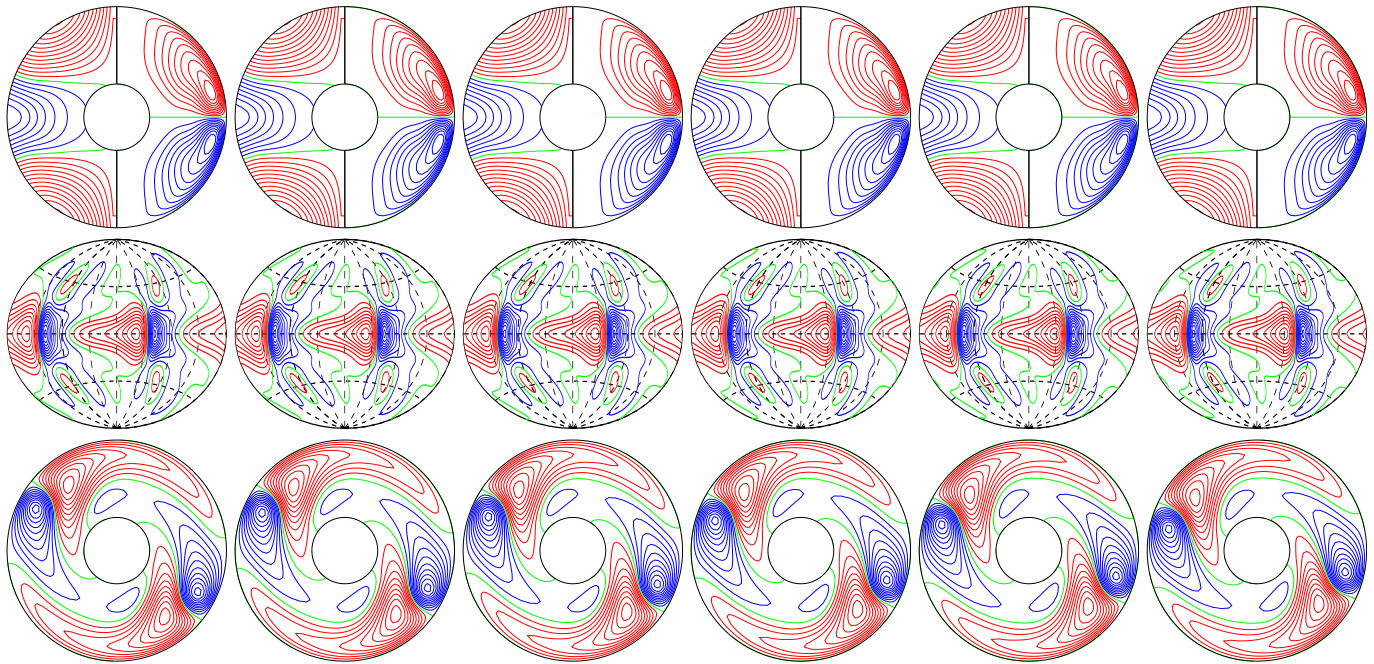
Nusselt Number



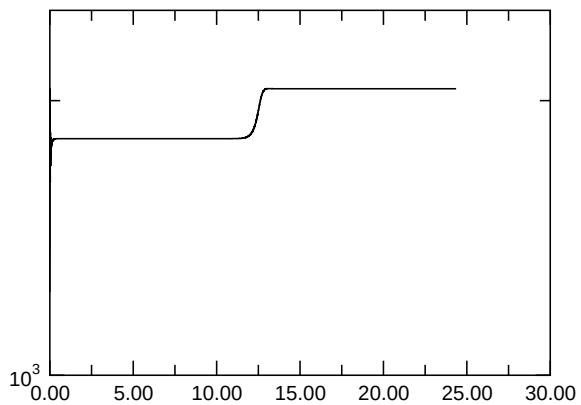
a.e03p1t03r-50000m1n2N2z4.8e4Y.25

times: 24.32001 24.32801 24.33601 24.34401 24.35201 24.36001

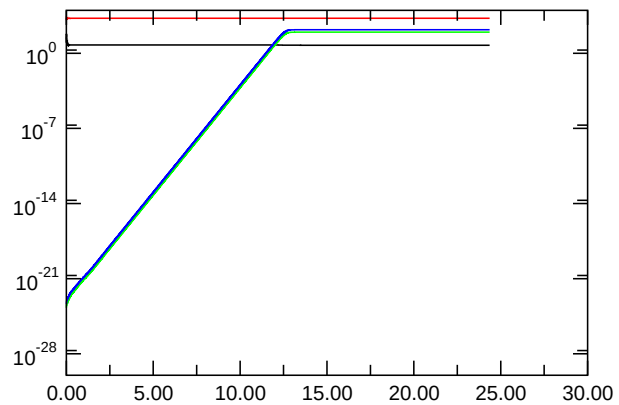
May 17, 2016



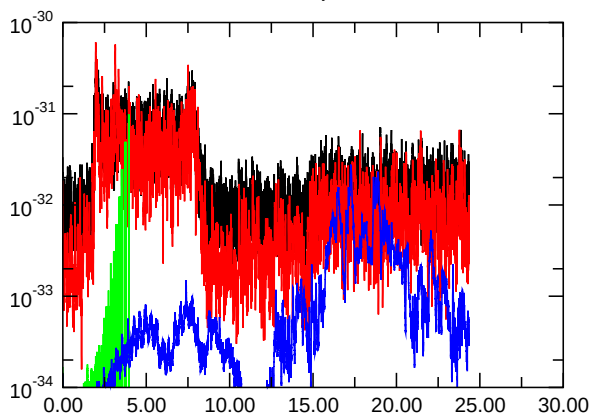
a.e03p1t03r-50000m1n2N2z4.8e4Y
 E_{kin}



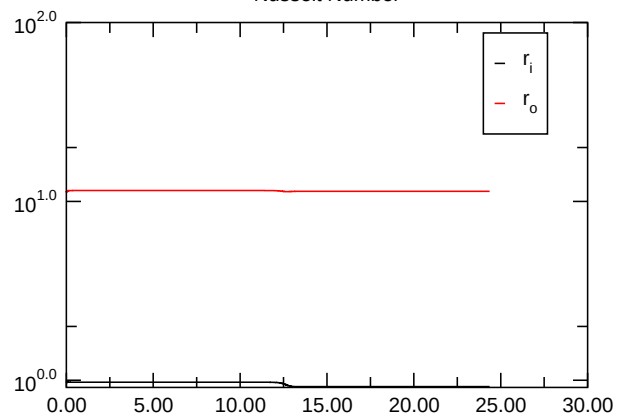
$E_{\text{kin,symm.}}$



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

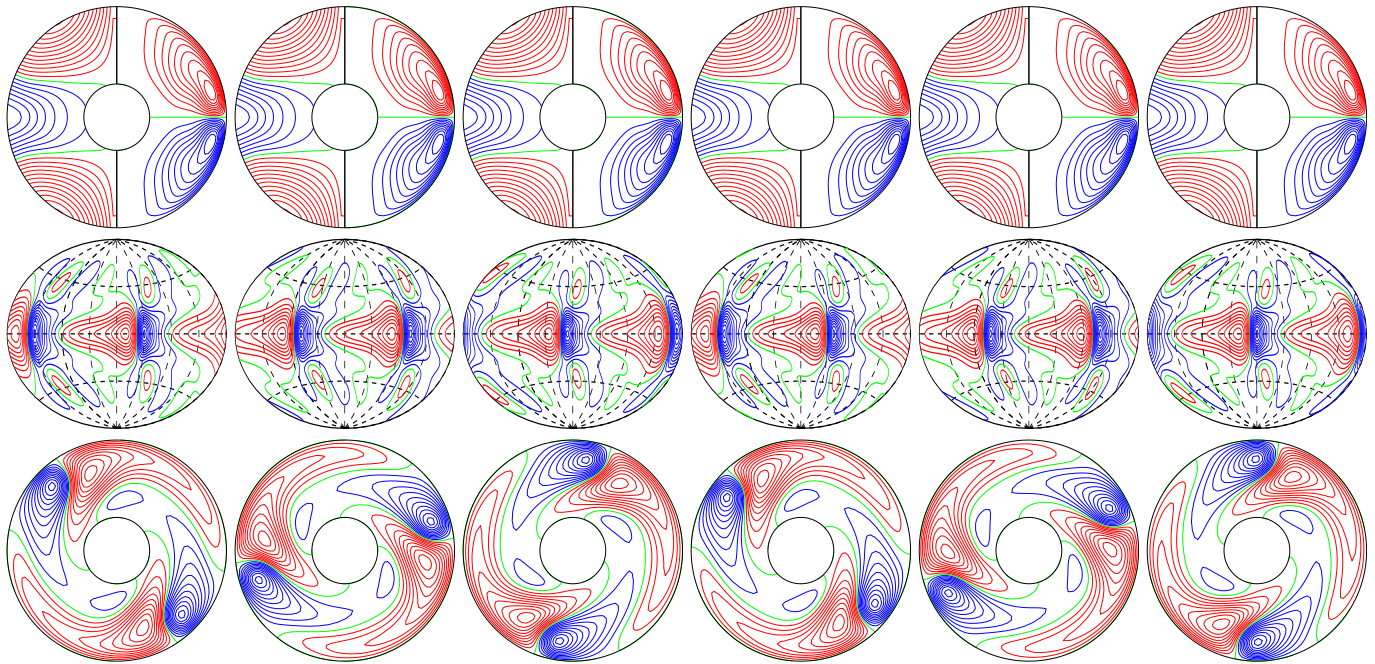


Nusselt Number

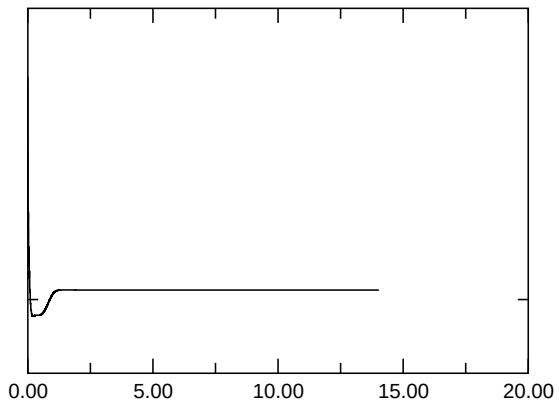


a.e03p1t03r-50000m1n2N2z4.8e4Ya.11
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

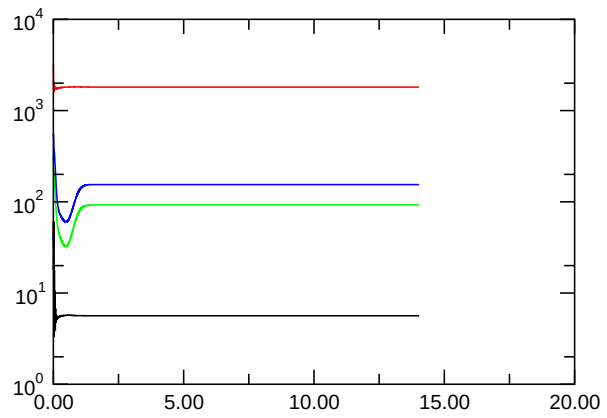
May 17, 2016



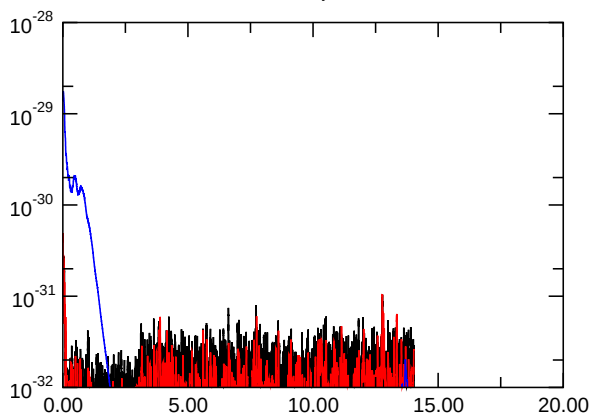
a.e03p1t03r-50000m1n2N2z4.8e4Ya
 E_{kin}



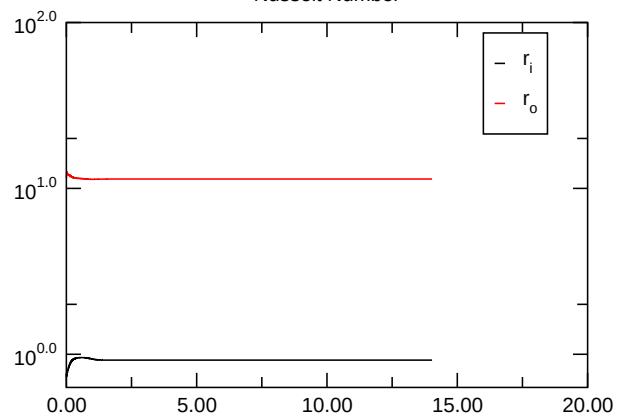
$E_{\text{kin, symm.}}$



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



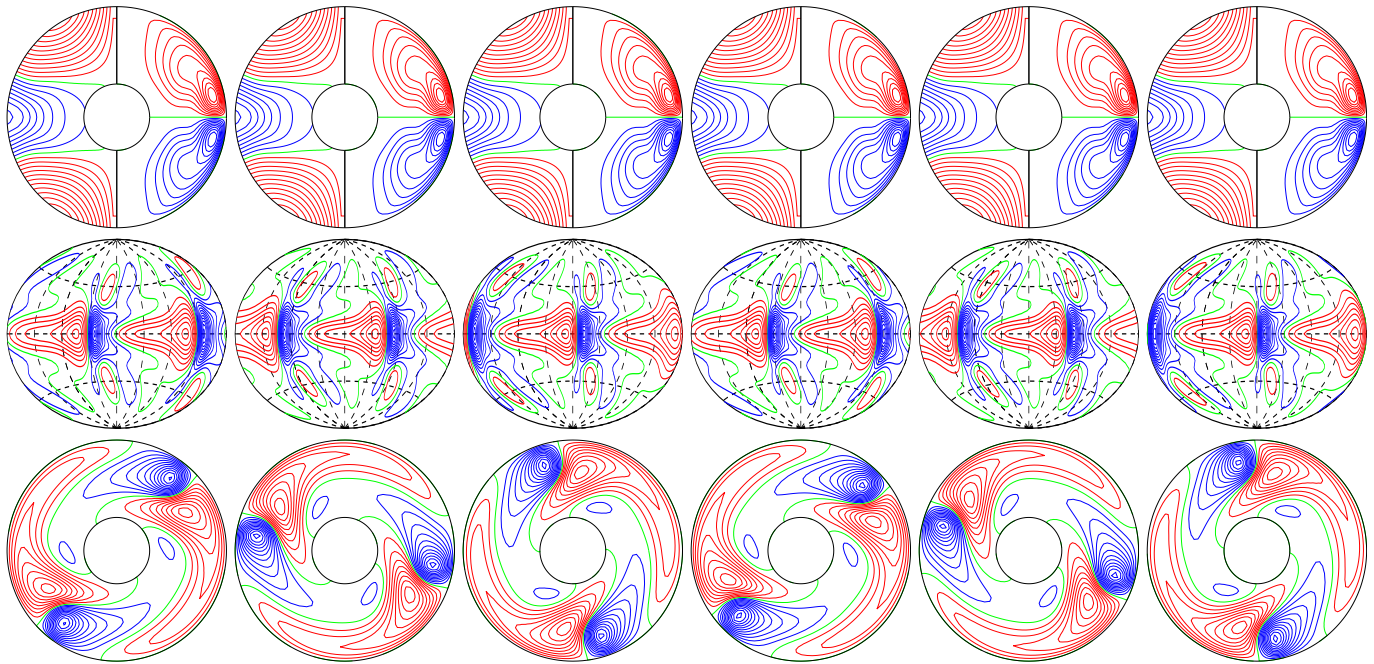
Nusselt Number



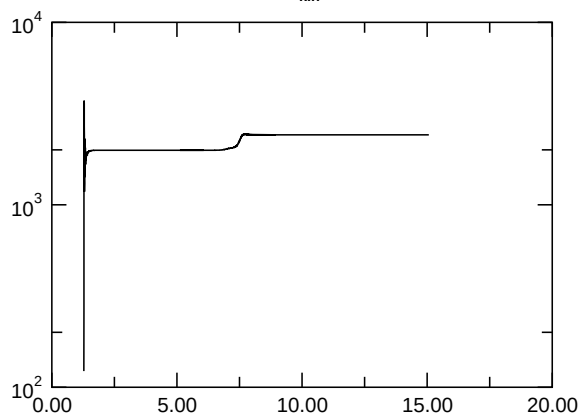
a.e03p1t03r-50000m1n2N2z5.0e4Y.11

May 17, 2016

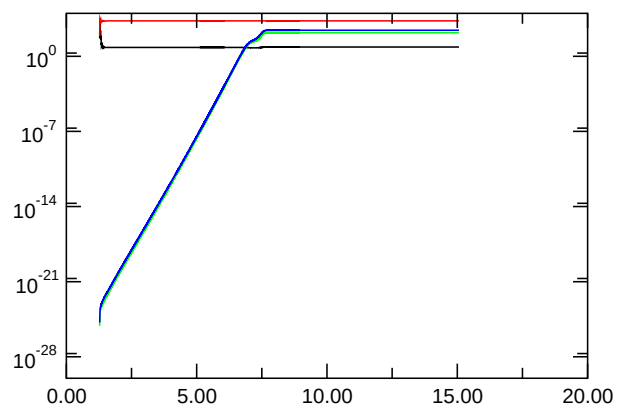
times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001



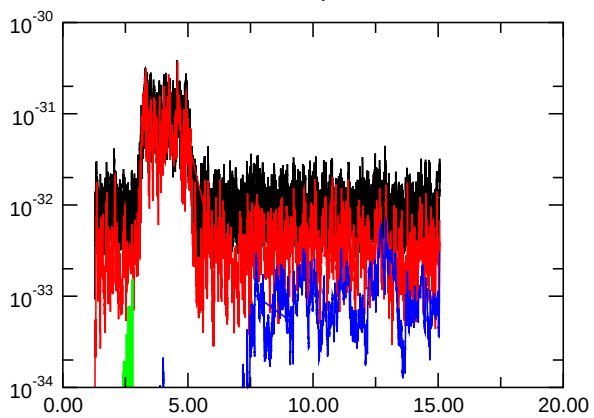
a.e03p1t03r-50000m1n2N2z5.0e4Y
 E_{kin}



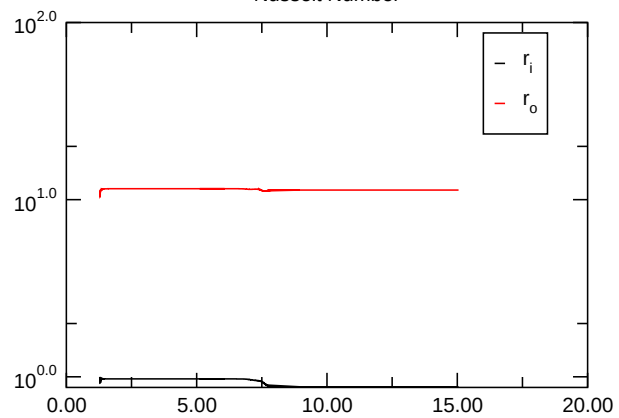
$E_{\text{kin,symm.}}$



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



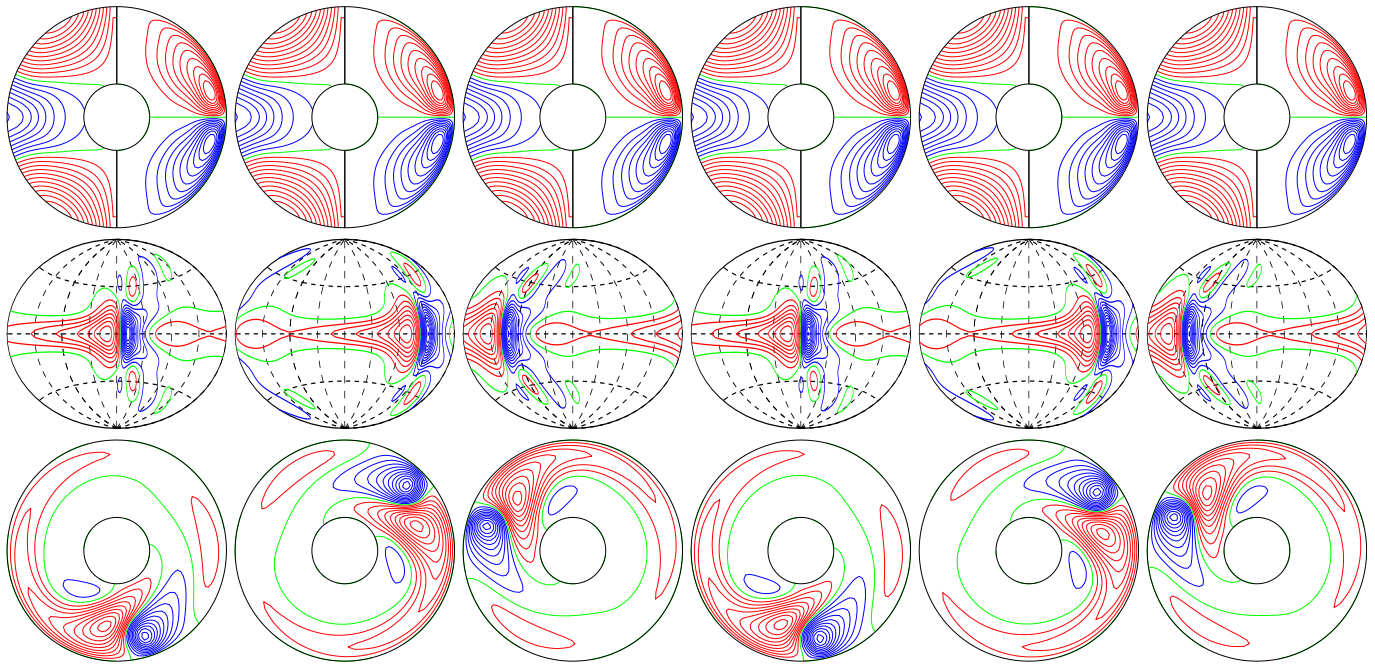
Nusselt Number



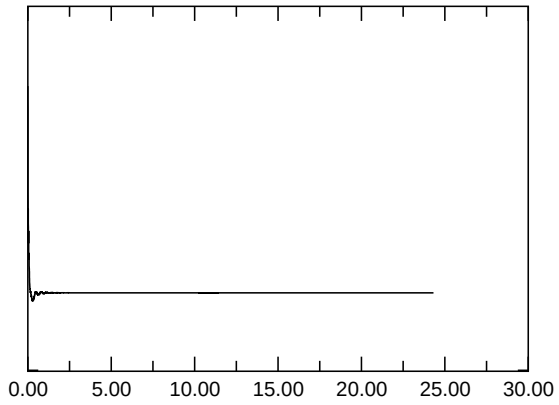
a.e03p1t03r-50000m1n2N2z5.2e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

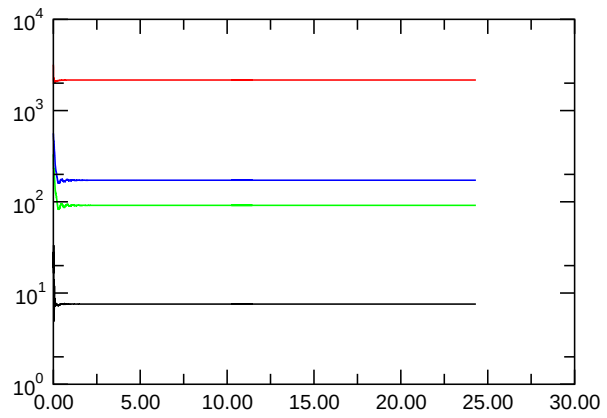
May 17, 2016



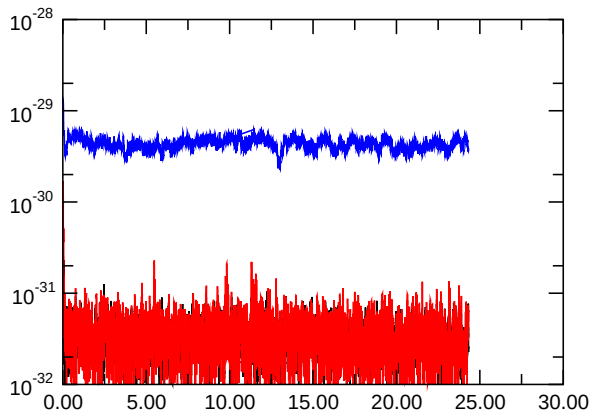
a.e03p1t03r-50000m1n2N2z5.2e4Ya
 E_{kin}



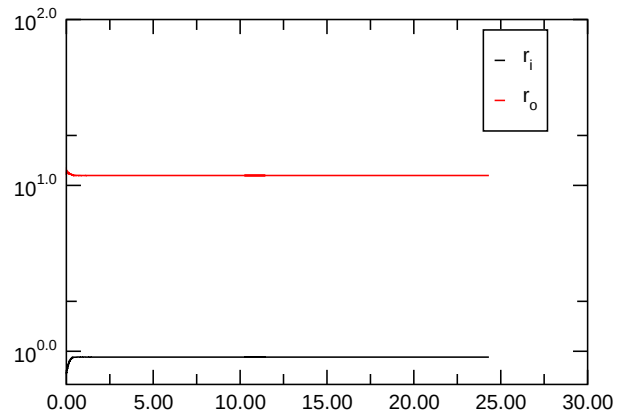
$E_{\text{kin,symm.}}$



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



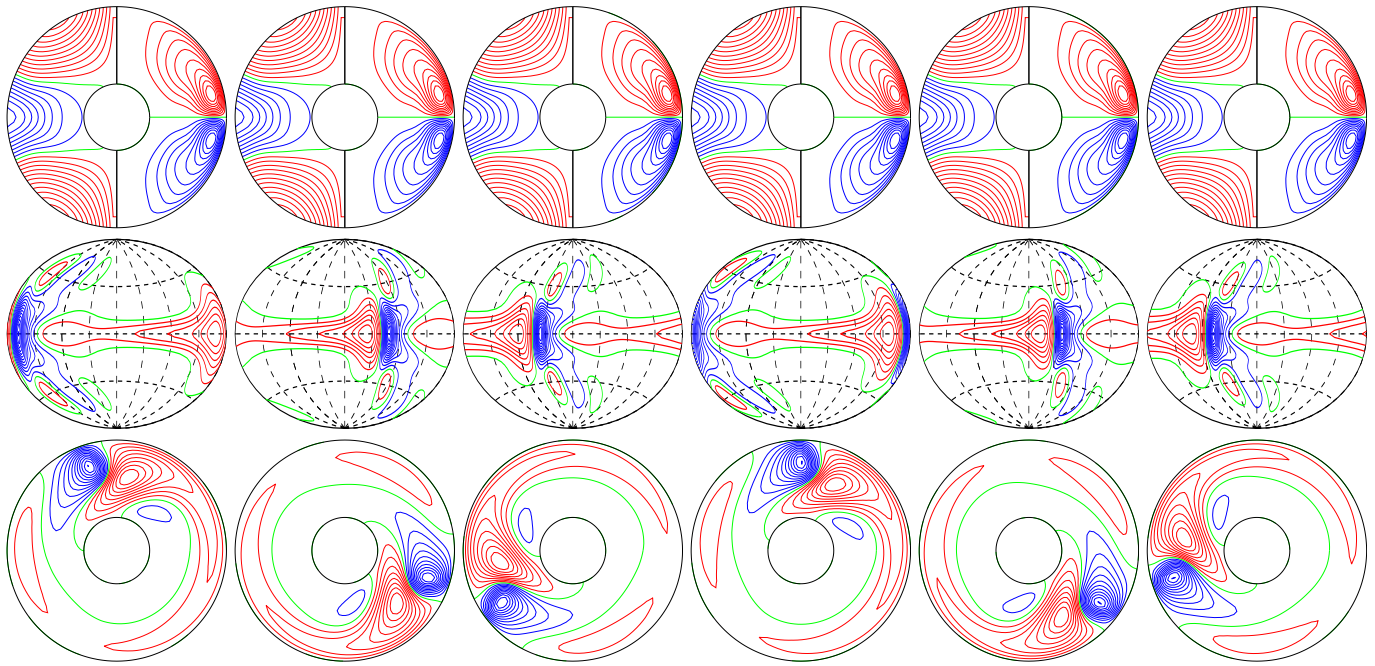
Nusselt Number



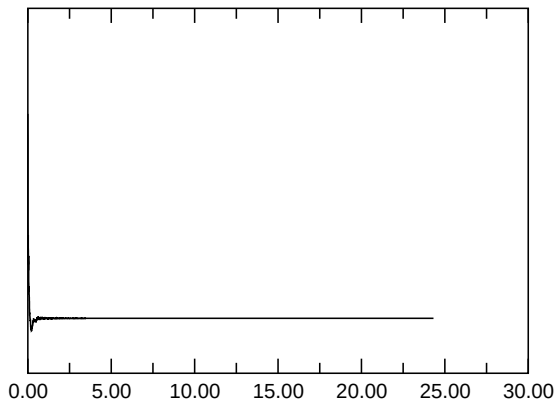
a.e03p1t03r-50000m1n2N2z5.4e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

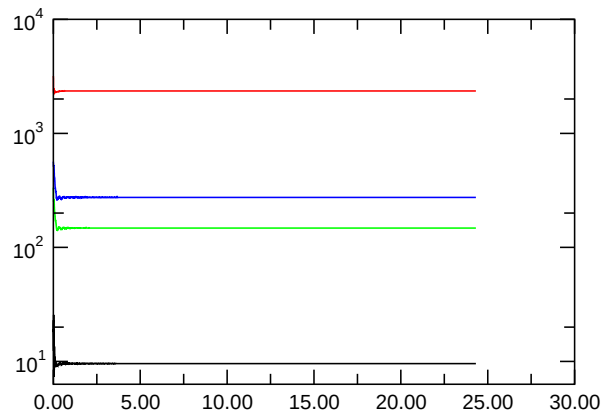
May 17, 2016



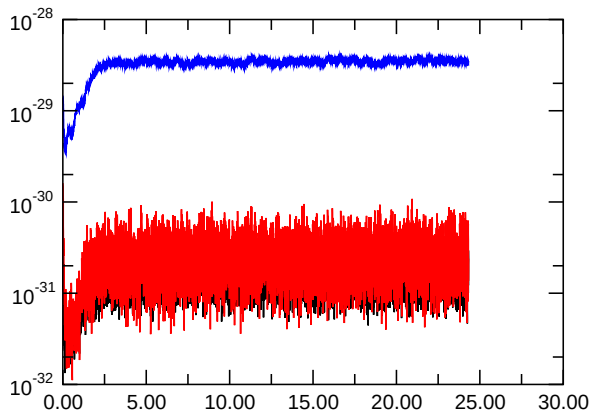
a.e03p1t03r-50000m1n2N2z5.4e4Ya
 E_{kin}



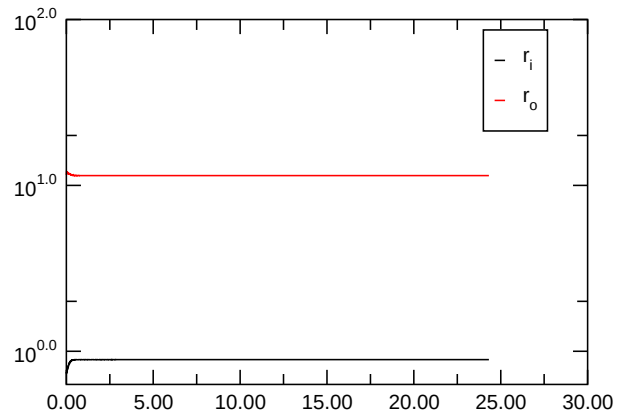
$E_{\text{kin,symm.}}$



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



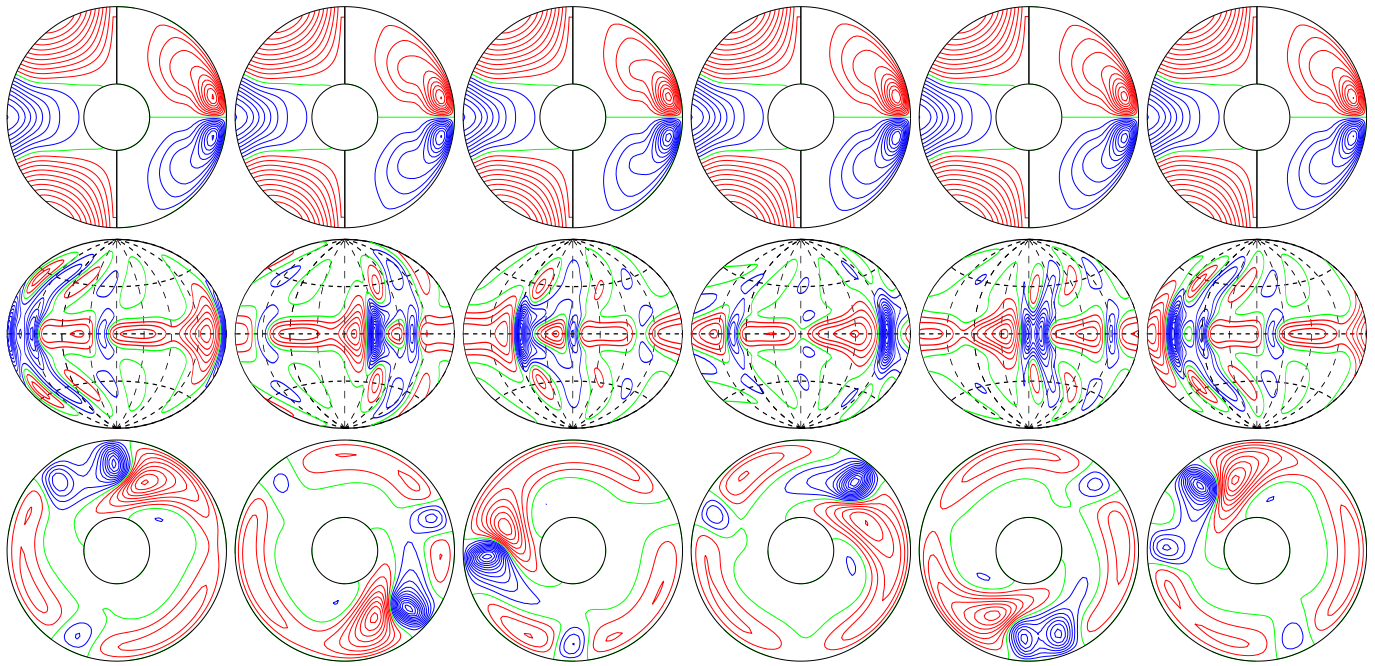
Nusselt Number



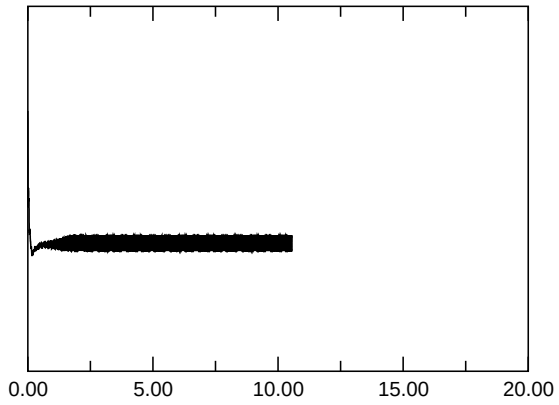
a.e03p1t03r-50000m1n2N2z5.6e4Ya.9

times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

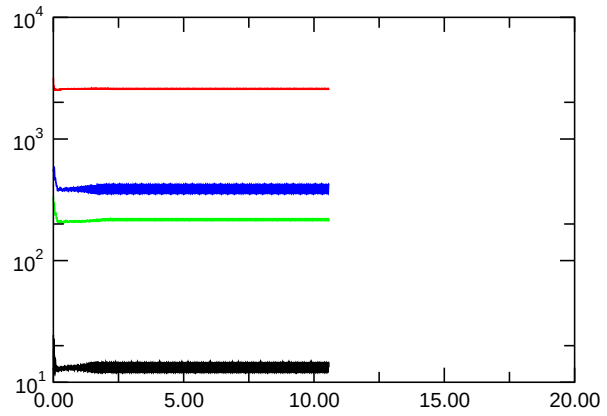
May 17, 2016



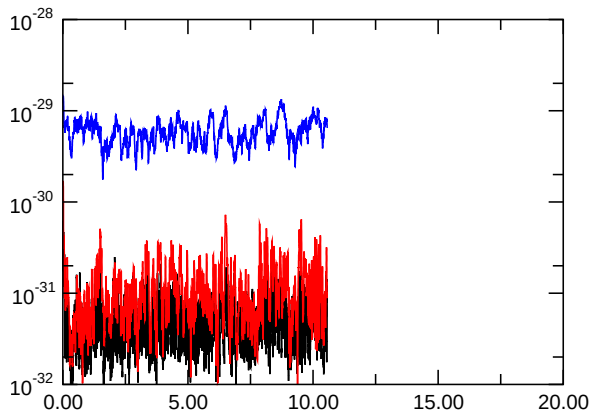
a.e03p1t03r-50000m1n2N2z5.6e4Ya
 E_{kin}



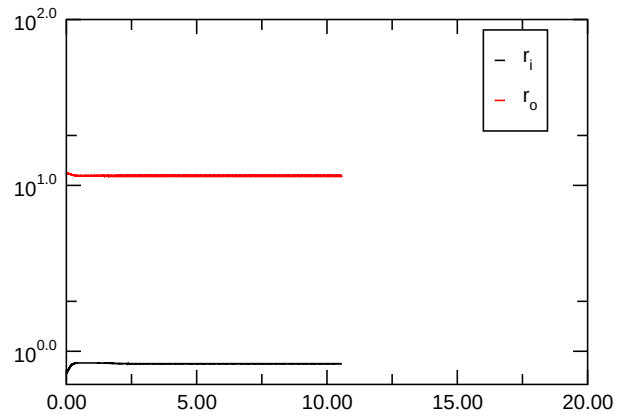
$E_{\text{kin,symm.}}$



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

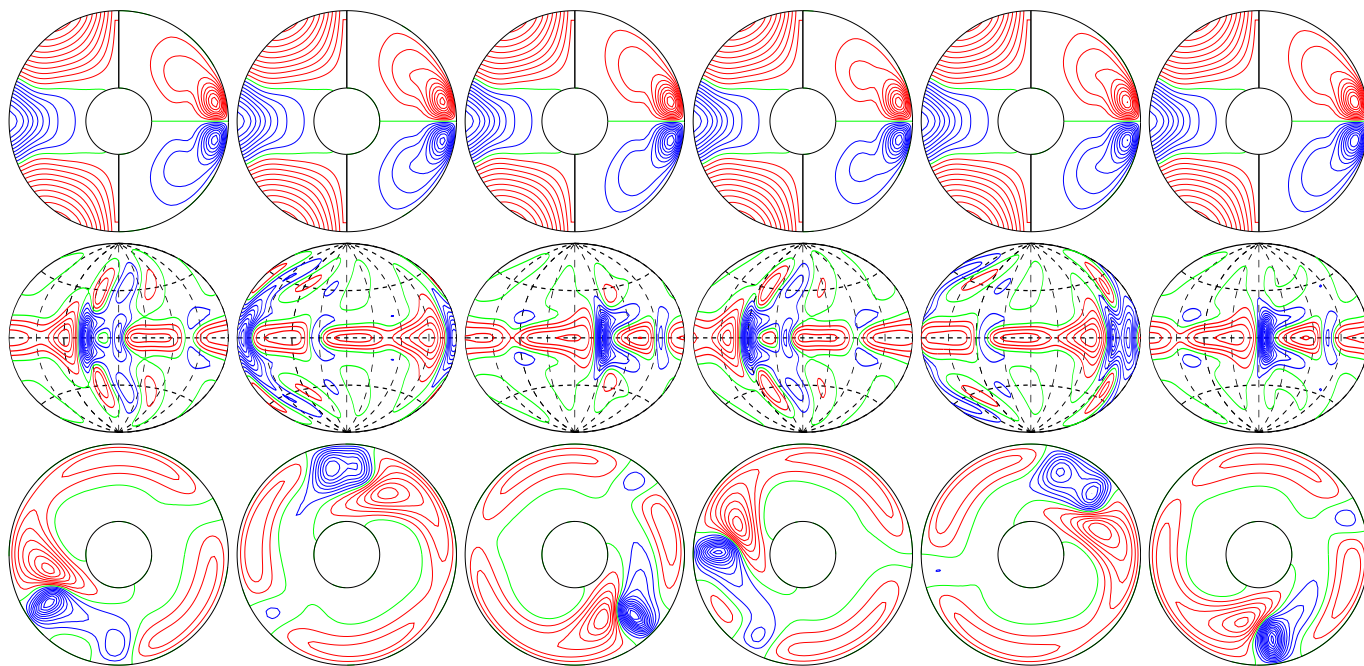


Nusselt Number

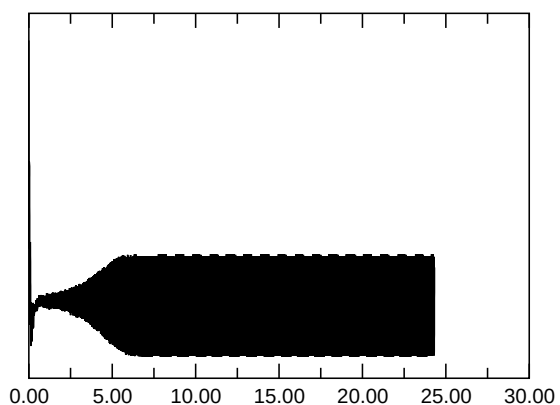


a.e03p1t03r-50000m1n2N2z5.8e4Ya.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

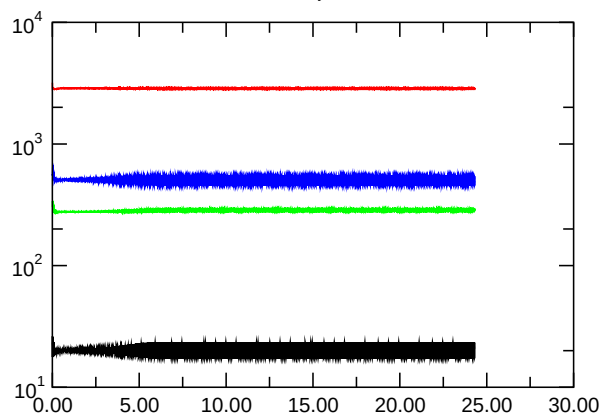
May 17, 2016



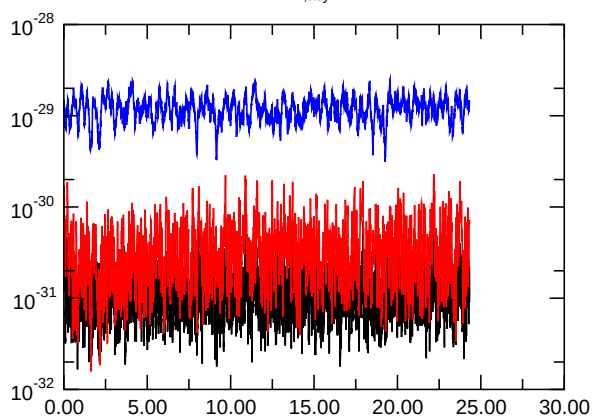
a.e03p1t03r-50000m1n2N2z5.8e4Ya
 E_{kin}



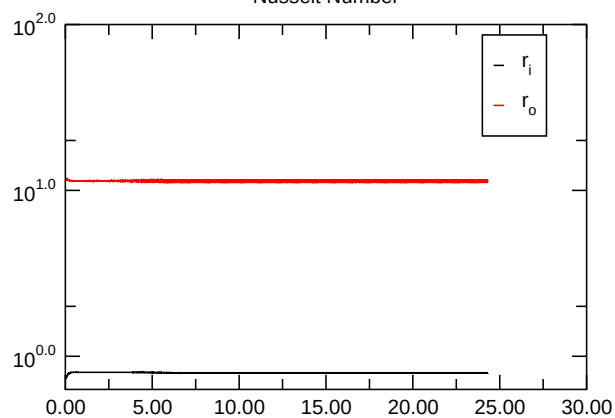
$E_{kin,symm.}$



$E_{kin,asymm.}$



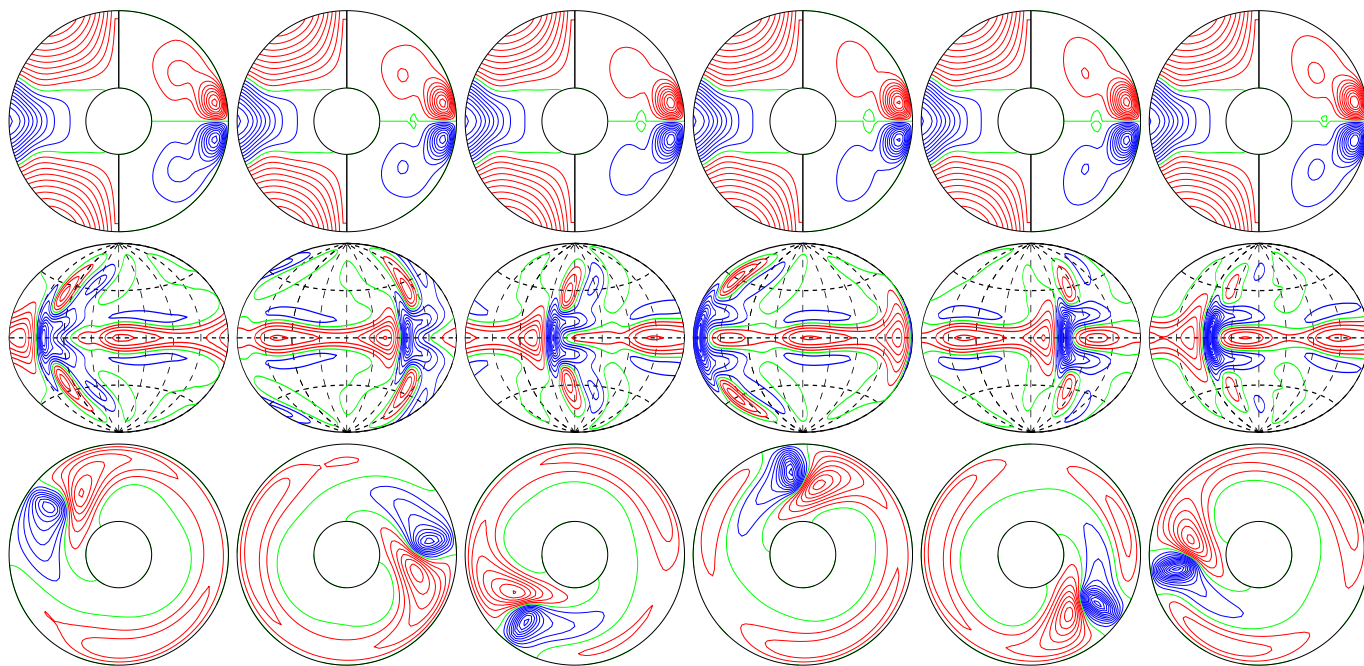
Nusselt Number



a.e03p1t03r-50000m1n2N2z6.0e4Y.20

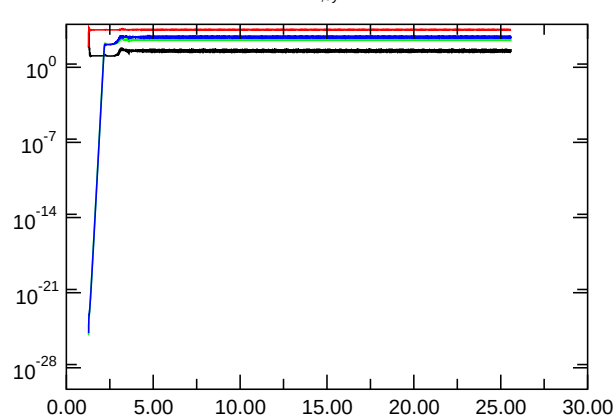
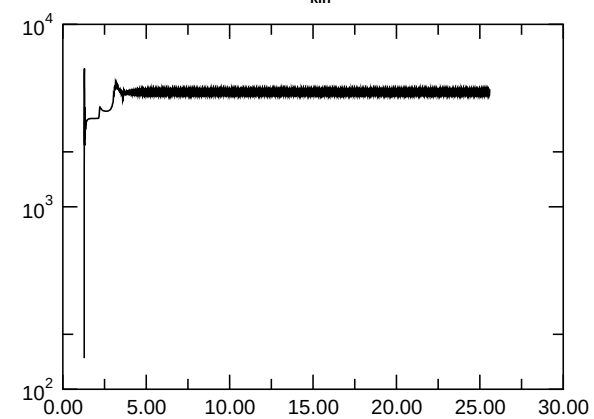
May 17, 2016

times: 19.20001 20.48001 21.76001 23.04001 24.32001 25.60001



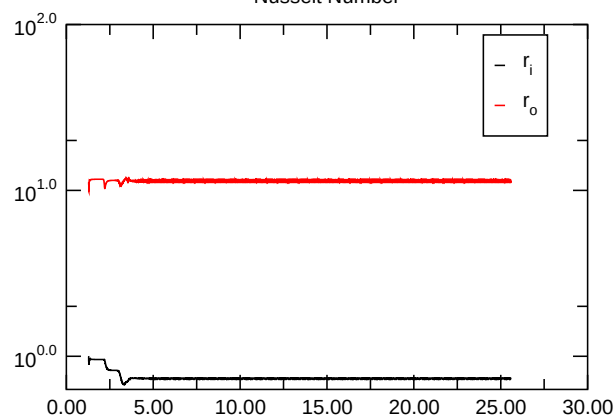
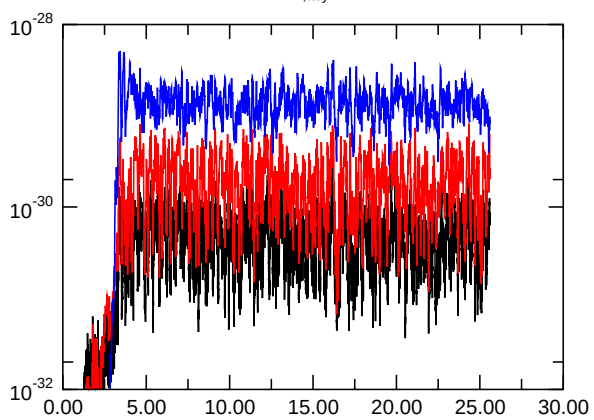
a.e03p1t03r-50000m1n2N2z6.0e4Y
 E_{kin}

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



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

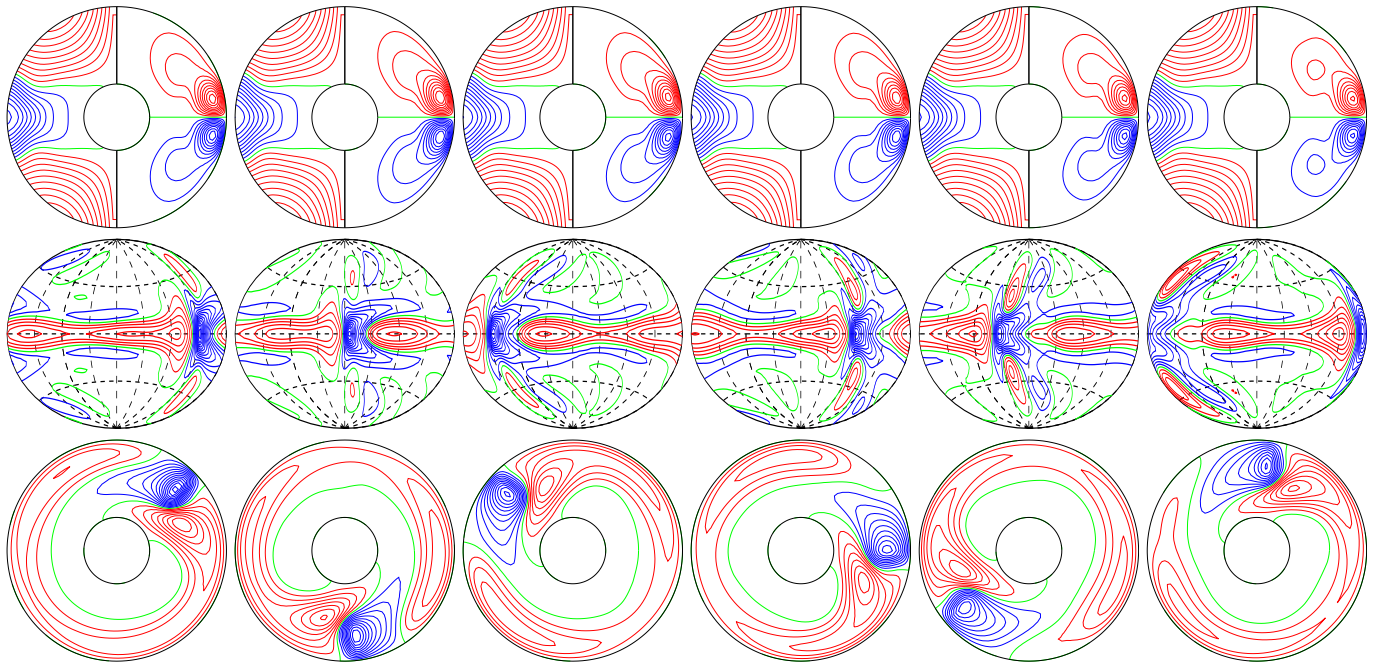
Nusselt Number



a.e03p1t03r-50000m1n2N2z6.0e4Ya.9

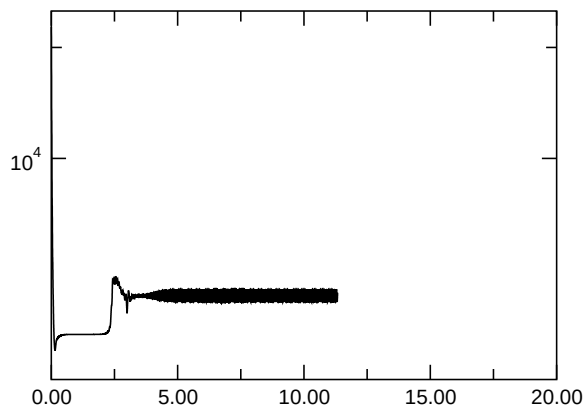
times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

May 17, 2016

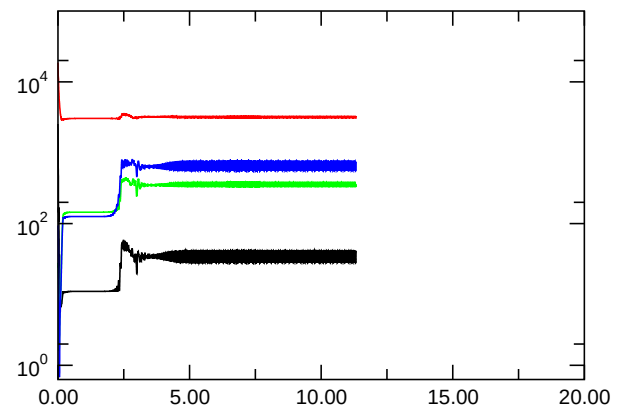


a.e03p1t03r-50000m1n2N2z6.0e4Ya

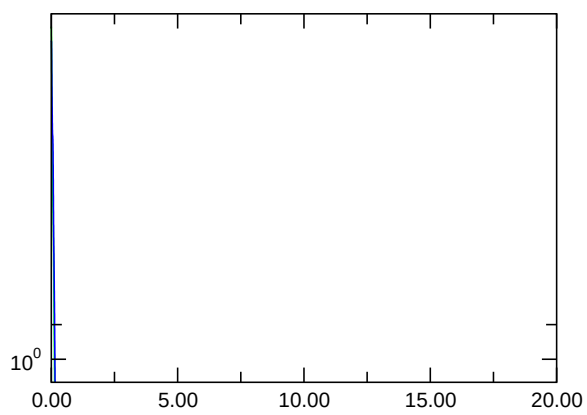
E_{kin}



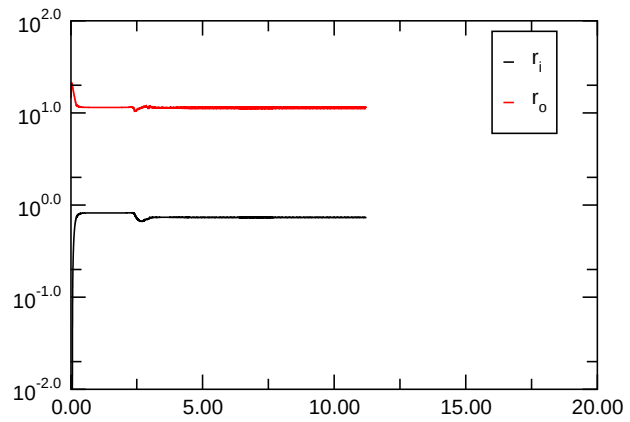
$E_{\text{kin,symm.}}$



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



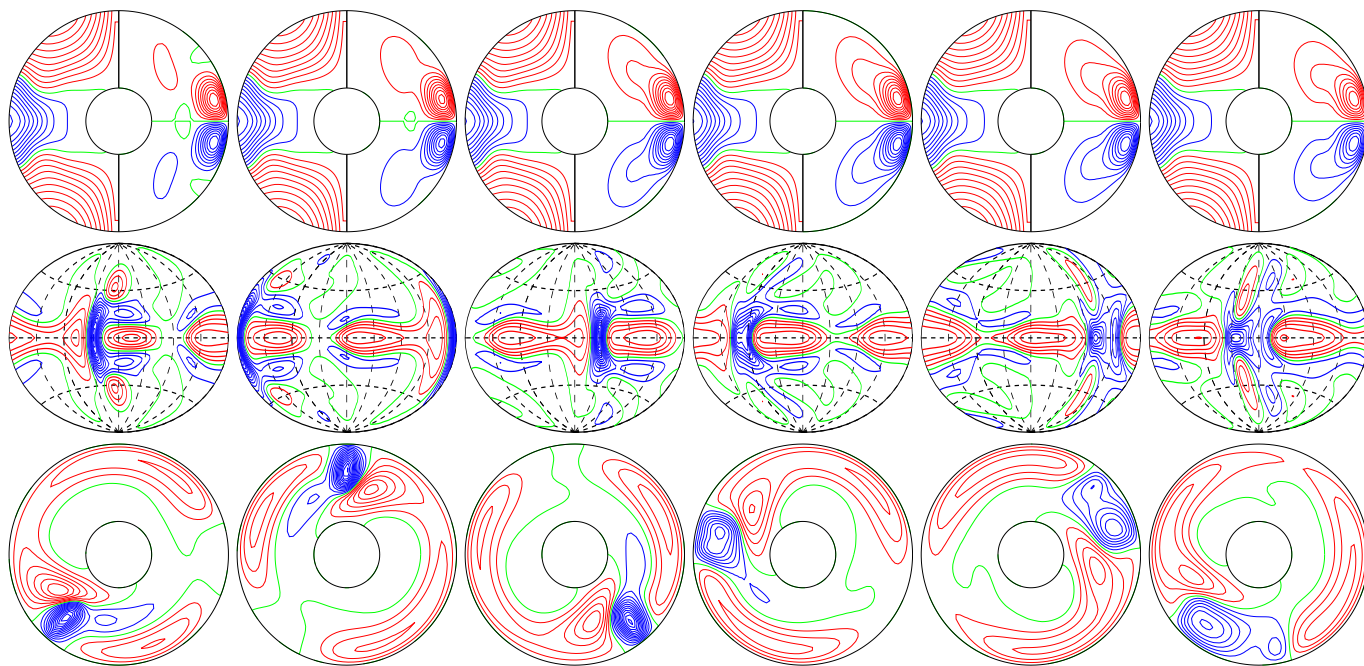
Nusselt Number



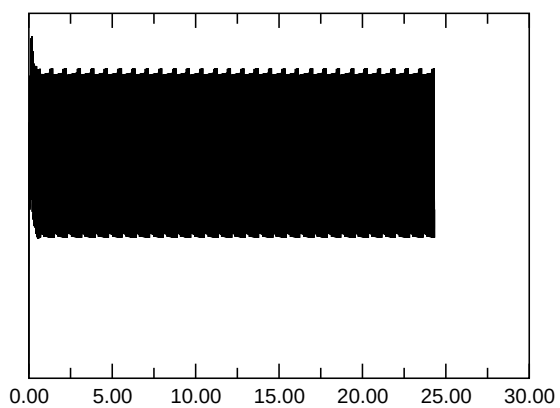
a.e03p1t03r-50000m1n2N2z6.2e4Yb.20

May 17, 2016

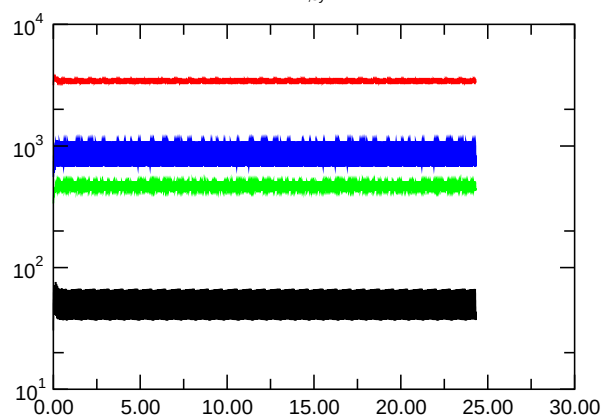
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001



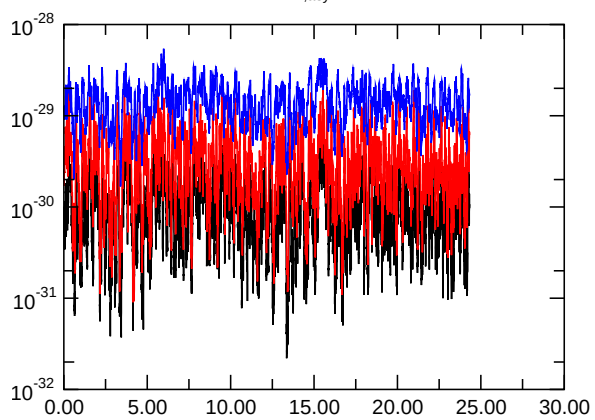
a.e03p1t03r-50000m1n2N2z6.2e4Yb
 E_{kin}



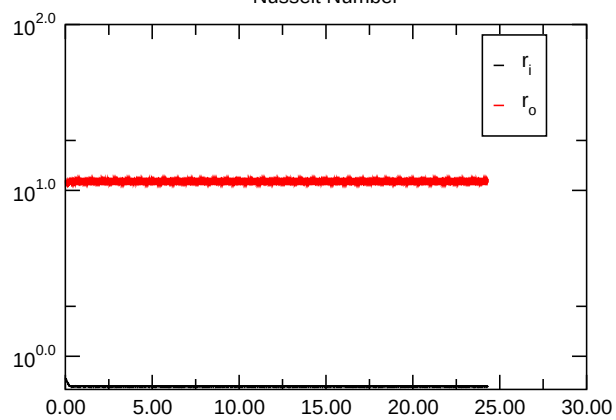
$E_{\text{kin,symm.}}$



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

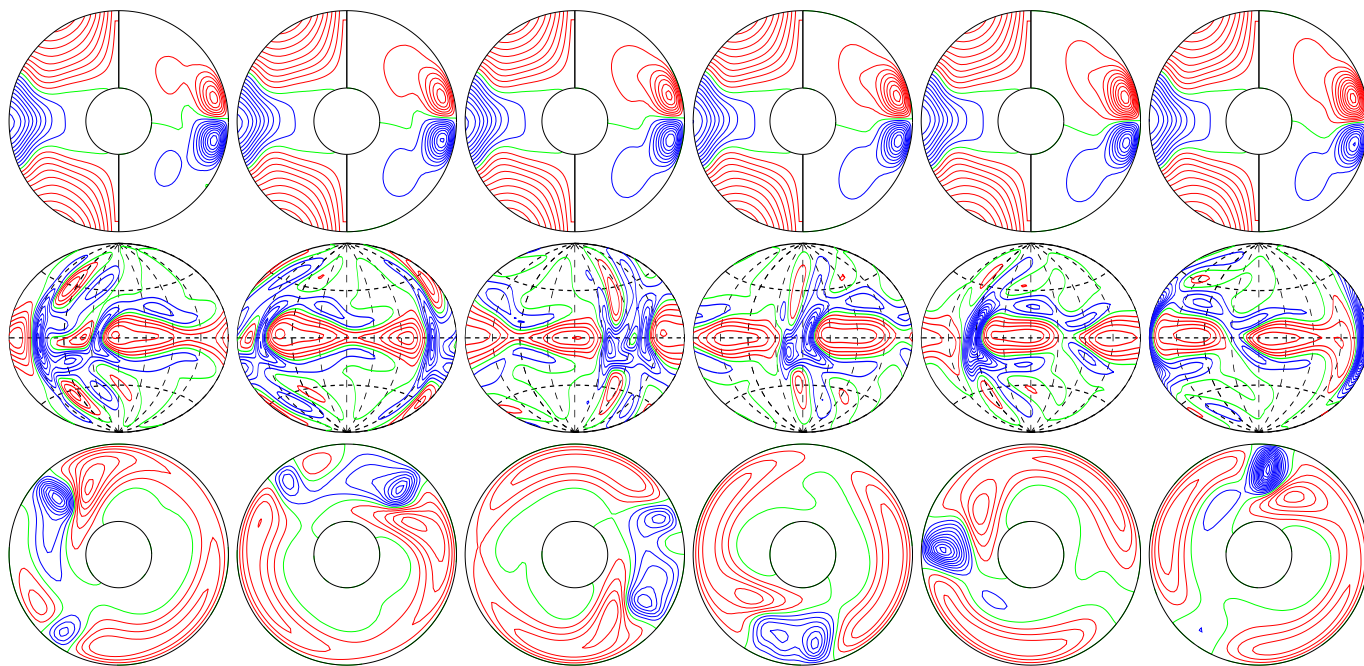


Nusselt Number

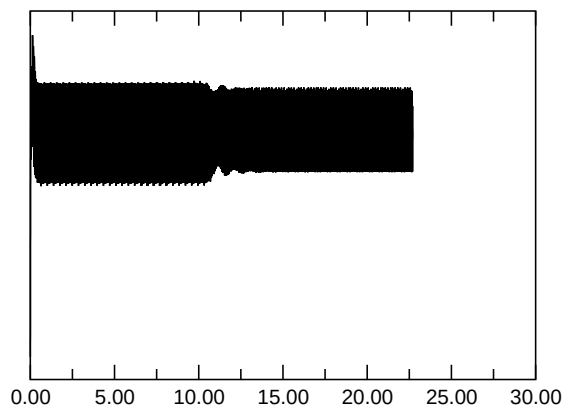


a.e03p1t03r-50000m1n2N2z6.4e4Yb.18
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

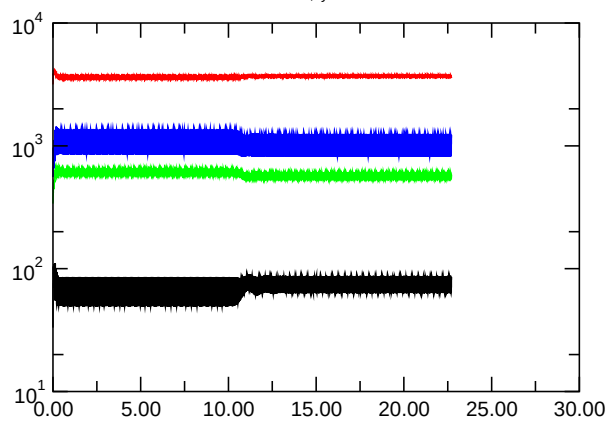
May 17, 2016



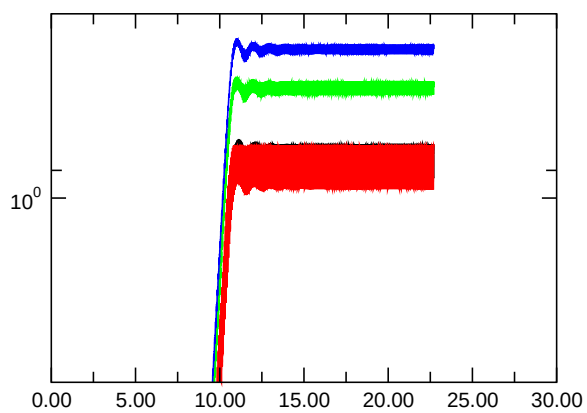
a.e03p1t03r-50000m1n2N2z6.4e4Yb
 E_{kin}



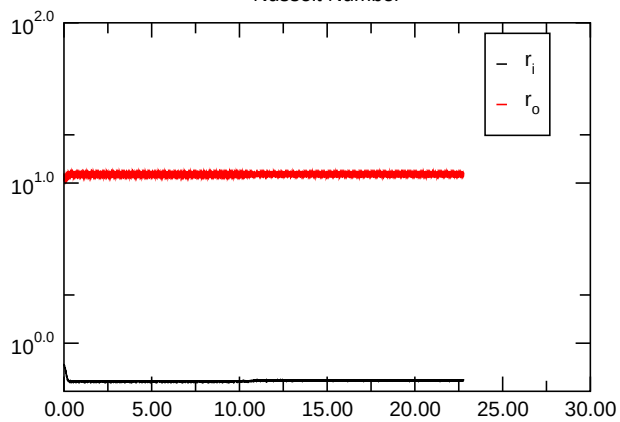
$E_{\text{kin,symm.}}$



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

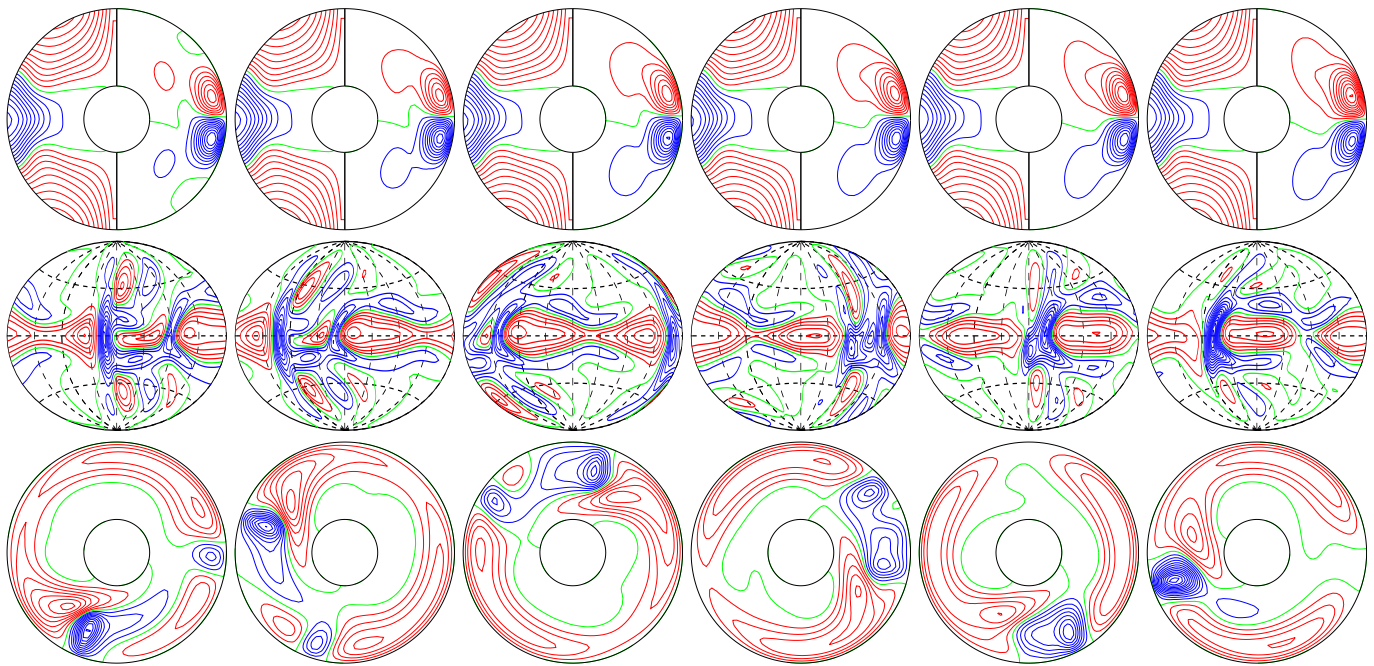


Nusselt Number

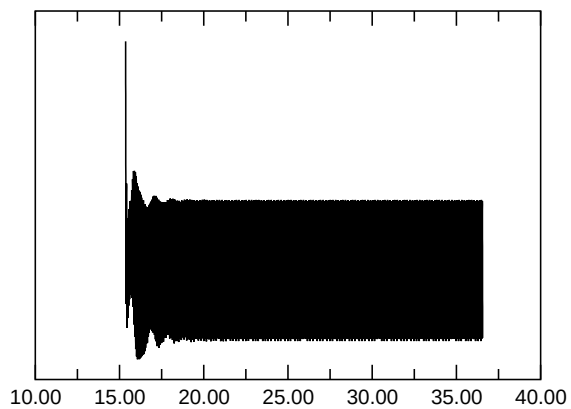


a.e03p1t03r-50000m1n2N2z6.4e4Ya.17
times: 29.44001 30.72001 32.00001 33.28001 34.56001 35.84001

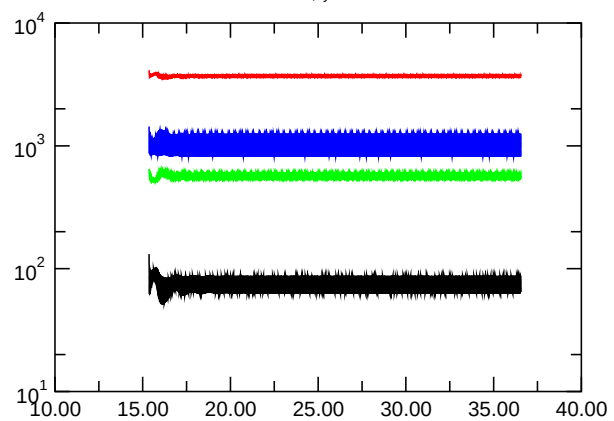
May 17, 2016



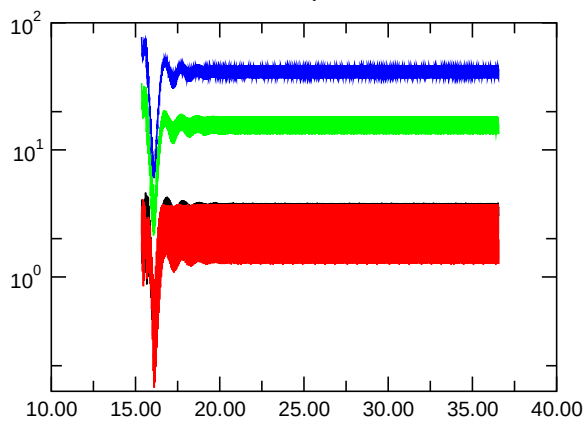
a.e03p1t03r-50000m1n2N2z6.4e4Ya
 E_{kin}



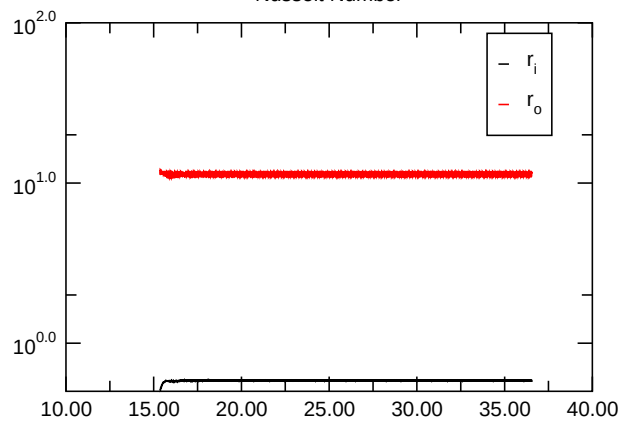
$E_{\text{kin,symm.}}$



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

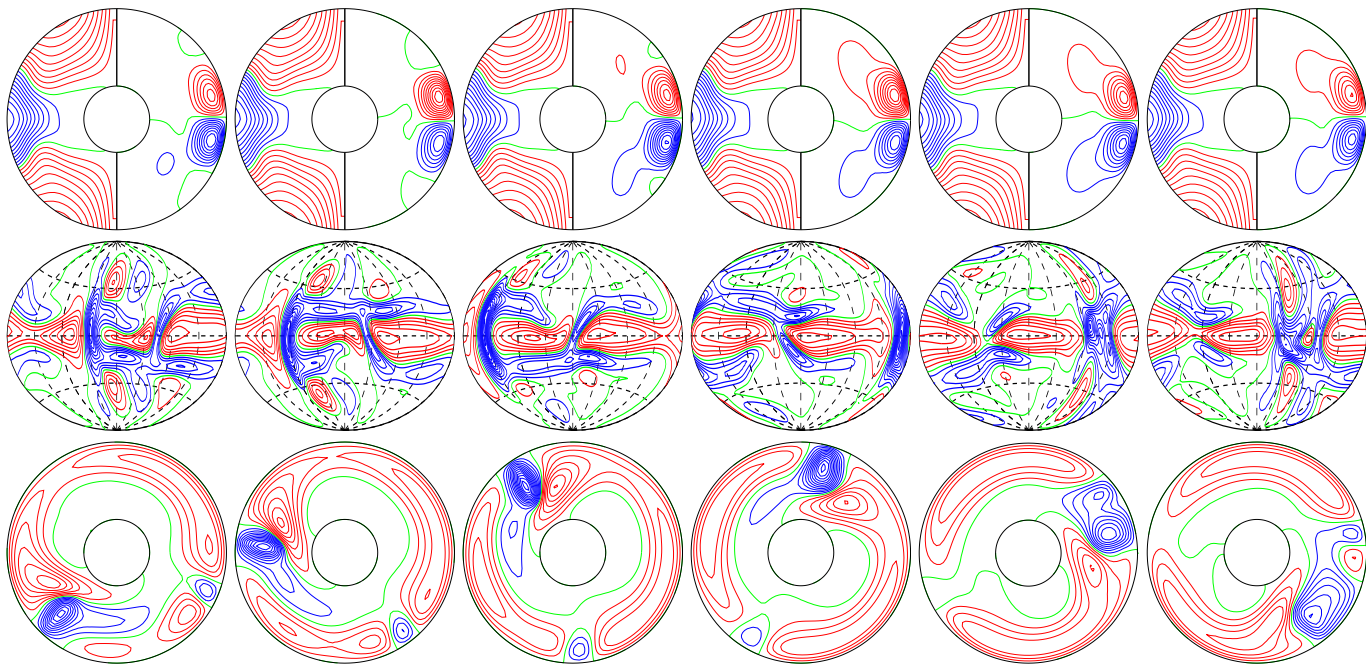


Nusselt Number

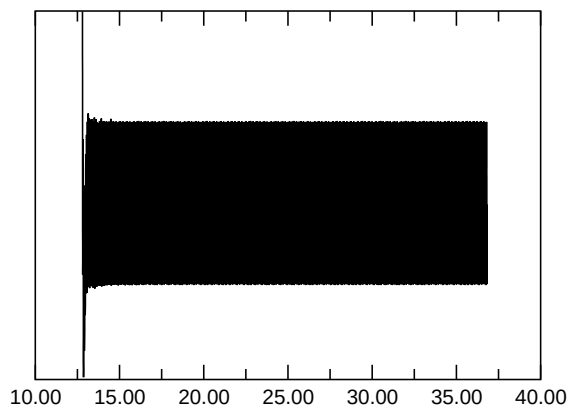


a.e03p1t03r-50000m1n2N2z6.6e4Ya.19
times: 29.44001 30.72001 32.00001 33.28001 34.56001 35.84001

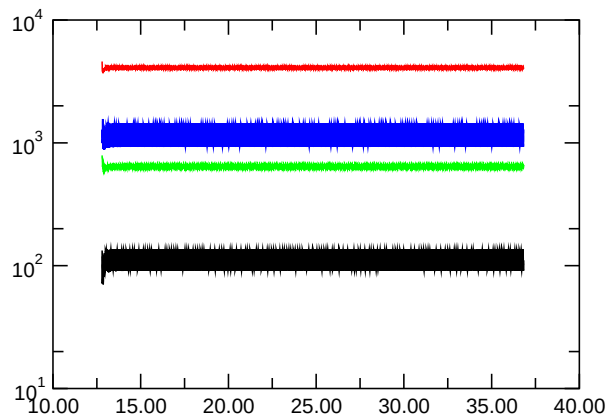
May 17, 2016



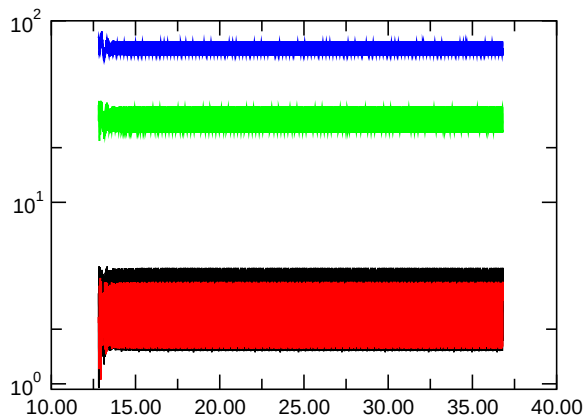
a.e03p1t03r-50000m1n2N2z6.6e4Ya
 E_{kin}



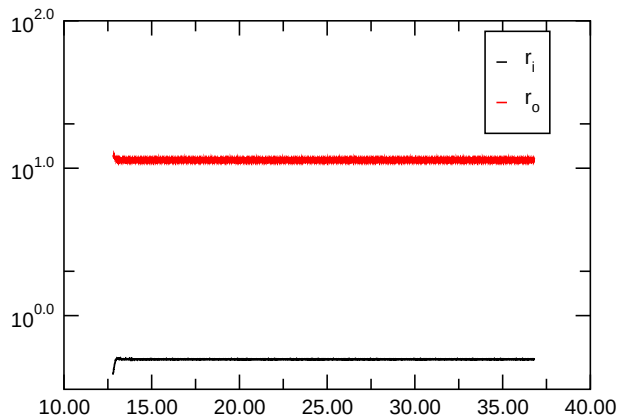
$E_{\text{kin,symm.}}$



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

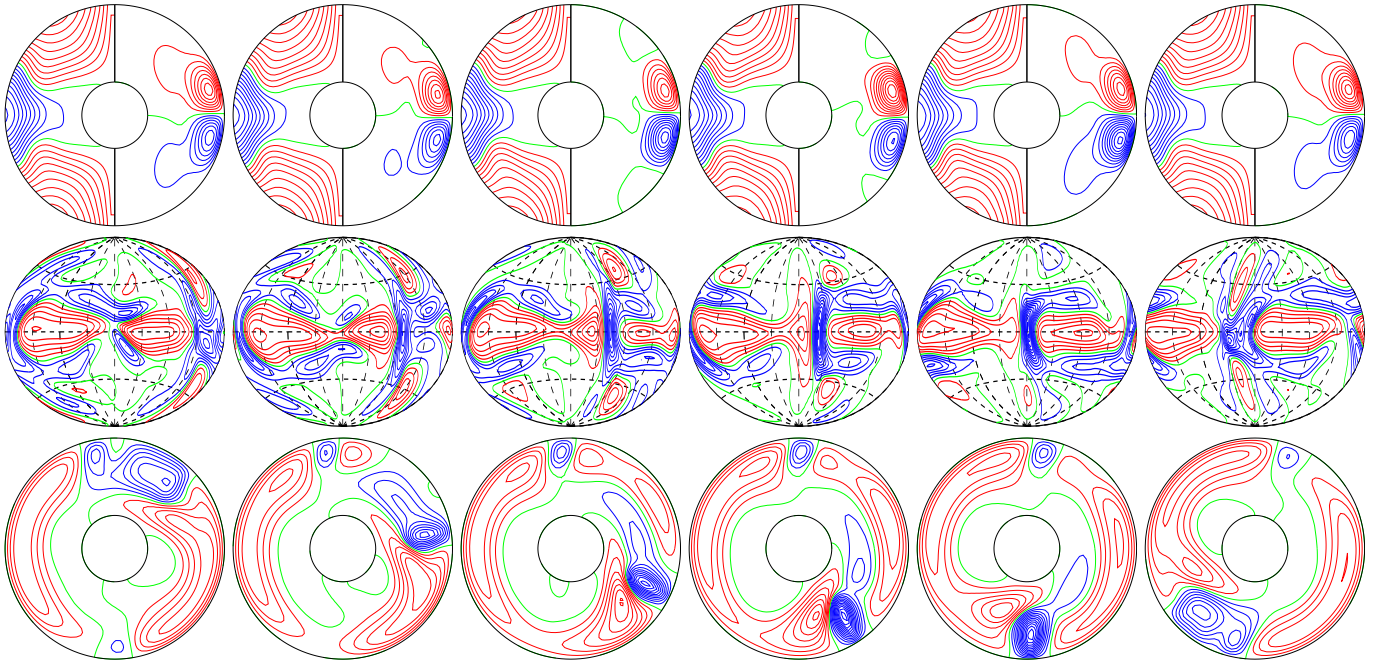


Nusselt Number

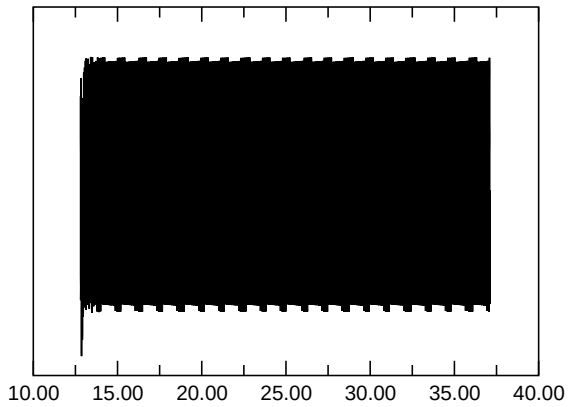


a.e03p1t03r-50000m1n2N2z6.8e4Ya.20
times: 30.72001 32.00001 33.28001 34.56001 35.84001 37.12001

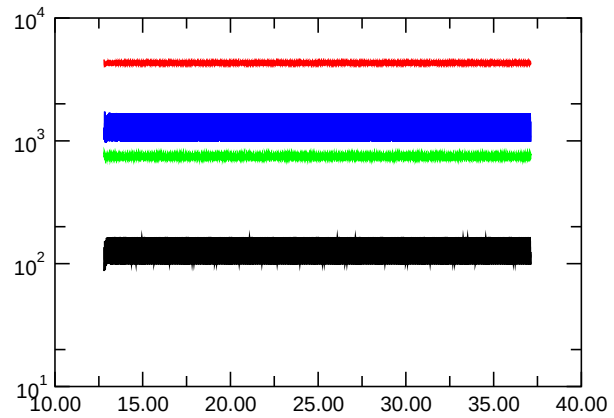
May 17, 2016



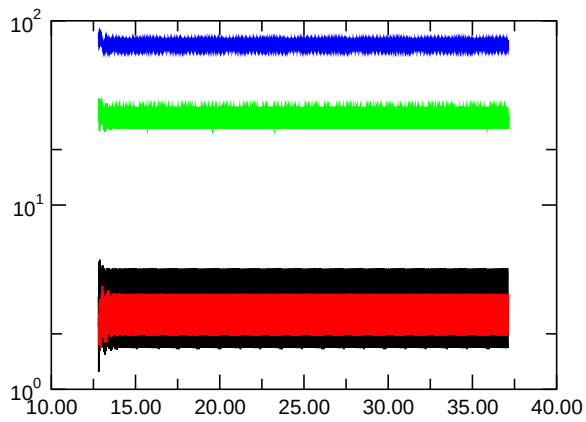
a.e03p1t03r-50000m1n2N2z6.8e4Ya
 E_{kin}



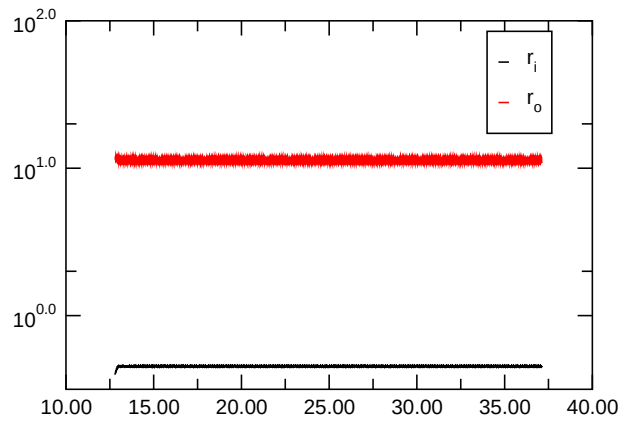
$E_{\text{kin,symm.}}$



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

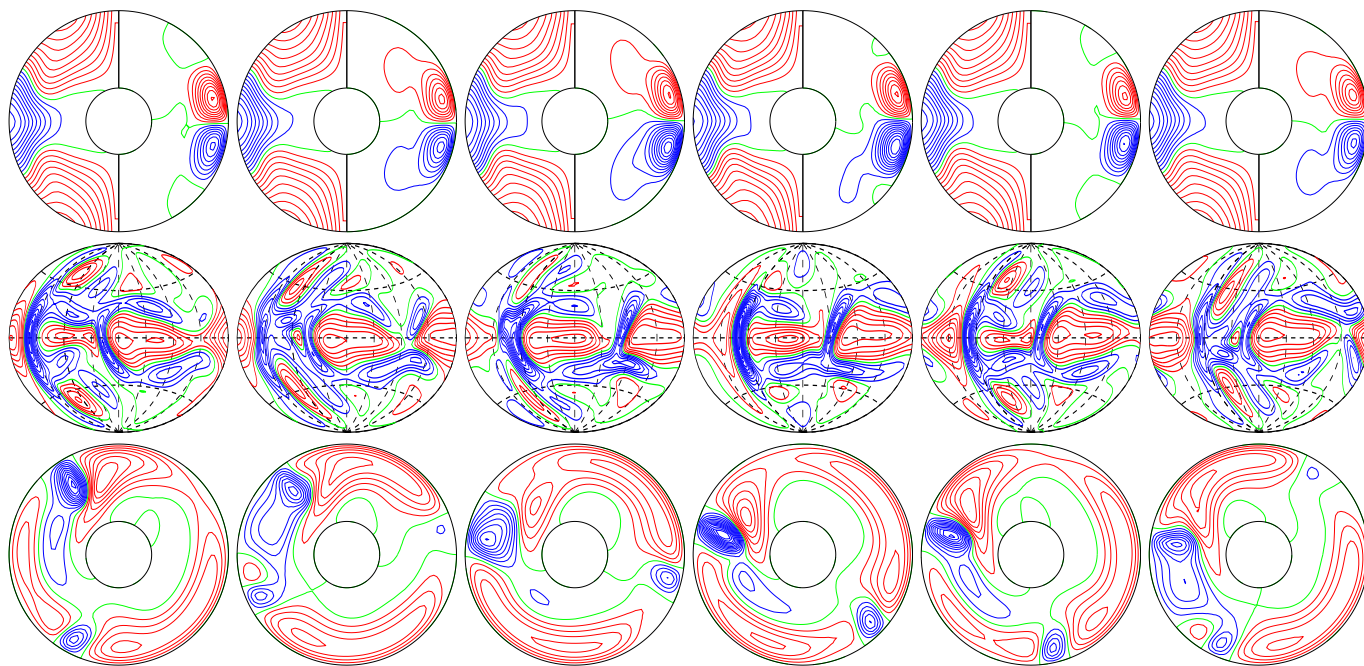


Nusselt Number

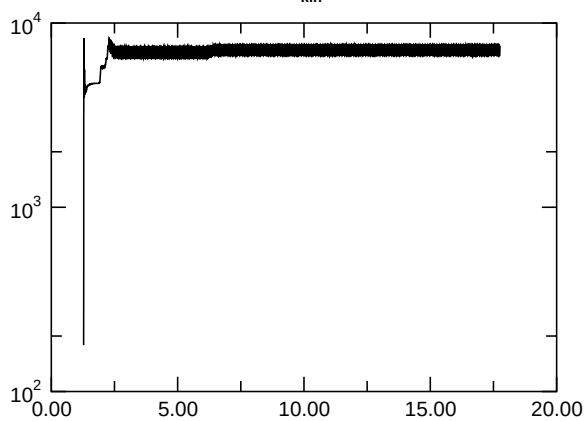


a.e03p1t03r-50000m1n2N2z7.0e4Y.30
times: 16.79697 16.81005 16.82313 16.83621 16.84929 16.86237

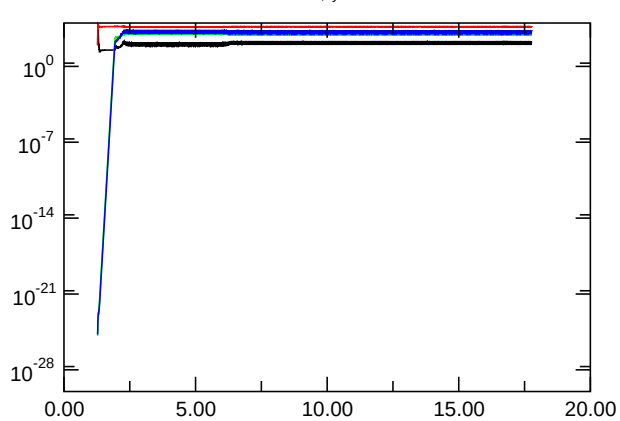
May 17, 2016



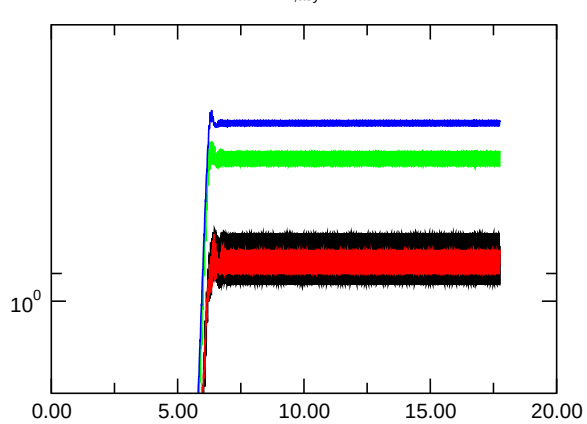
a.e03p1t03r-50000m1n2N2z7.0e4Y
 E_{kin}



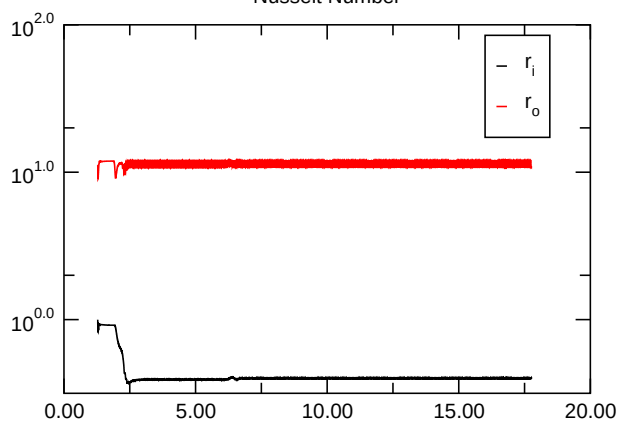
$E_{\text{kin, symm.}}$



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

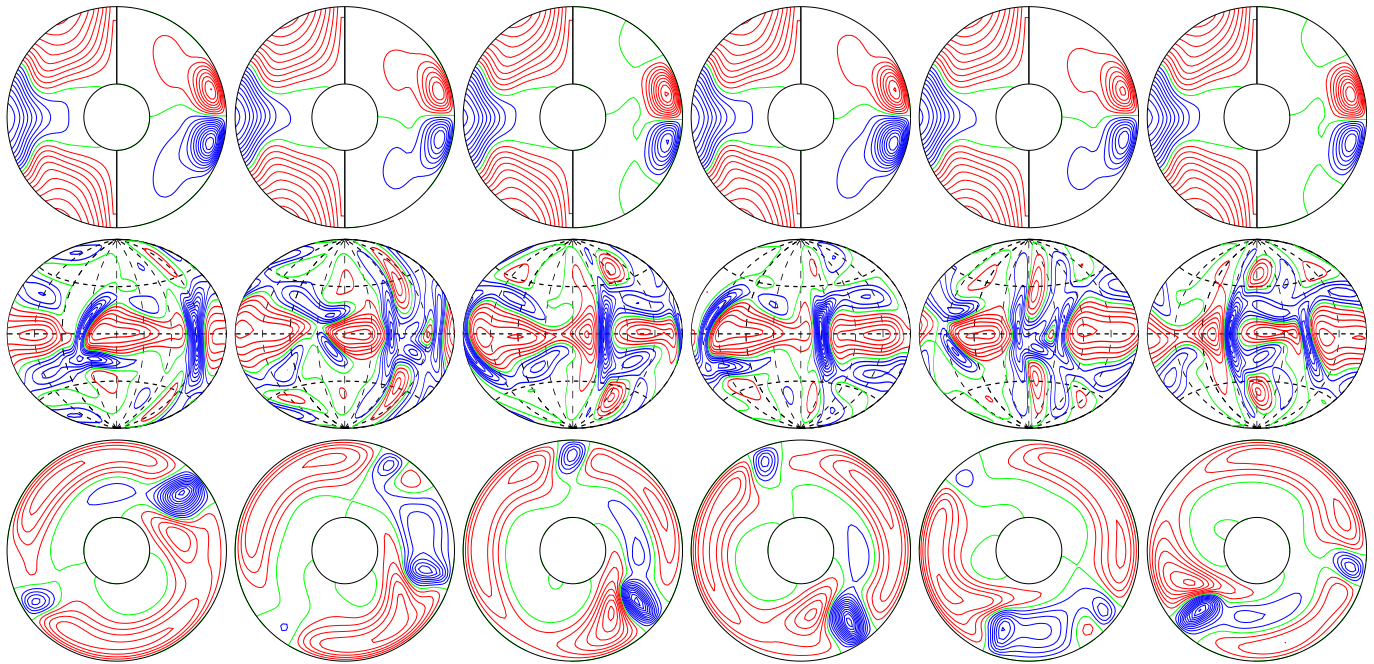


Nusselt Number

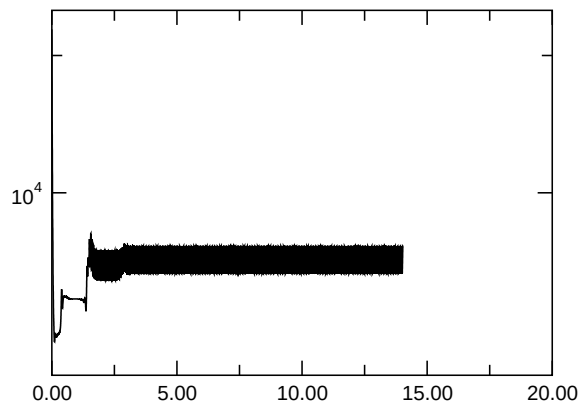


a.e03p1t03r-50000m1n2N2z7.0e4Ya.11
times: 6.400005 7.680006 8.960007 10.24001 11.52001 12.80001

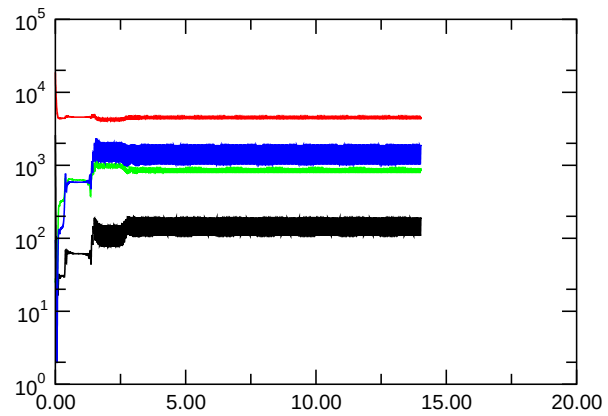
May 17, 2016



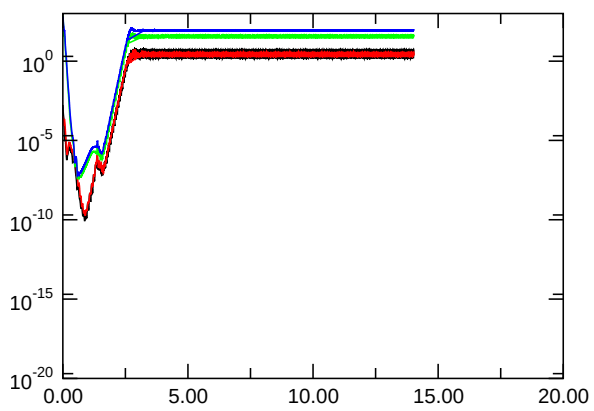
a.e03p1t03r-50000m1n2N2z7.0e4Ya
 E_{kin}



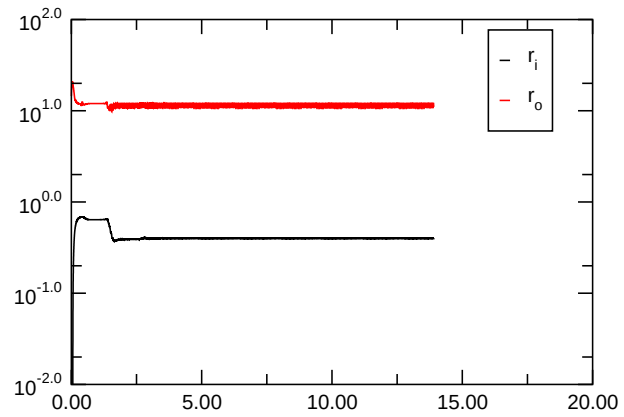
$E_{\text{kin,symm.}}$



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

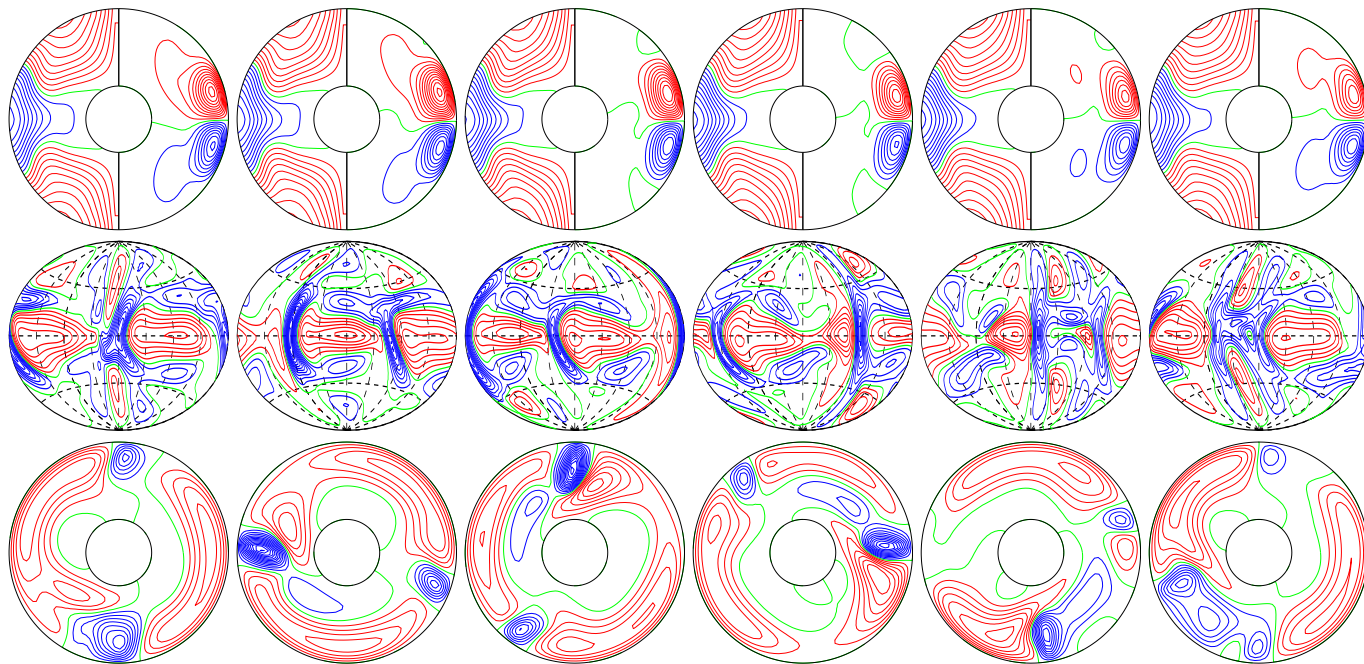


Nusselt Number

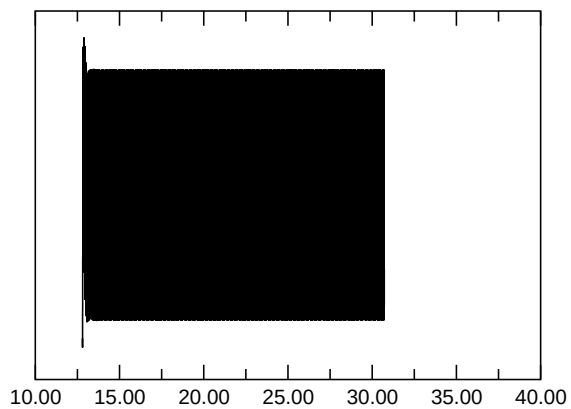


a.e03p1t03r-50000m1n2N2z7.25e4Yb.15
times: 24.32001 25.60001 26.88001 28.16001 29.44001 30.72001

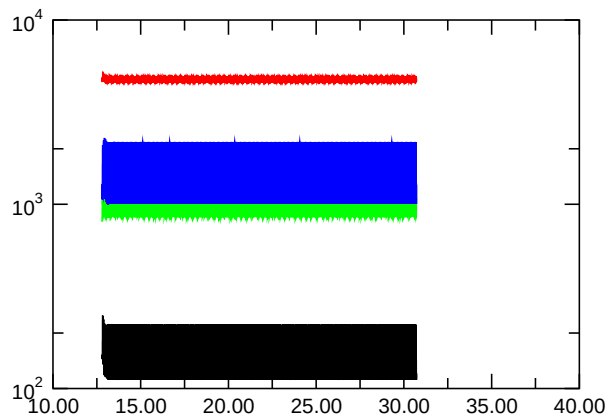
May 17, 2016



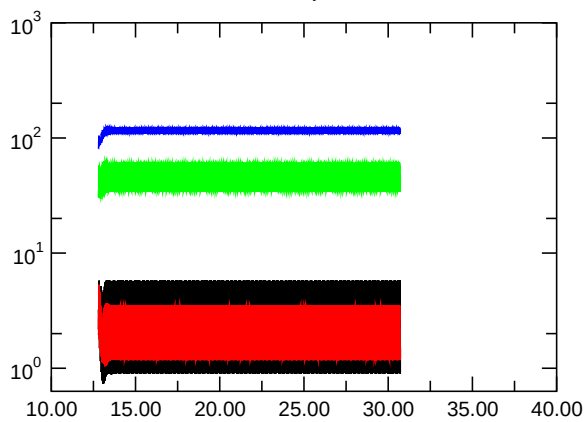
a.e03p1t03r-50000m1n2N2z7.25e4Yb
 E_{kin}



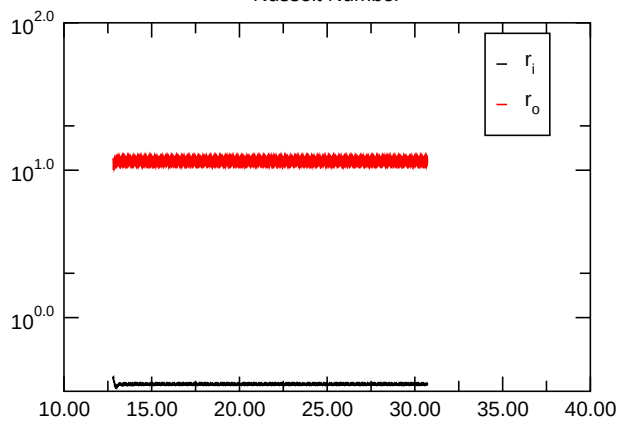
$E_{\text{kin,symm.}}$



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

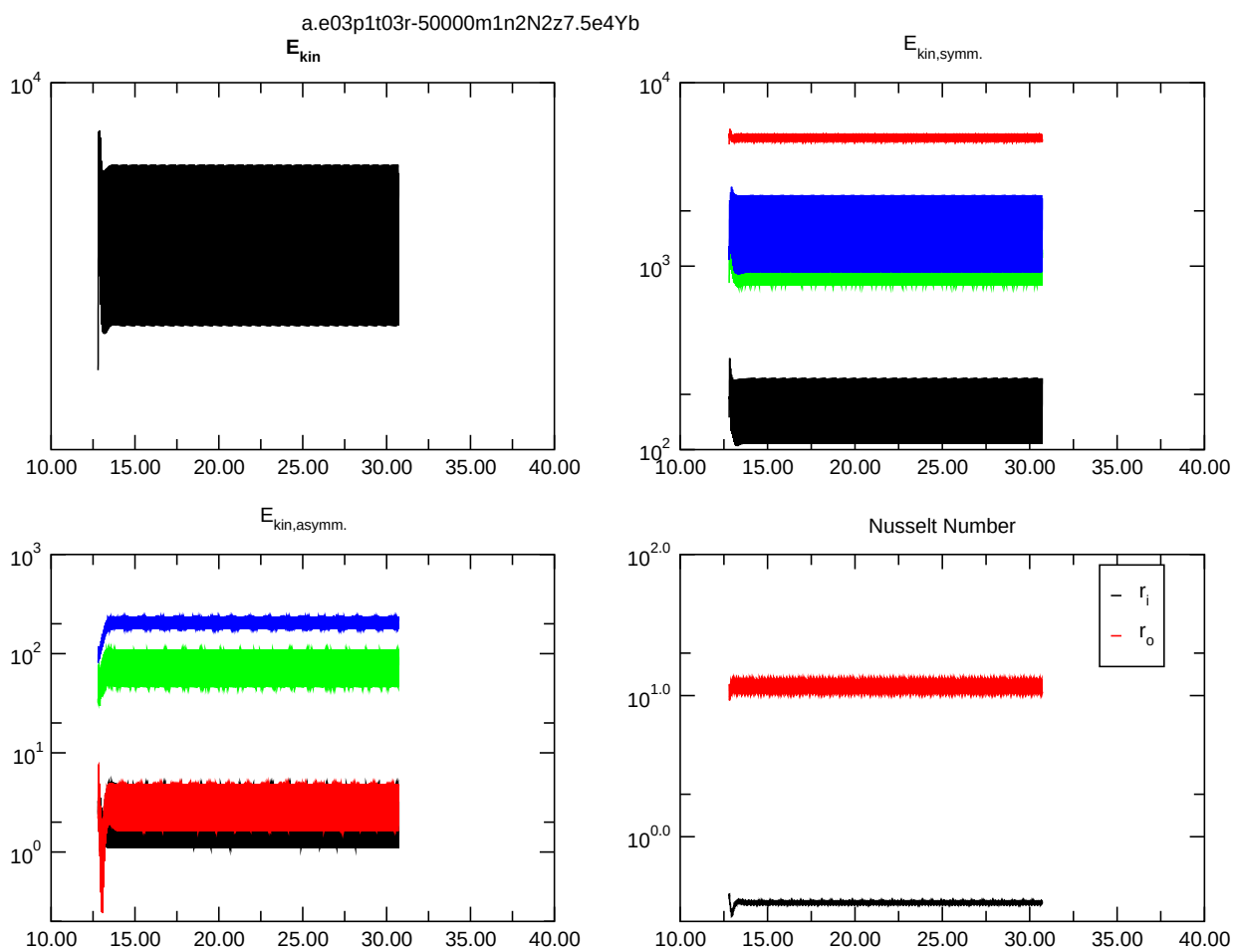
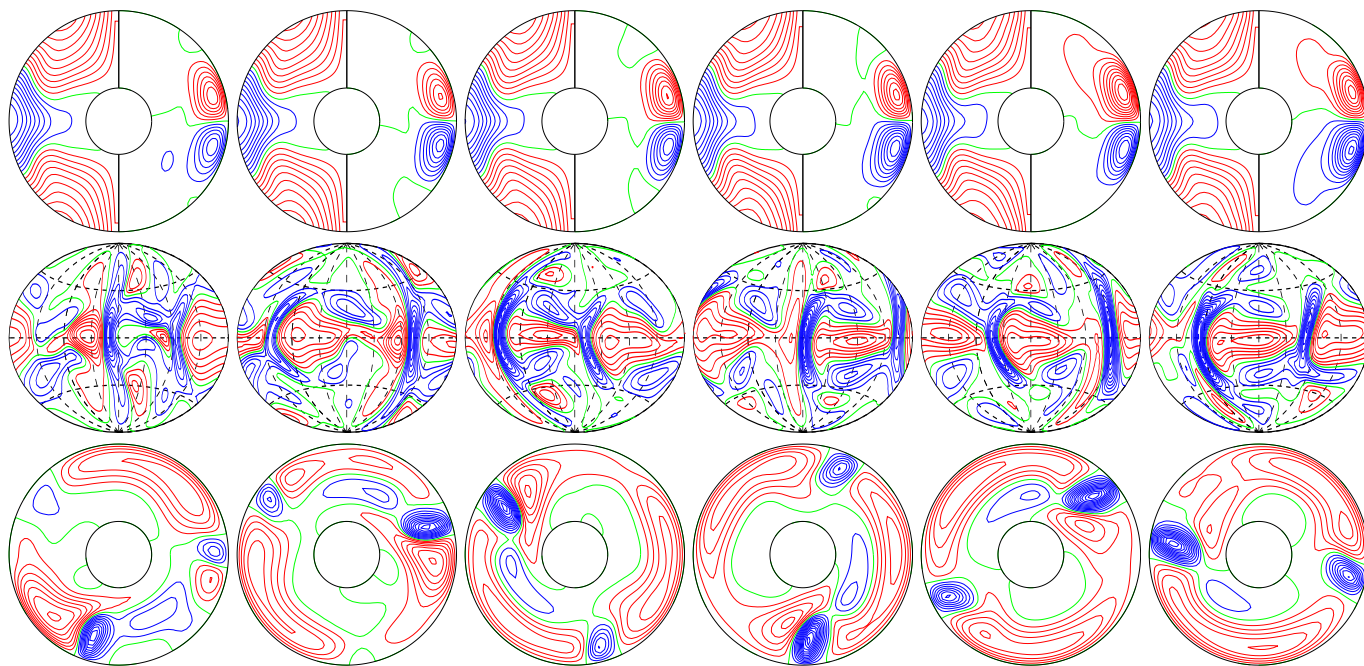


Nusselt Number



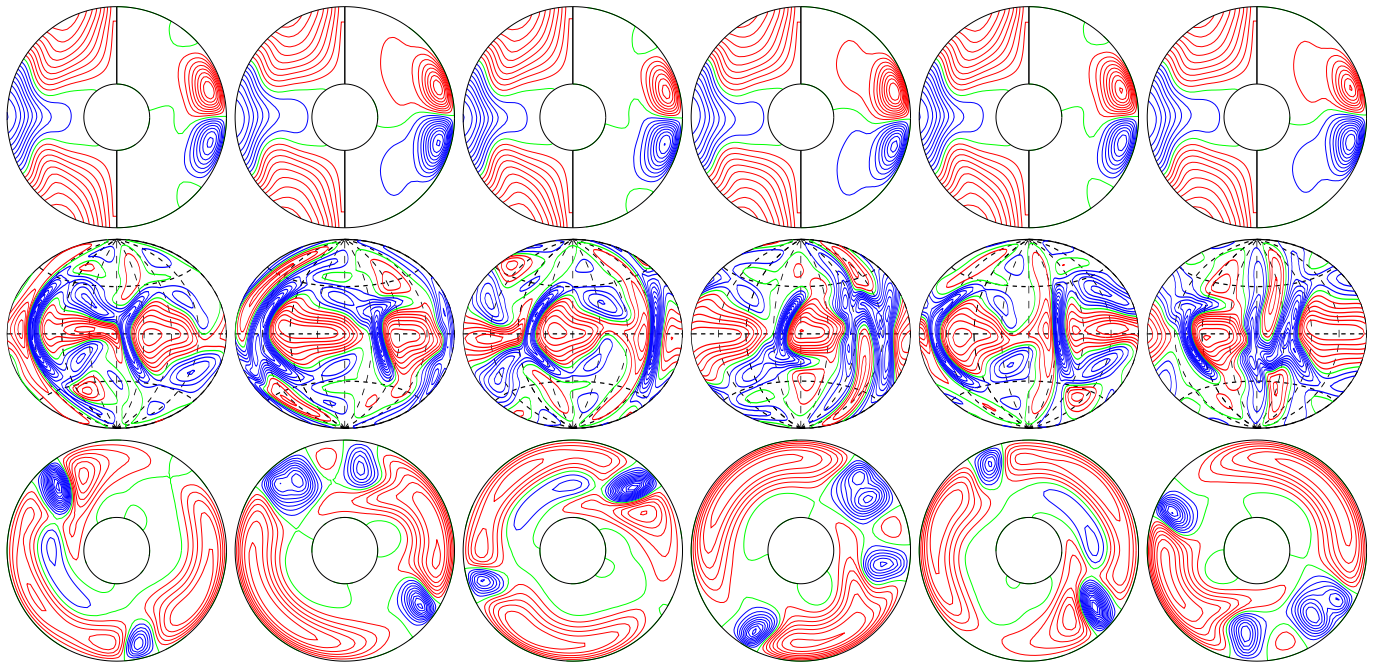
a.e03p1t03r-50000m1n2N2z7.5e4Yb.15
times: 24.32001 25.60001 26.88001 28.16001 29.44001 30.72001

May 17, 2016



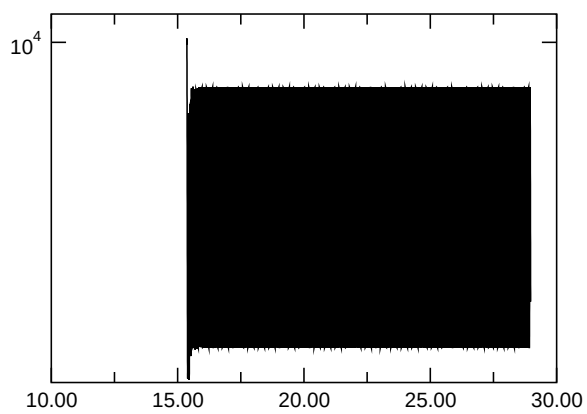
a.e03p1t03r-50000m1n2N2z7.75e4Ya.11
times: 21.76001 23.04001 24.32001 25.60001 26.88001 28.16001

May 17, 2016

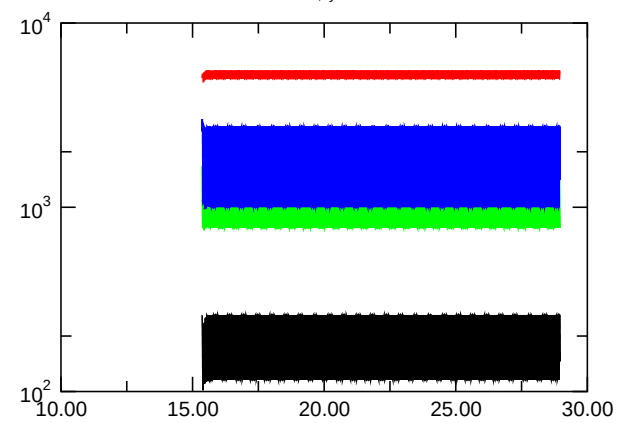


a.e03p1t03r-50000m1n2N2z7.75e4Ya

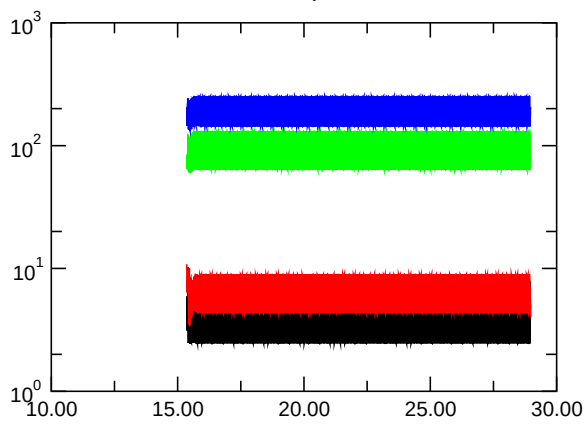
E_{kin}



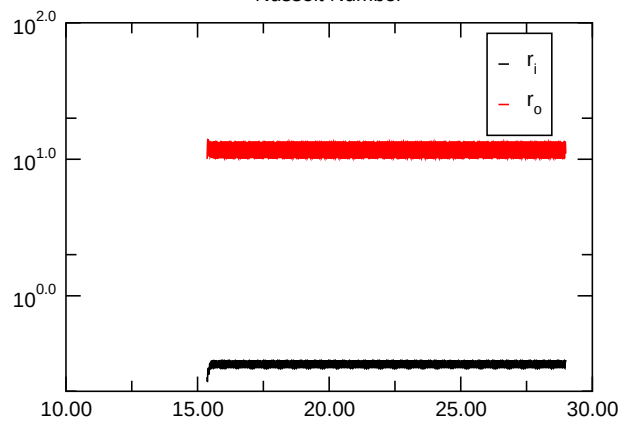
$E_{\text{kin,symm.}}$



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



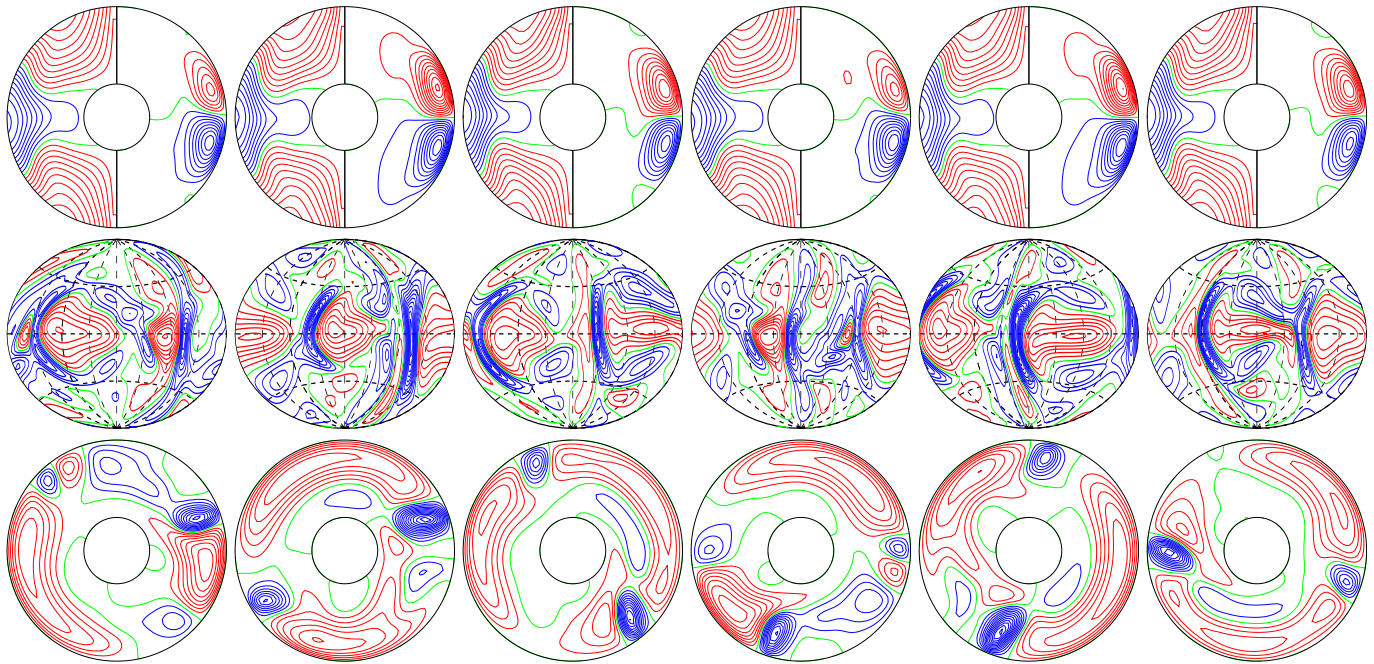
Nusselt Number



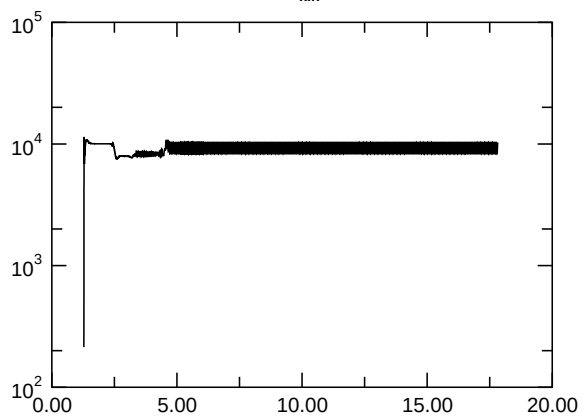
a.e03p1t03r-50000m1n2N2z8.0e4Y.13

times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

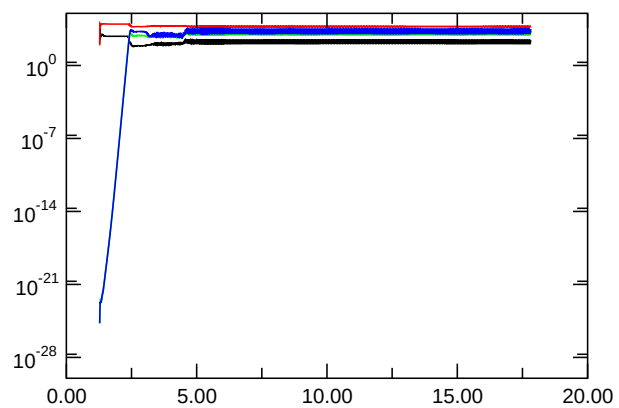
May 17, 2016



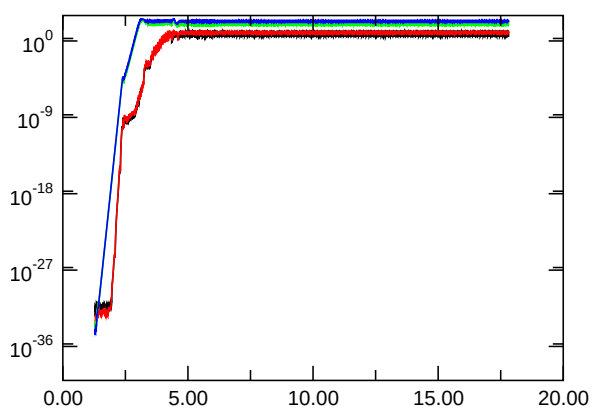
a.e03p1t03r-50000m1n2N2z8.0e4Y
 E_{kin}



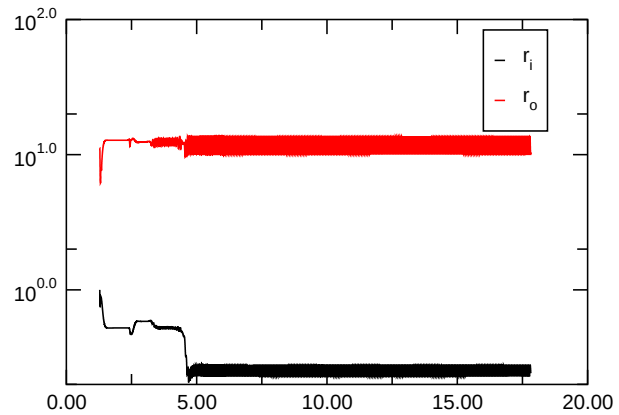
$E_{\text{kin,symm.}}$



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



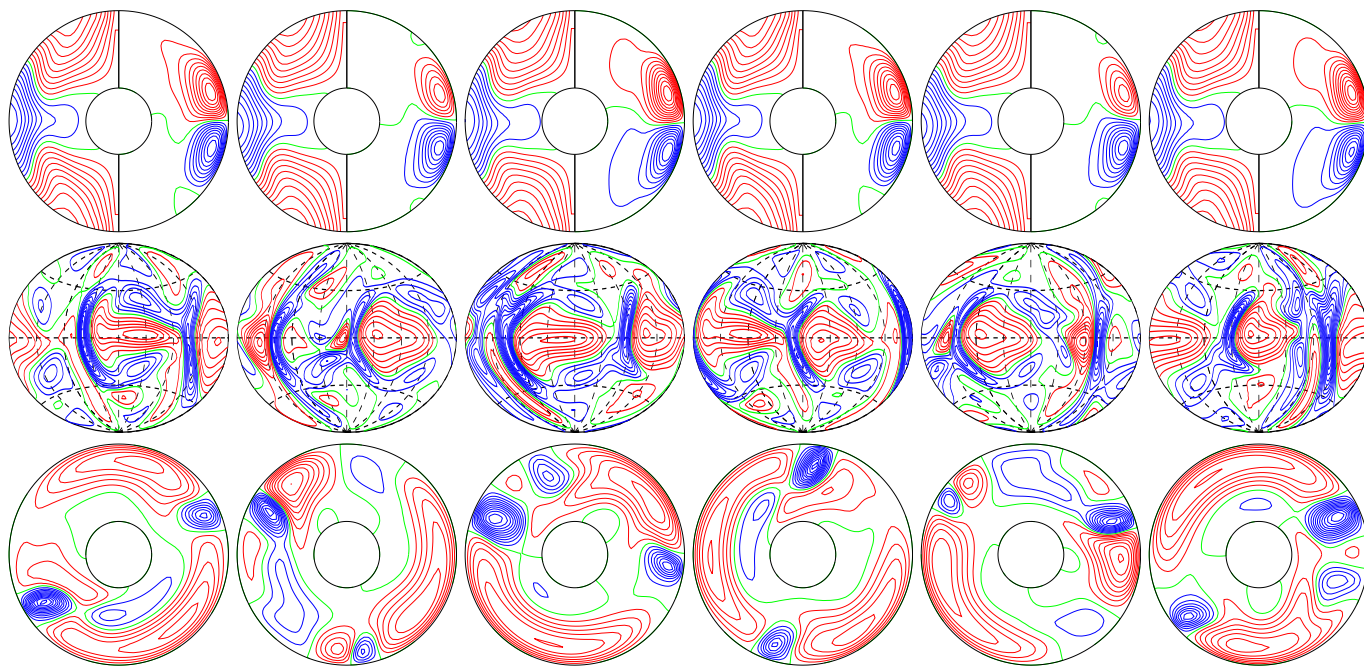
Nusselt Number



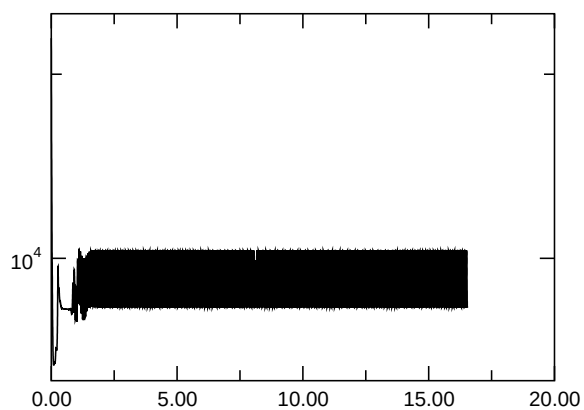
a.e03p1t03r-50000m1n2N2z8.0e4Ya.13

times: 8.960007 10.24001 11.52001 12.80001 14.08001 15.36001

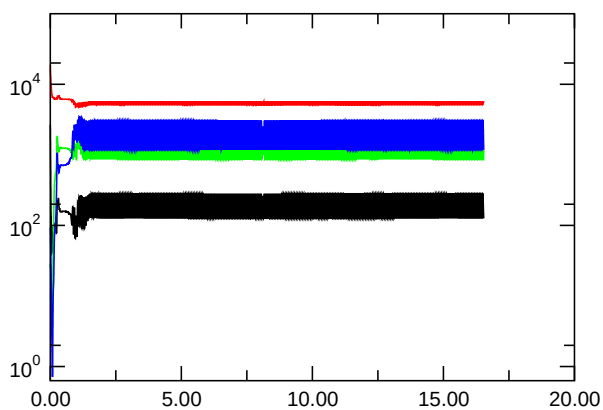
May 17, 2016



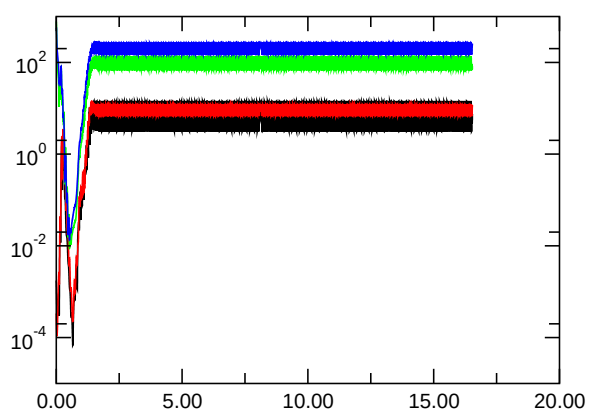
a.e03p1t03r-50000m1n2N2z8.0e4Ya
 E_{kin}



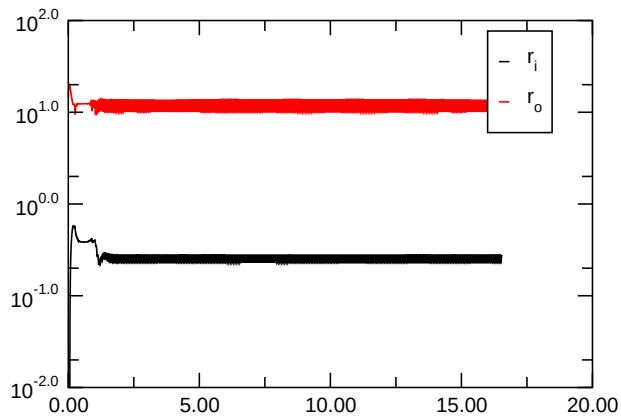
$E_{\text{kin,symm.}}$



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

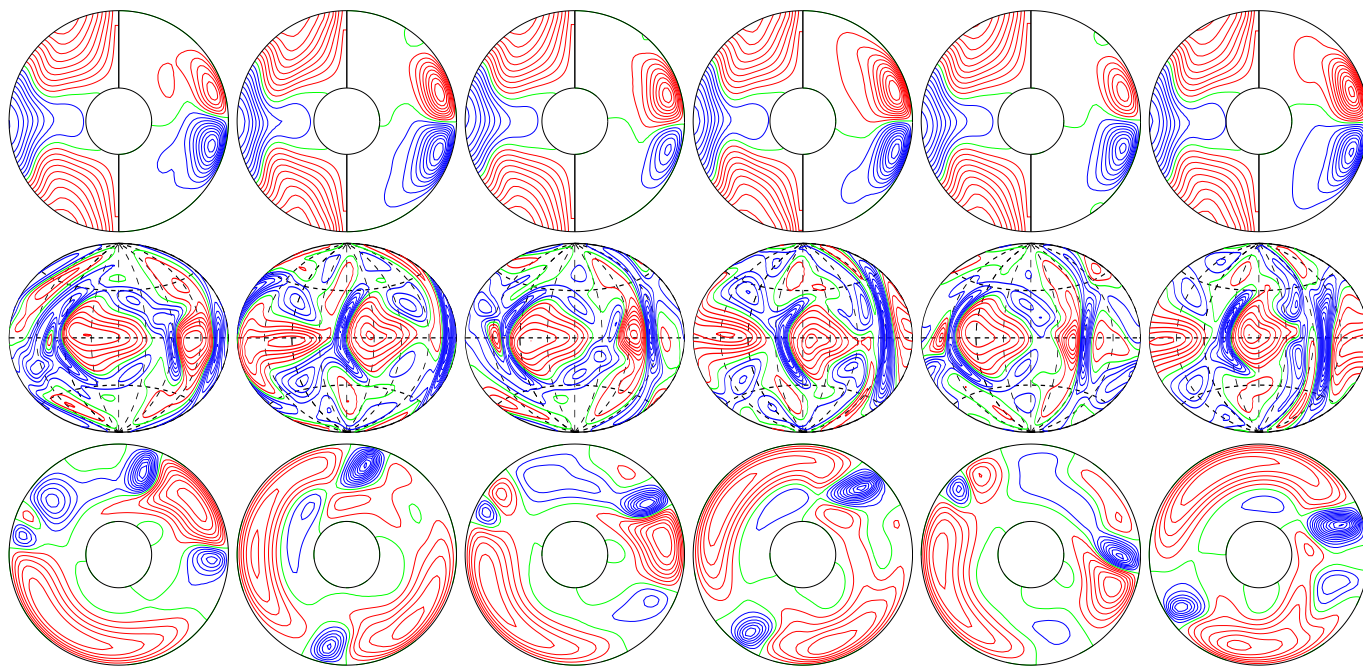


Nusselt Number

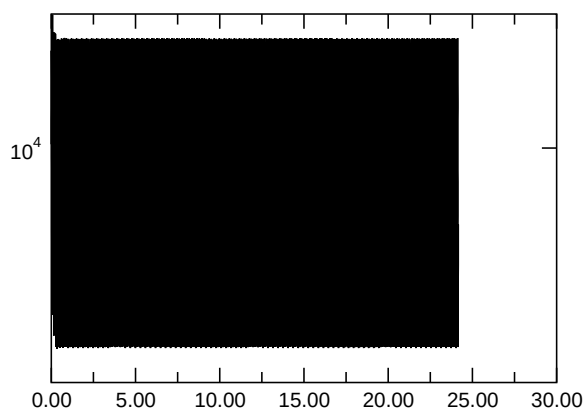


a.e03p1t03r-50000m1n2N2z8.2e4Yb.19
times: 16.64001 17.92001 19.20001 20.48001 21.76001 23.04001

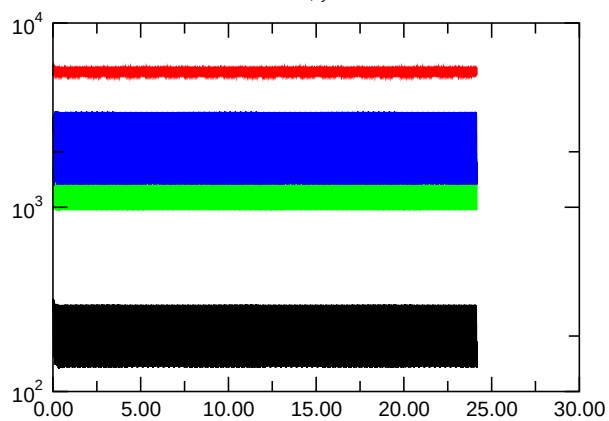
May 17, 2016



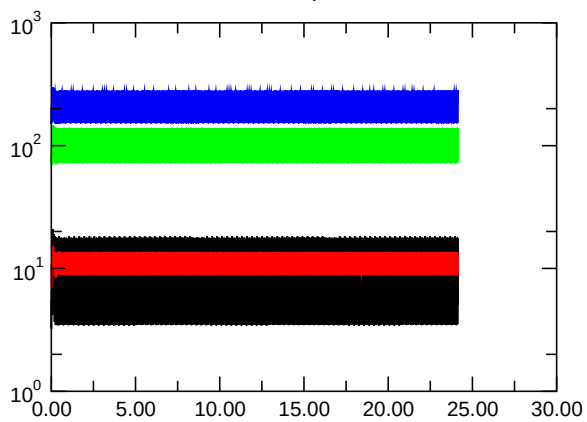
a.e03p1t03r-50000m1n2N2z8.2e4Yb
 E_{kin}



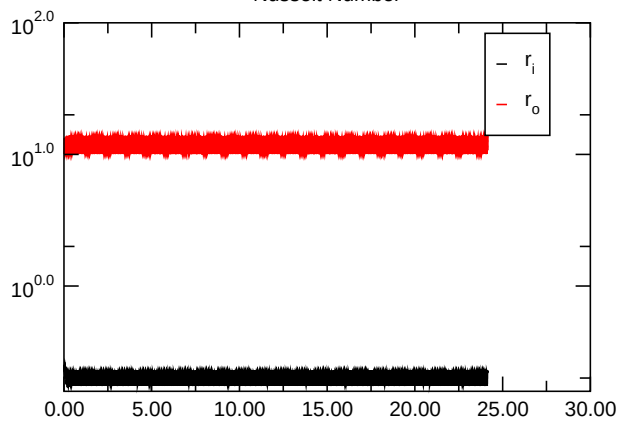
$E_{\text{kin,symm.}}$



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



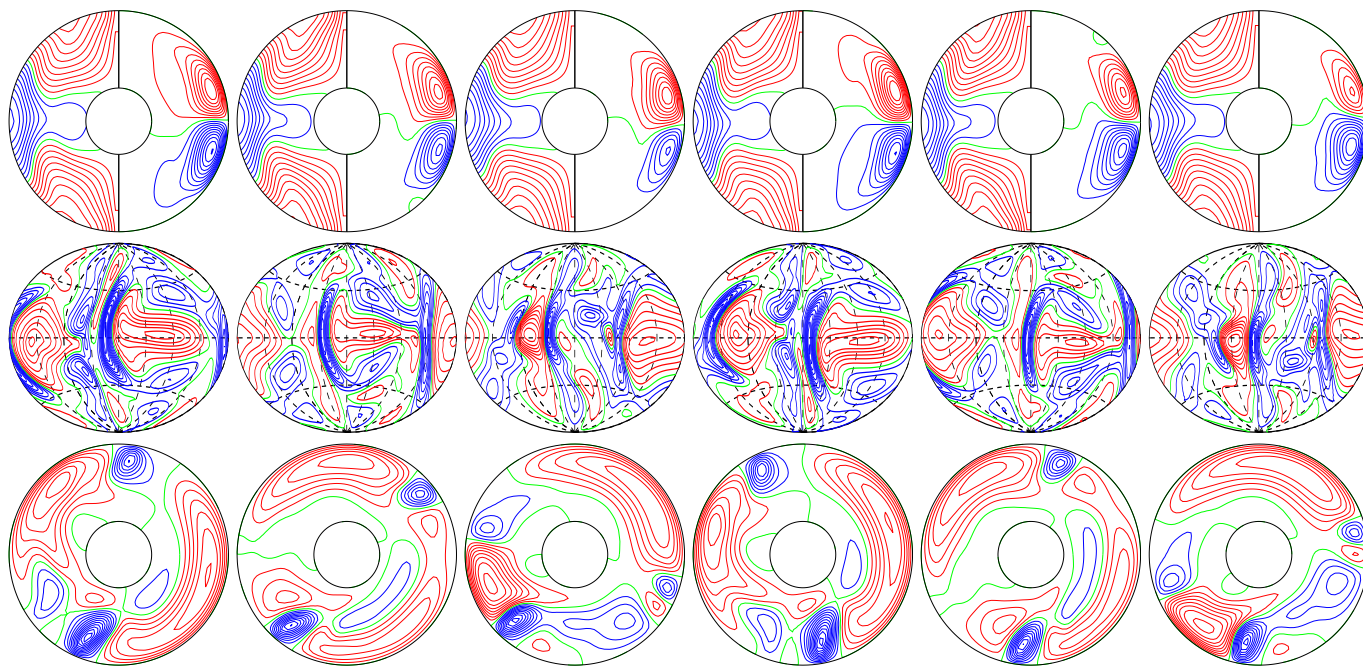
Nusselt Number



a.e03p1t03r-50000m1n2N2z8.4e4Yb.30

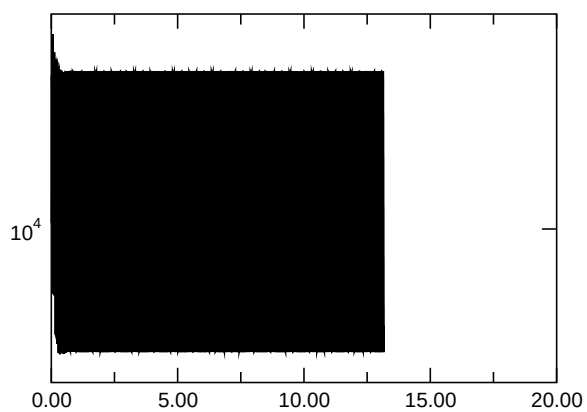
times: 13.07763 13.09746 13.11729 13.13712 13.15695 13.17678

May 17, 2016

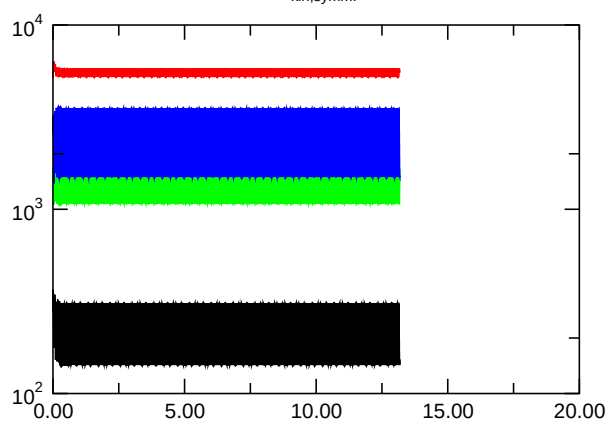


a.e03p1t03r-50000m1n2N2z8.4e4Yb

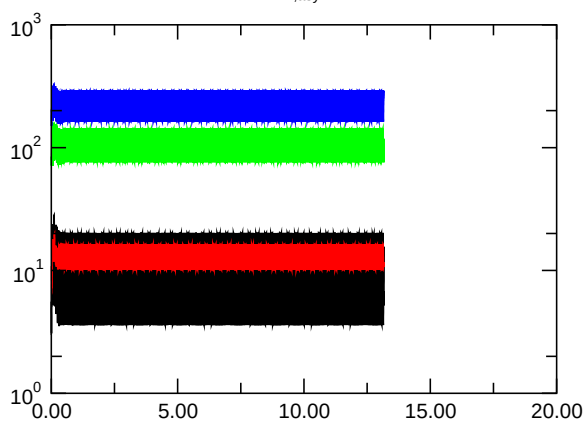
E_{kin}



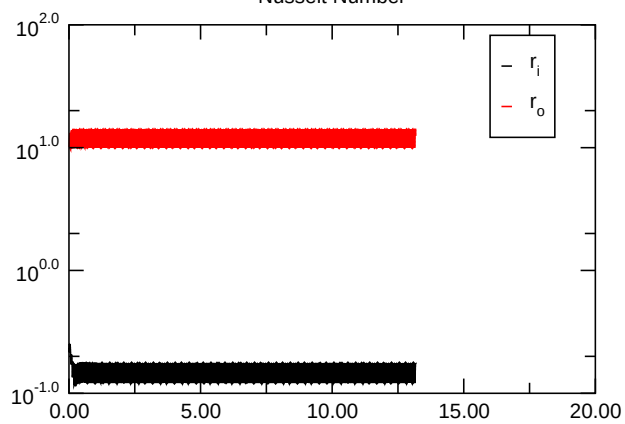
$E_{\text{kin,symm.}}$



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

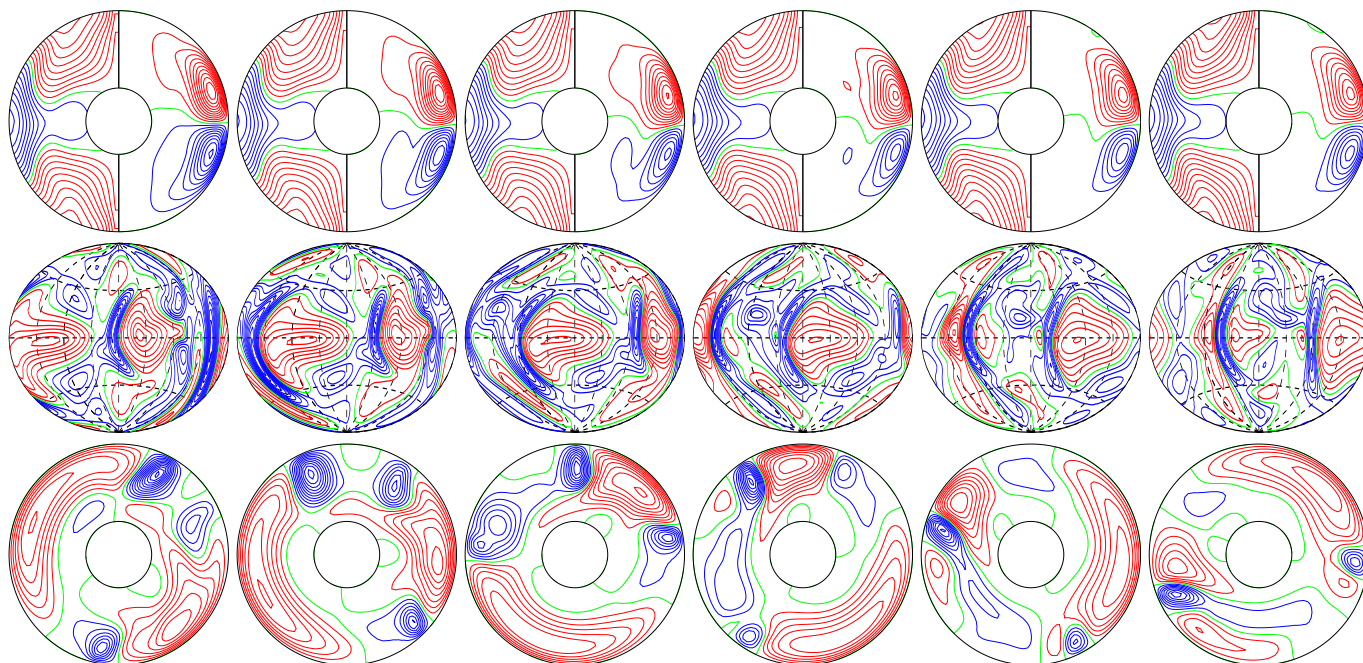


Nusselt Number

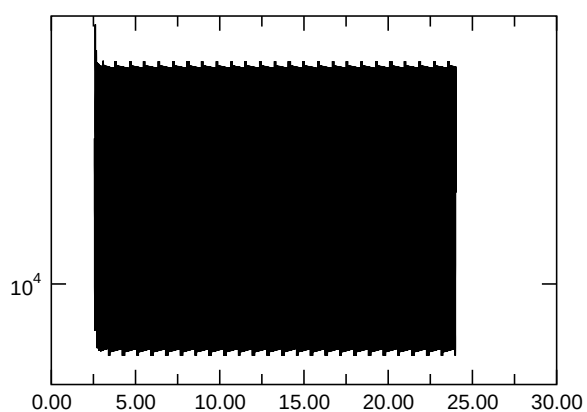


a.e03p1t03r-50000m1n2N2z8.6e4Yb.17
times: 16.64001 17.92001 19.20001 20.48001 21.76001 23.04001

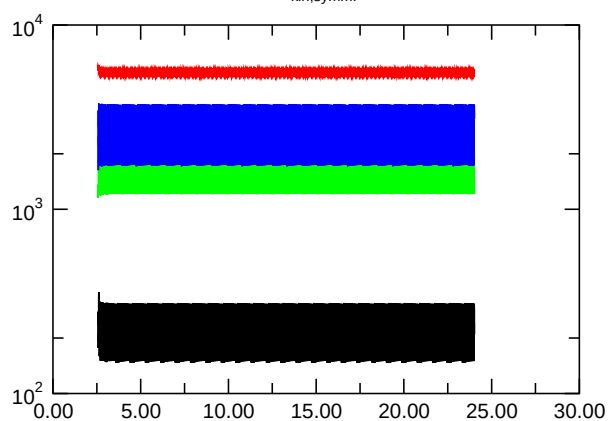
May 17, 2016



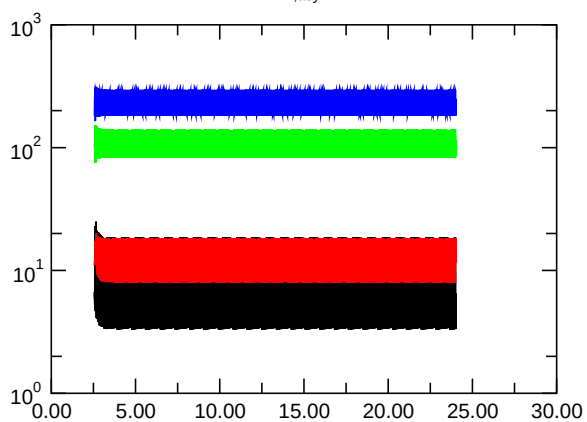
a.e03p1t03r-50000m1n2N2z8.6e4Yb
 E_{kin}



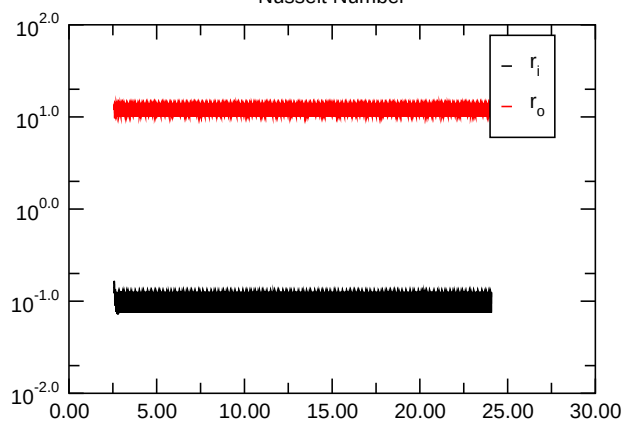
$E_{\text{kin,symm.}}$



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

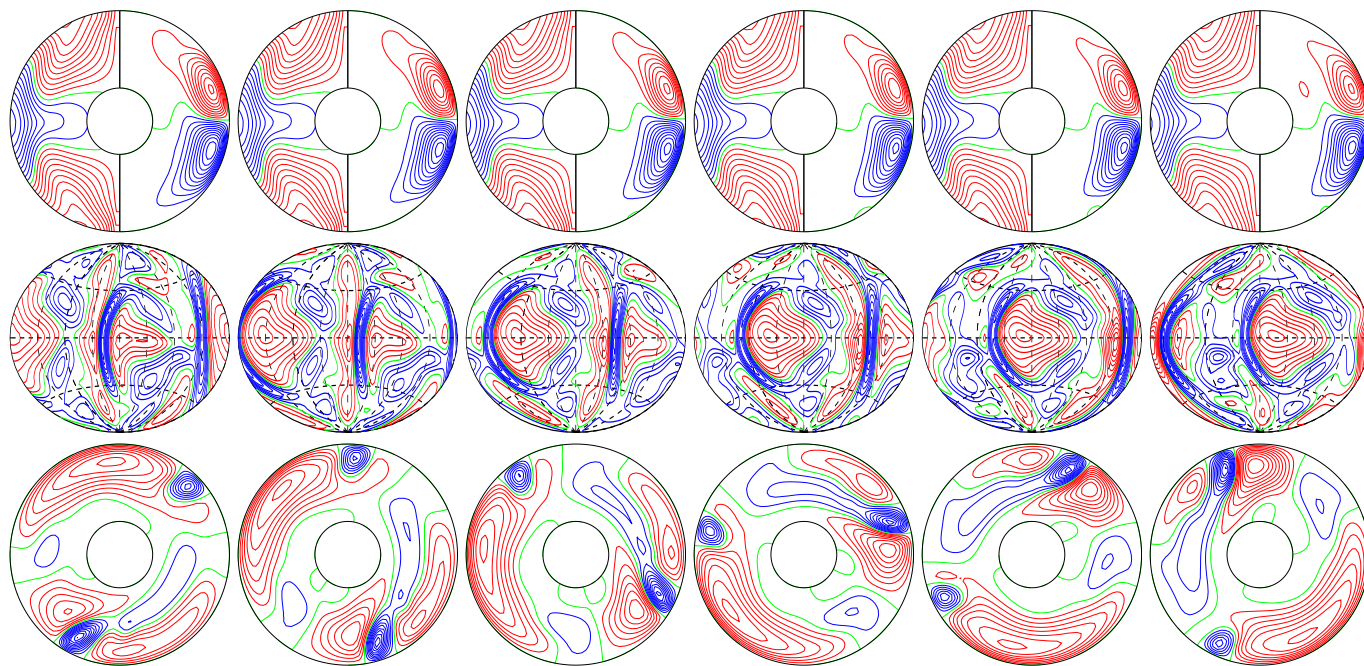


Nusselt Number

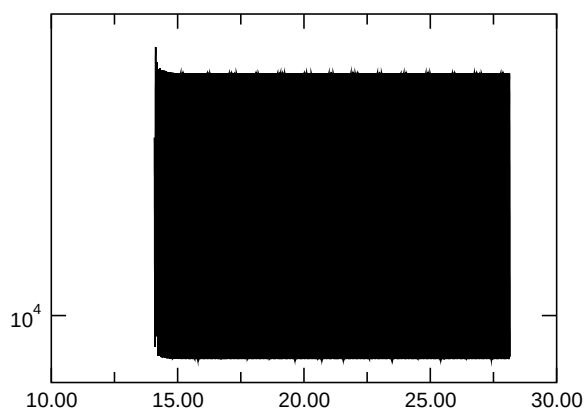


a.e03p1t03r-50000m1n2N2z8.7e4Yb.12
times: 21.76001 23.04001 24.32001 25.60001 26.88001 28.16001

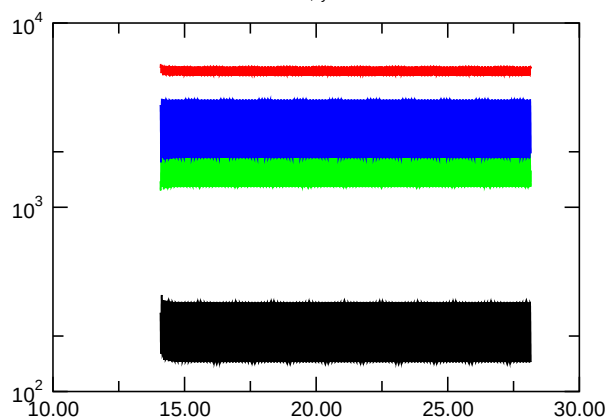
May 17, 2016



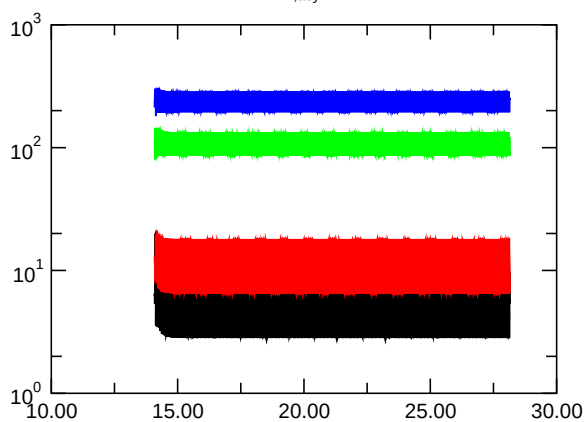
a.e03p1t03r-50000m1n2N2z8.7e4Yb
 E_{kin}



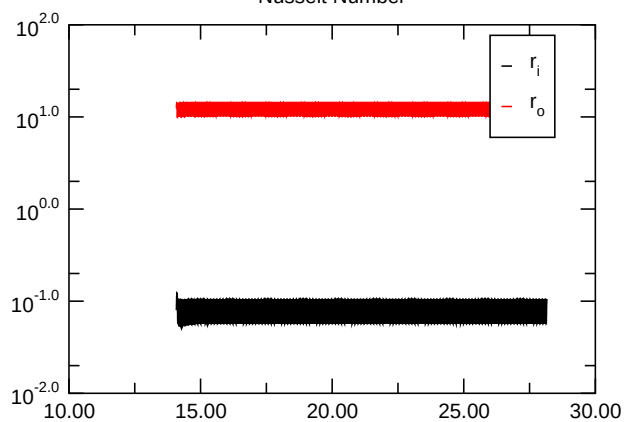
$E_{\text{kin,symm.}}$



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

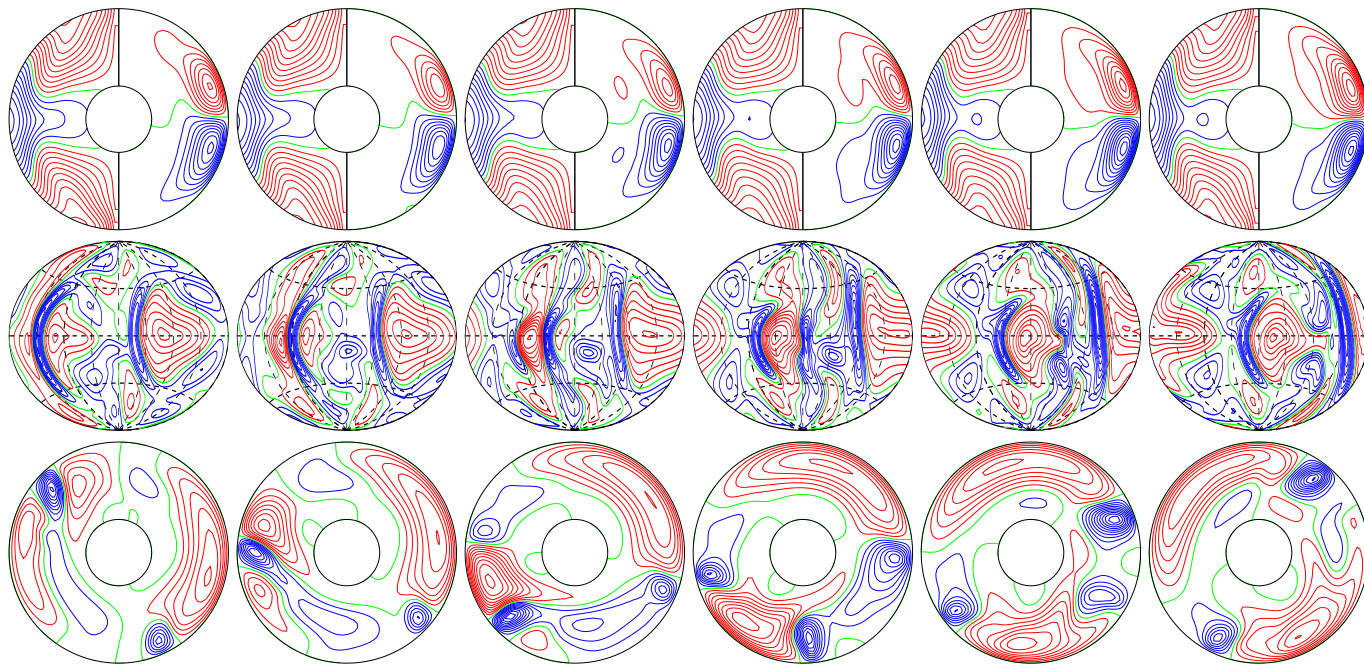


Nusselt Number

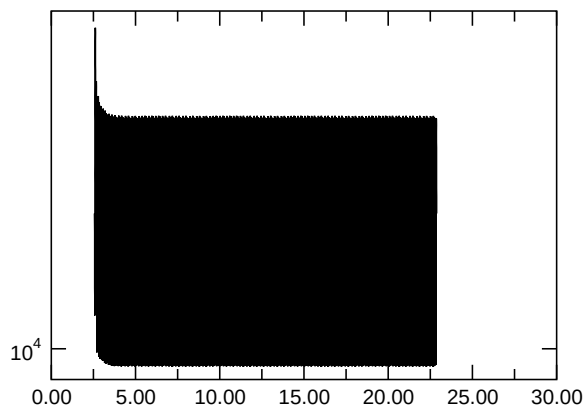


a.e03p1t03r-50000m1n2N2z8.8e4Yb.16
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

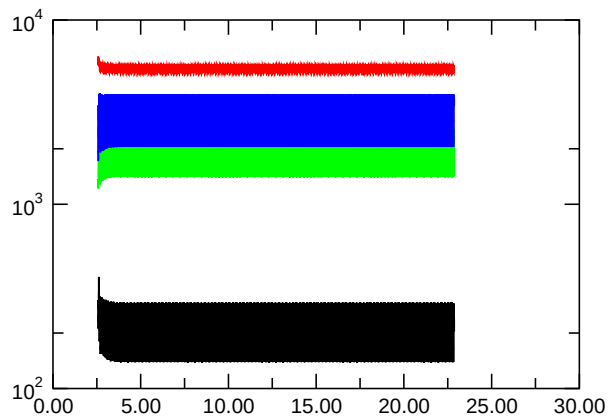
May 17, 2016



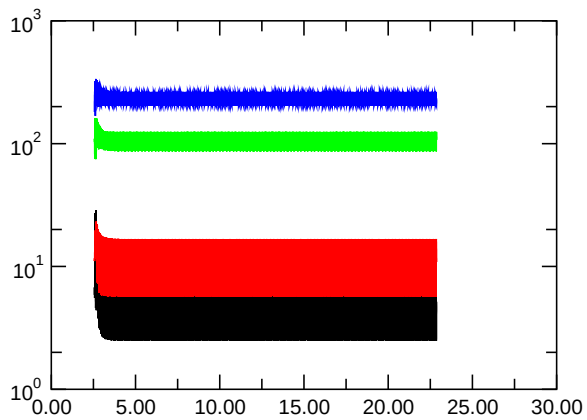
a.e03p1t03r-50000m1n2N2z8.8e4Yb
 E_{kin}



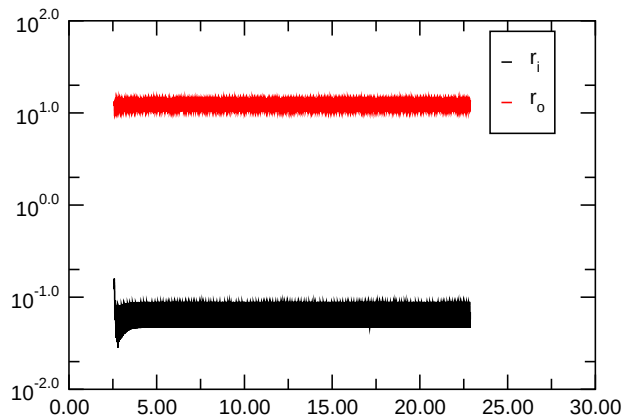
$E_{\text{kin,symm.}}$



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

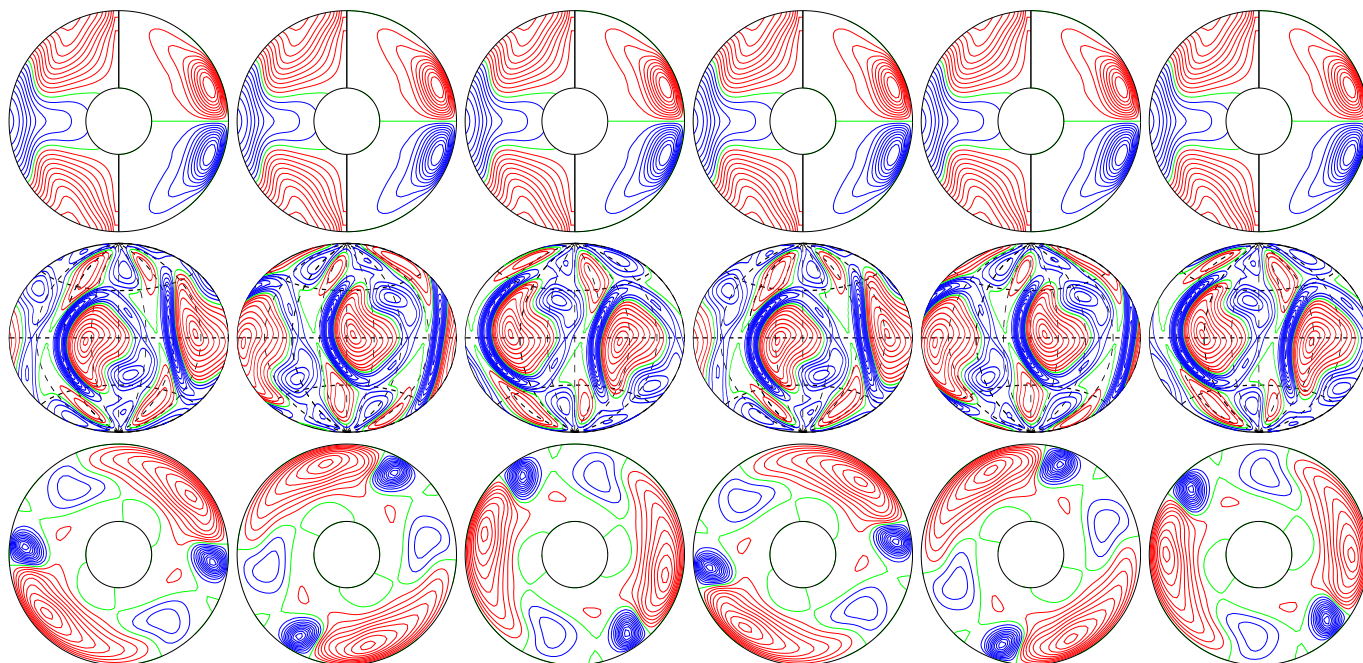


Nusselt Number

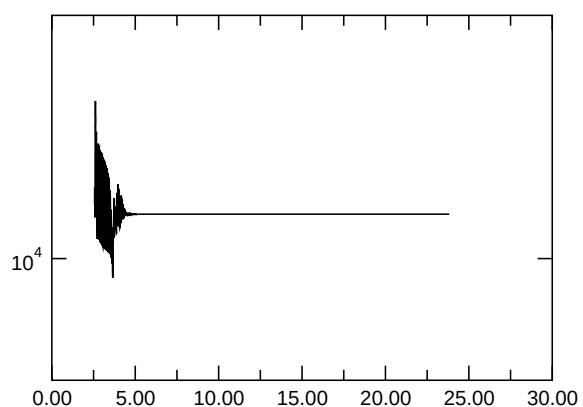


a.e03p1t03r-50000m1n2N2z9.0e4Ybb.17
times: 16.64001 17.92001 19.20001 20.48001 21.76001 23.04001

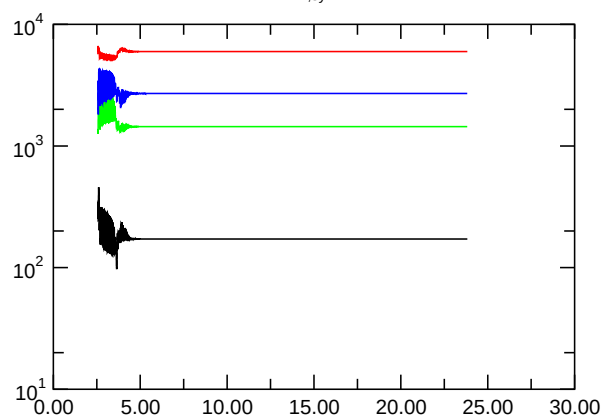
May 17, 2016



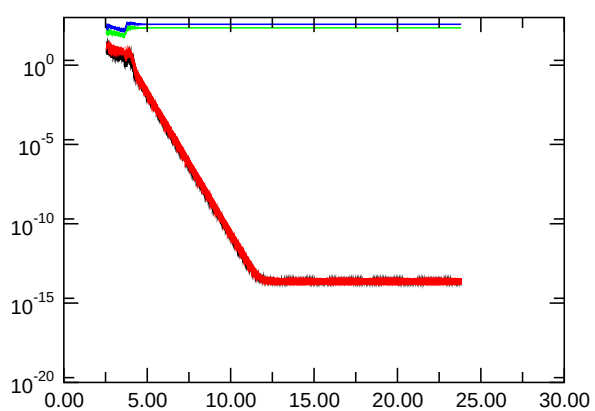
a.e03p1t03r-50000m1n2N2z9.0e4Ybb
 E_{kin}



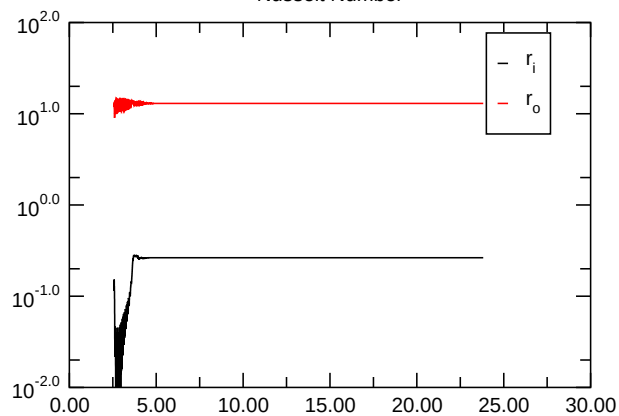
$E_{\text{kin,symm.}}$



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



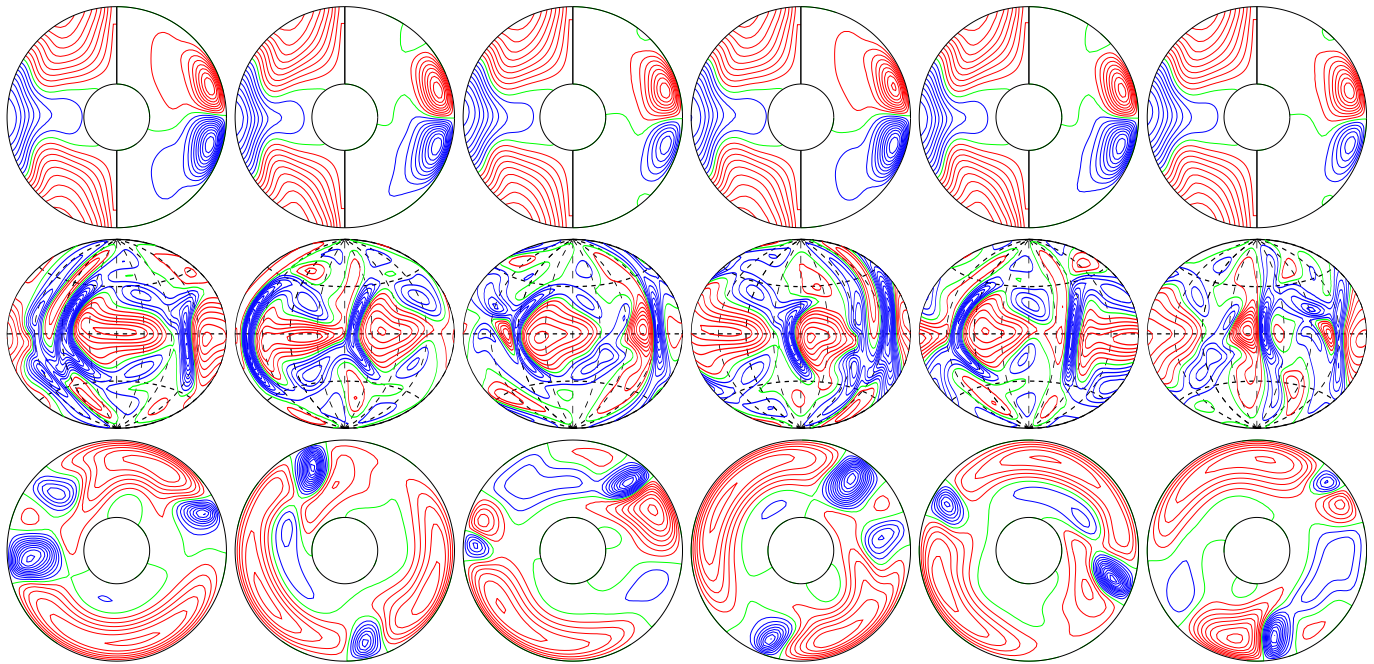
Nusselt Number



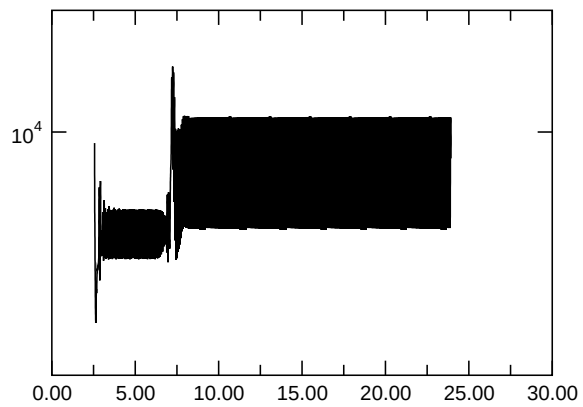
a.e03p1t03r-50000m1n2N2z8.0e4Yaa.17

times: 16.64001 17.92001 19.20001 20.48001 21.76001 23.04001

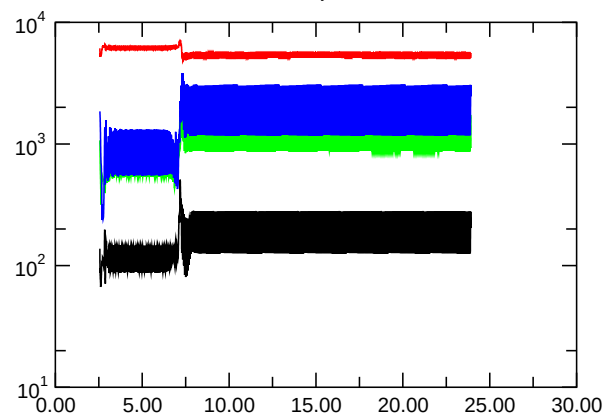
May 17, 2016



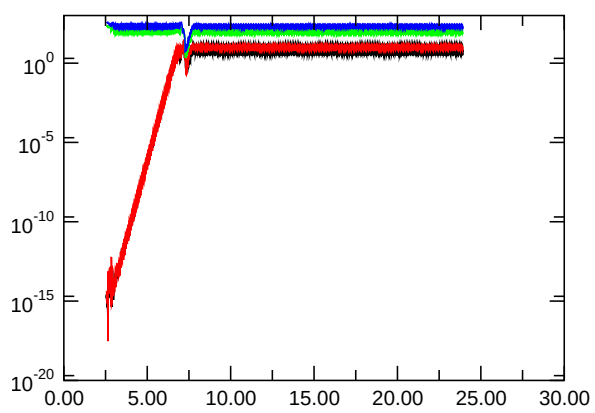
a.e03p1t03r-50000m1n2N2z8.0e4Yaa
 E_{kin}



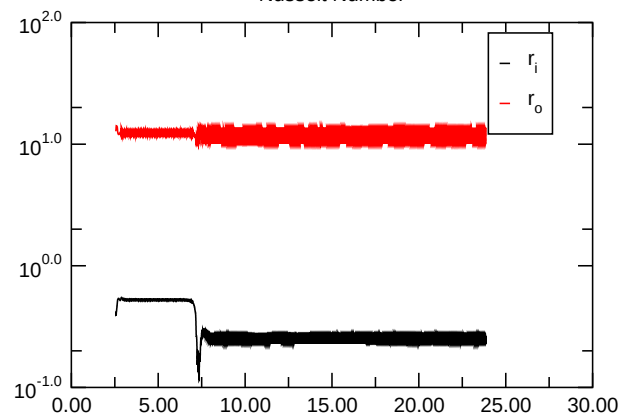
$E_{\text{kin,symm.}}$



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

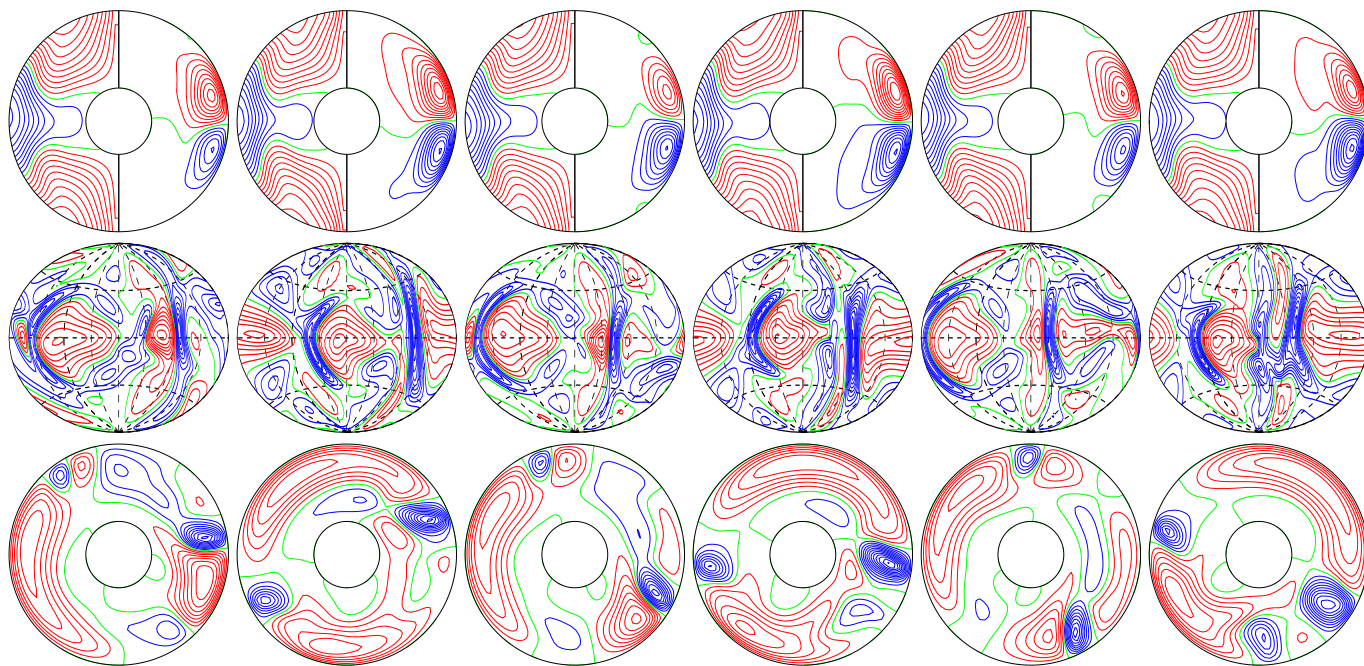


Nusselt Number

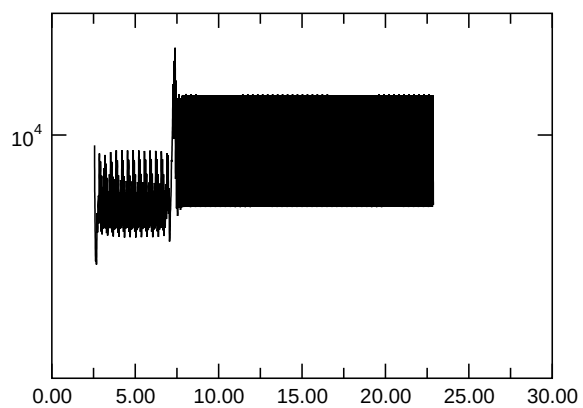


a.e03p1t03r-50000m1n2N2z8.2e4Ya.16
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

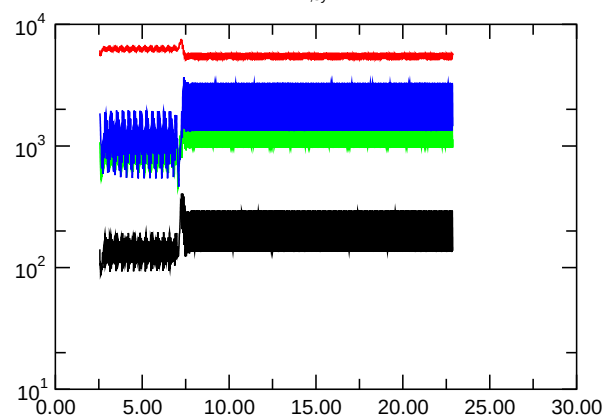
May 17, 2016



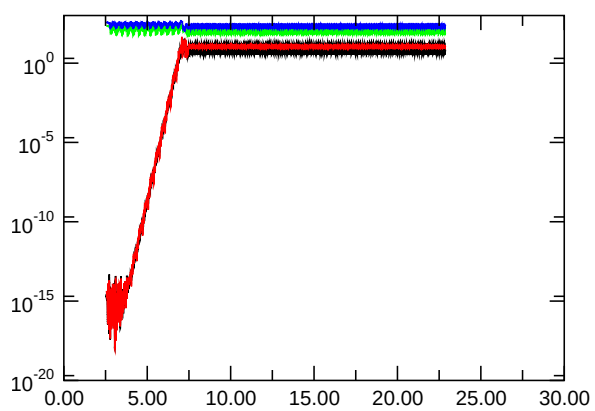
a.e03p1t03r-50000m1n2N2z8.2e4Ya
 E_{kin}



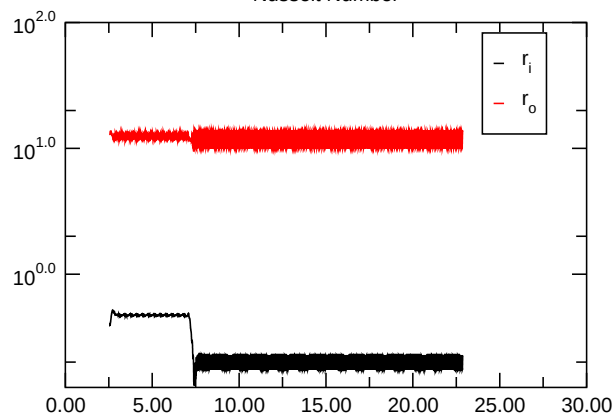
$E_{\text{kin,symm.}}$



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



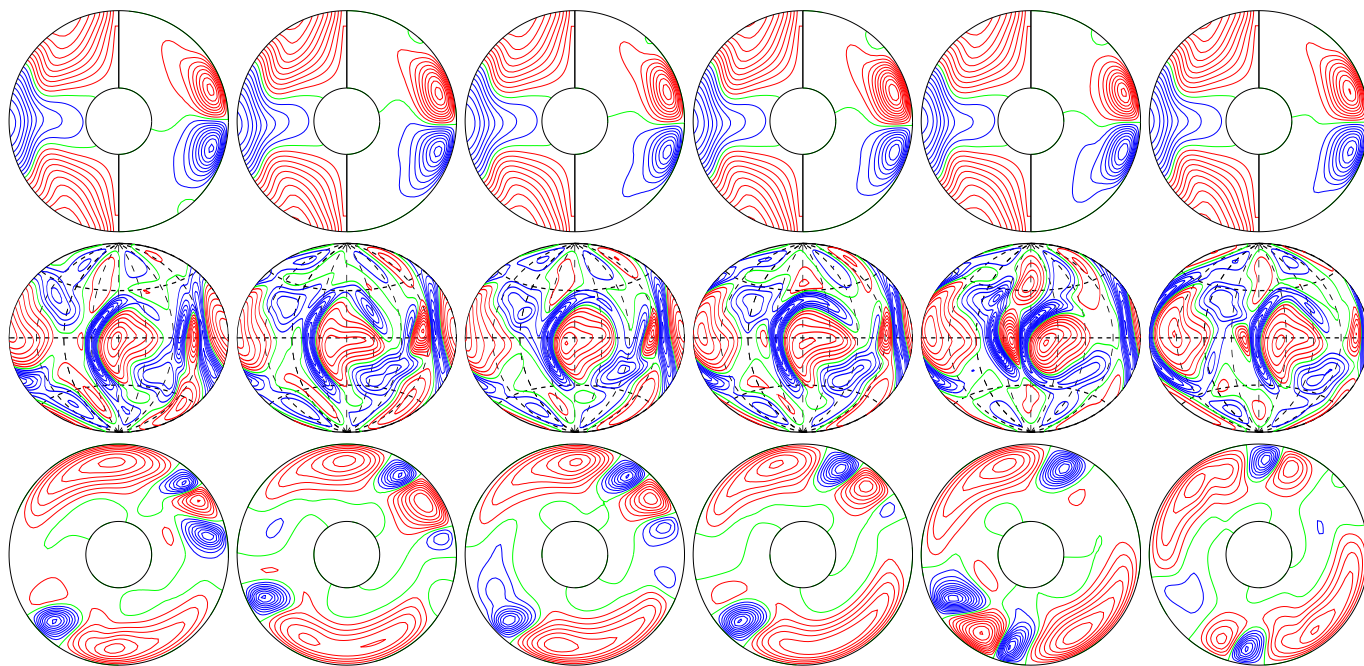
Nusselt Number



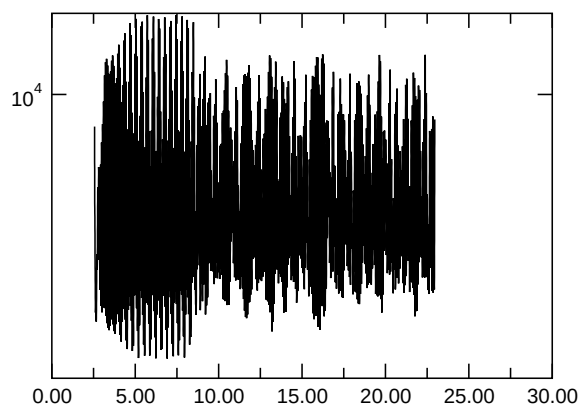
a.e03p1t03r-50000m1n2N2z8.4e4Ya.16

May 17, 2016

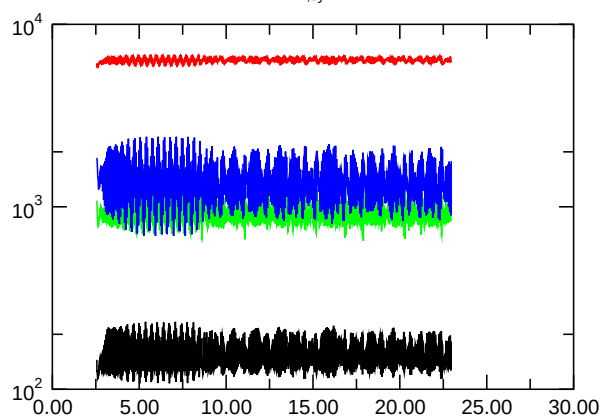
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001



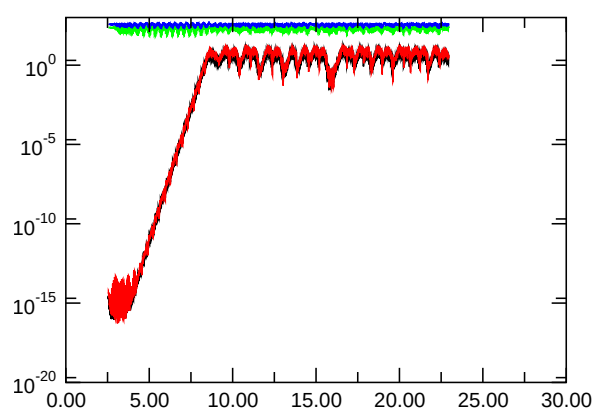
a.e03p1t03r-50000m1n2N2z8.4e4Ya
 E_{kin}



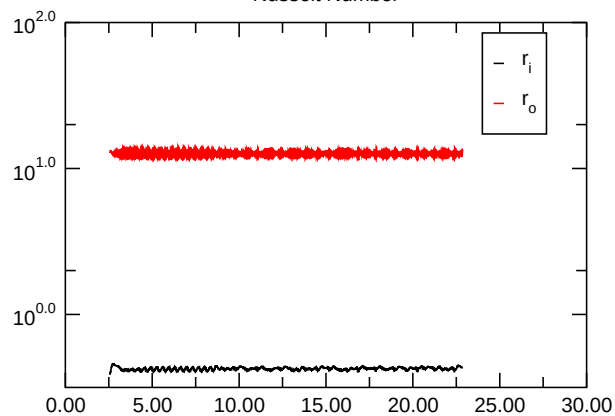
$E_{\text{kin,symm.}}$



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

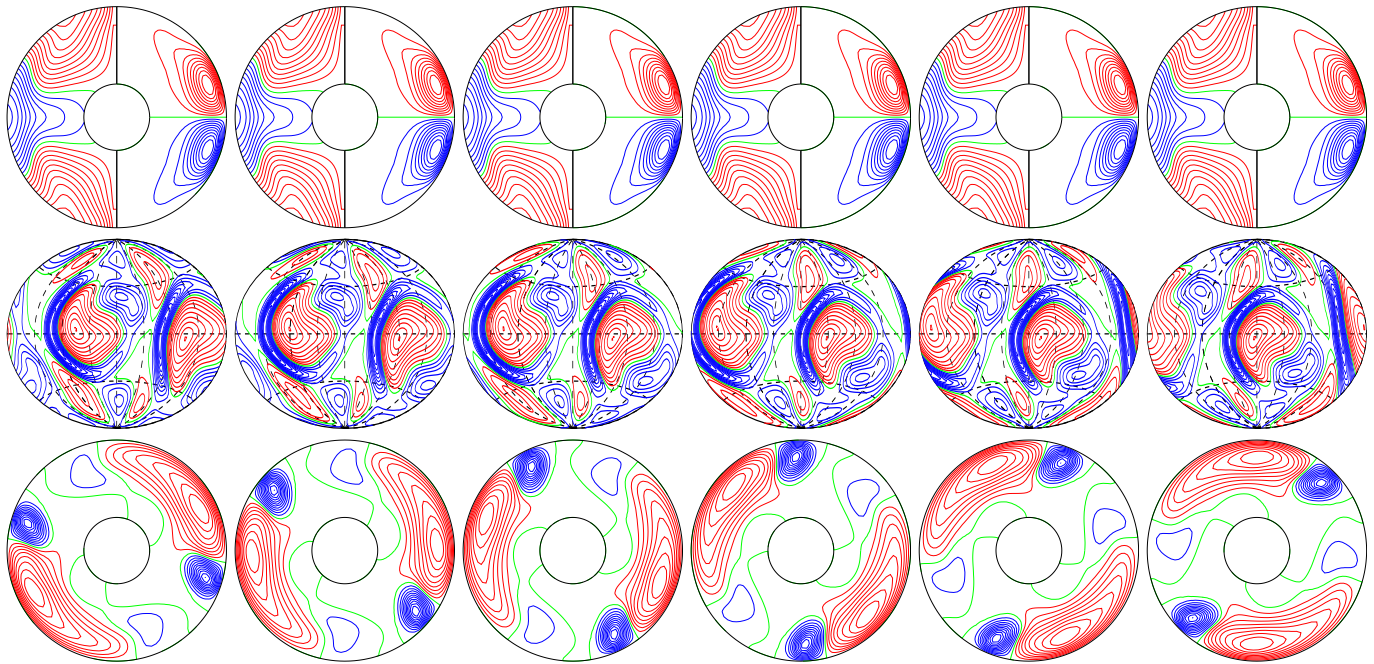


Nusselt Number

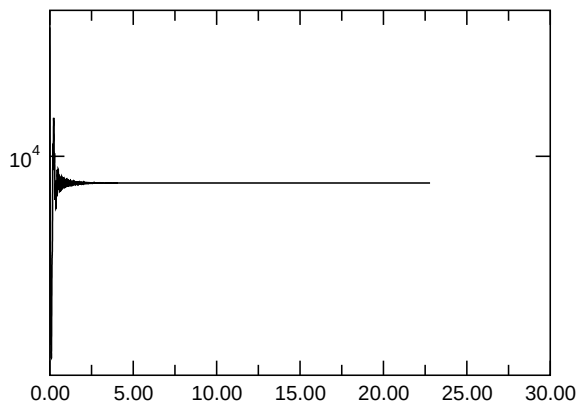


a.e03p1t03r-50000m1n2N2z8.6e4Ya.18
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

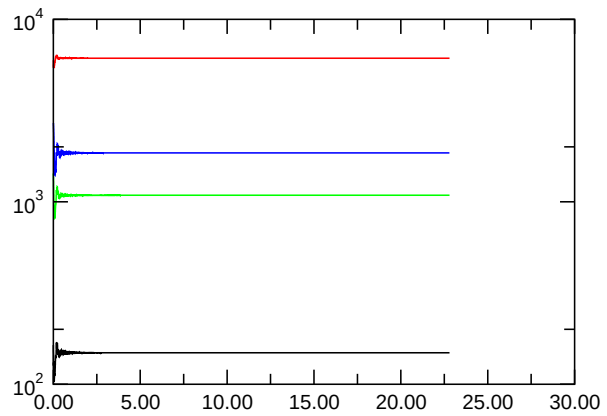
May 17, 2016



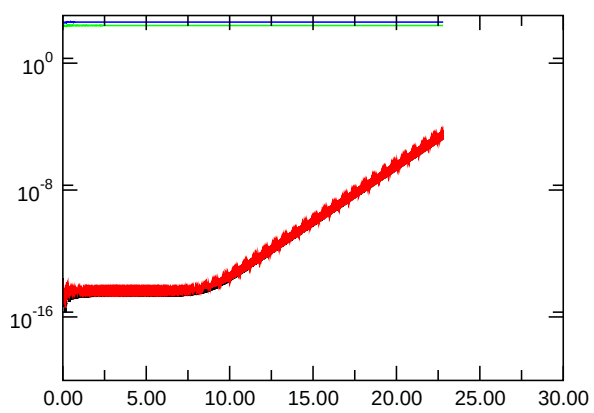
a.e03p1t03r-50000m1n2N2z8.6e4Ya
 E_{kin}



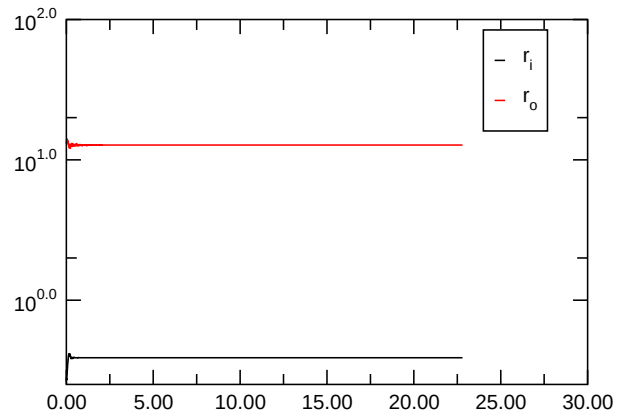
$E_{\text{kin,symm.}}$



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



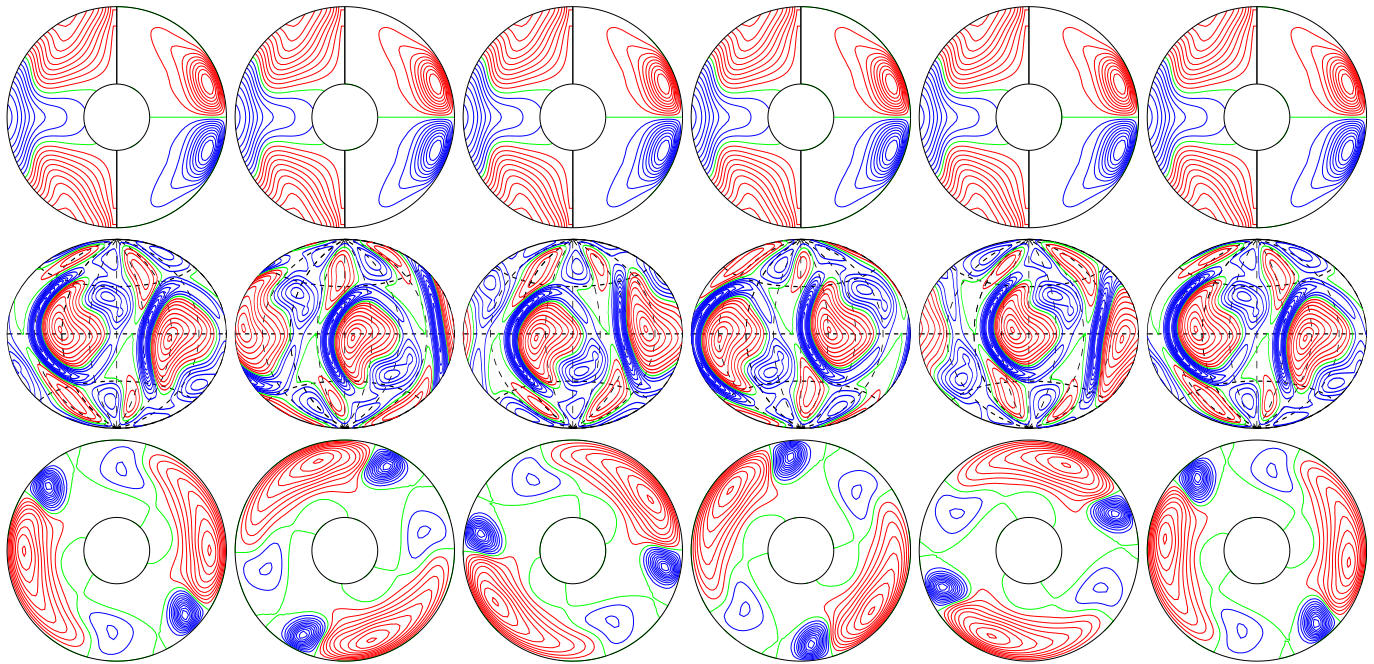
Nusselt Number



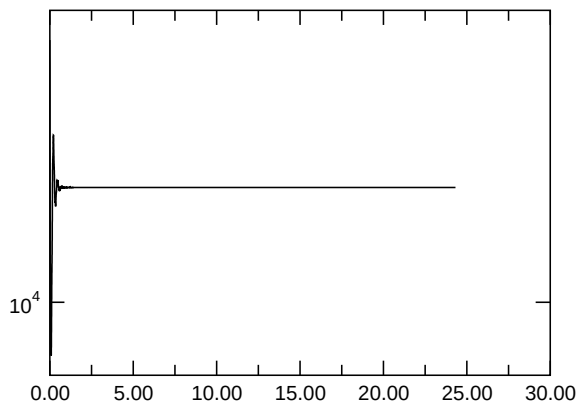
a.e03p1t03r-50000m1n2N2z8.8e4Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

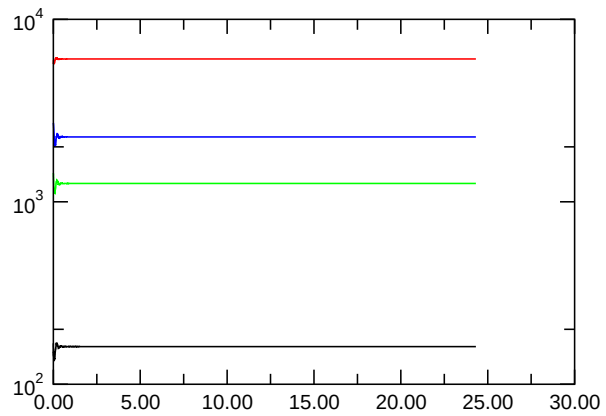
May 17, 2016



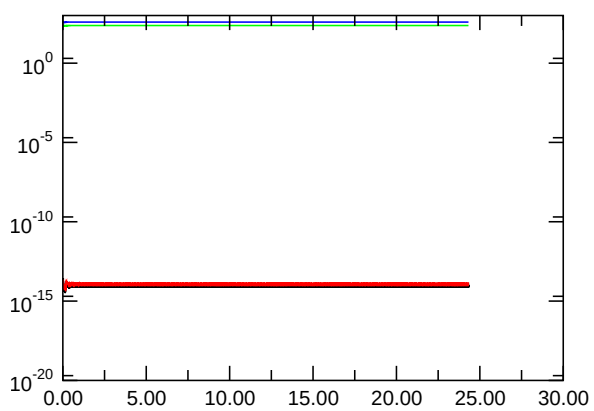
a.e03p1t03r-50000m1n2N2z8.8e4Ya
 E_{kin}



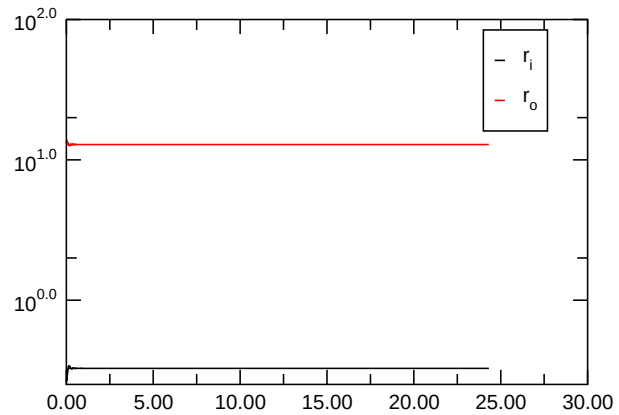
$E_{\text{kin,symm.}}$



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



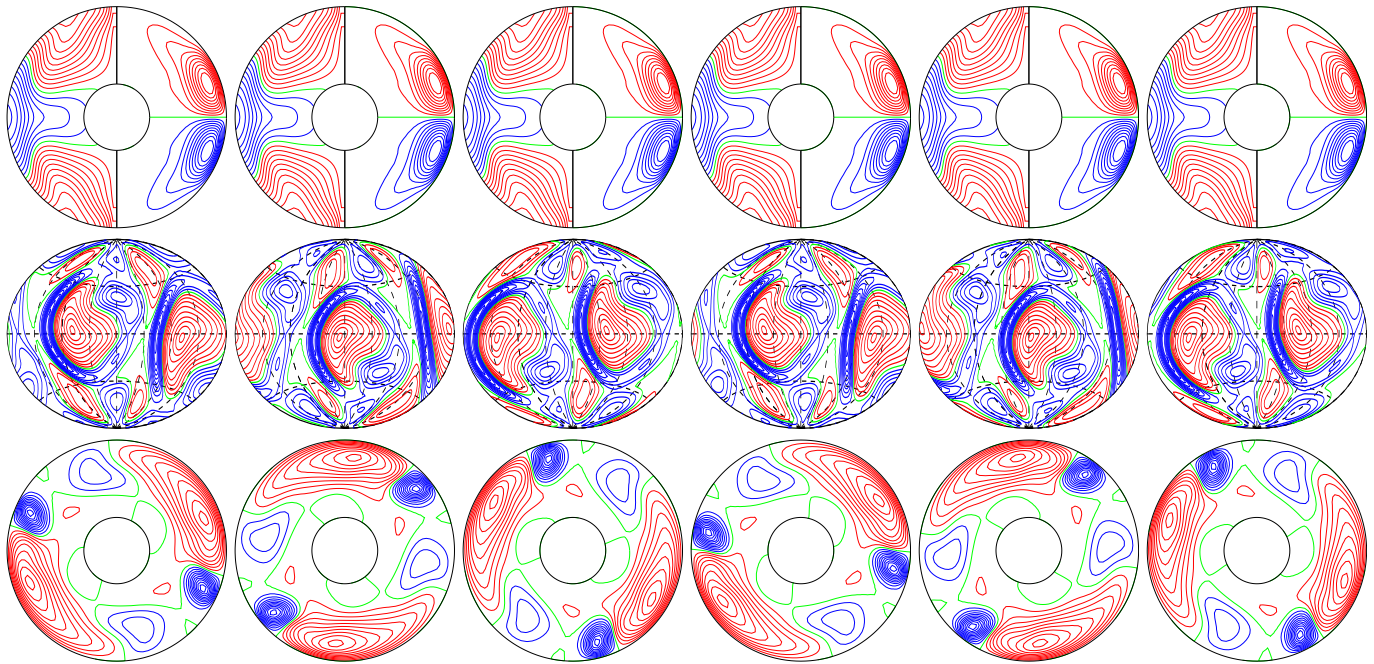
Nusselt Number



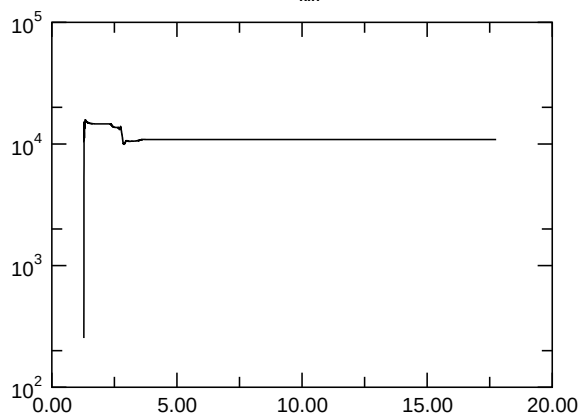
a.e03p1t03r-50000m1n2N2z9.0e4Y.13

times: 10.24001 11.52001 12.80001 14.08001 15.36001 16.64001

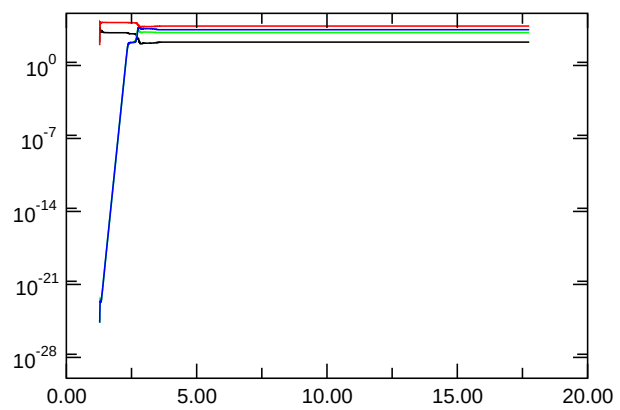
May 17, 2016



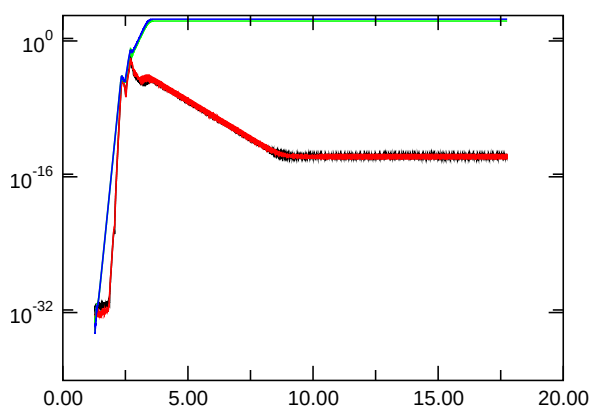
a.e03p1t03r-50000m1n2N2z9.0e4Y
 E_{kin}



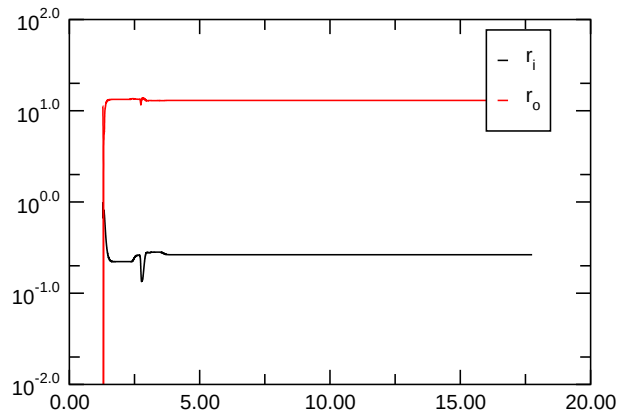
$E_{\text{kin,symm.}}$



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

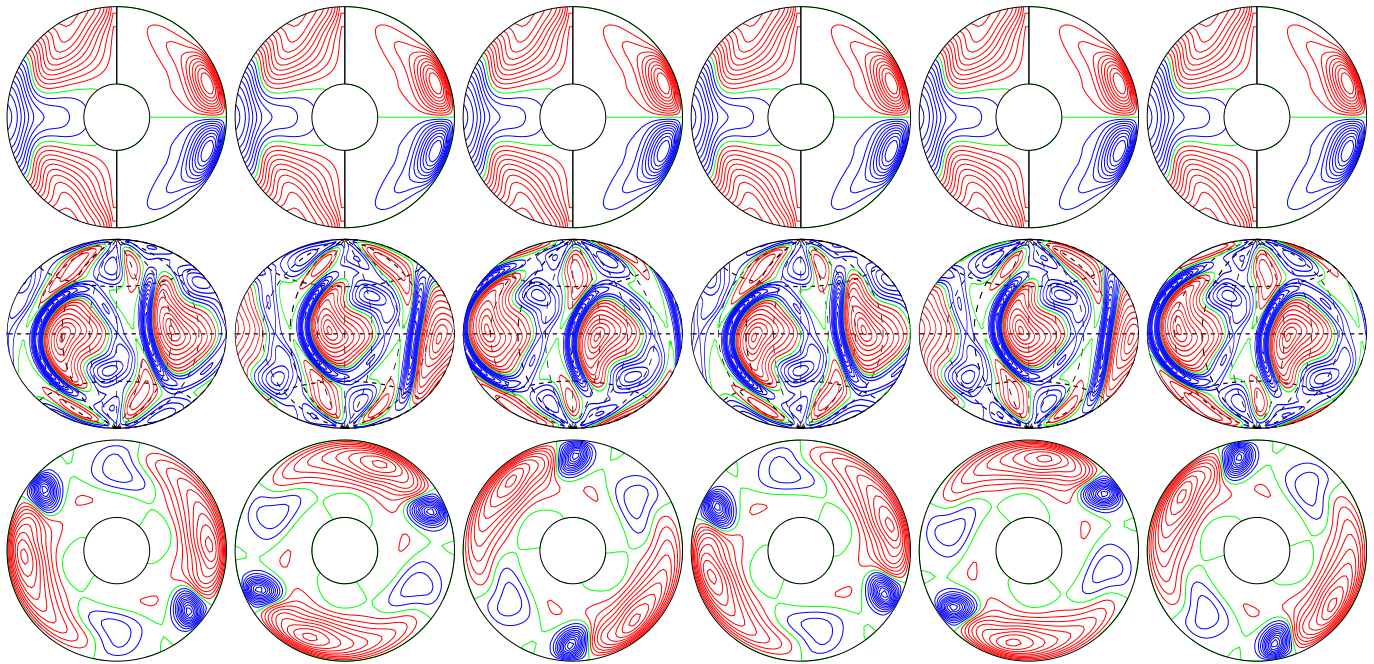


Nusselt Number

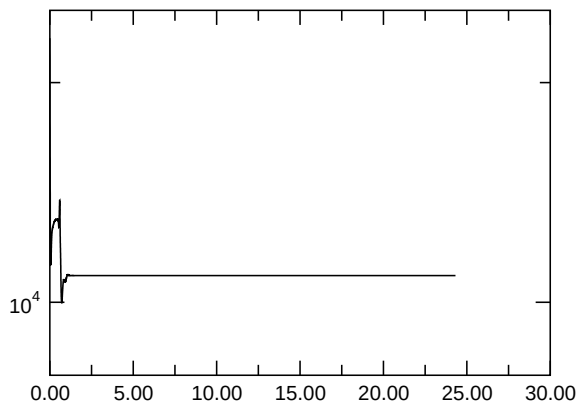


a.e03p1t03r-50000m1n2N2z9.0e4Ya.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

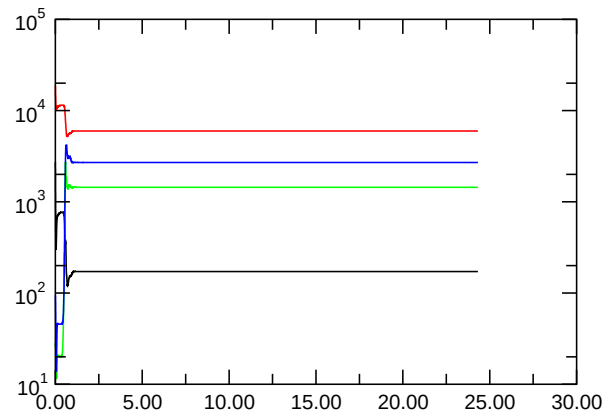
May 17, 2016



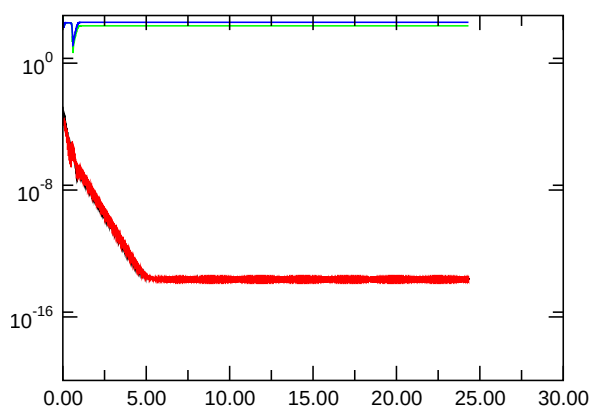
a.e03p1t03r-50000m1n2N2z9.0e4Ya
 E_{kin}



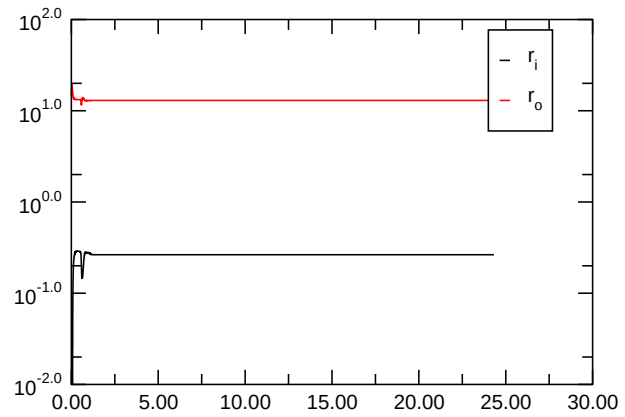
$E_{kin,symm.}$



$E_{kin,asymm.}$

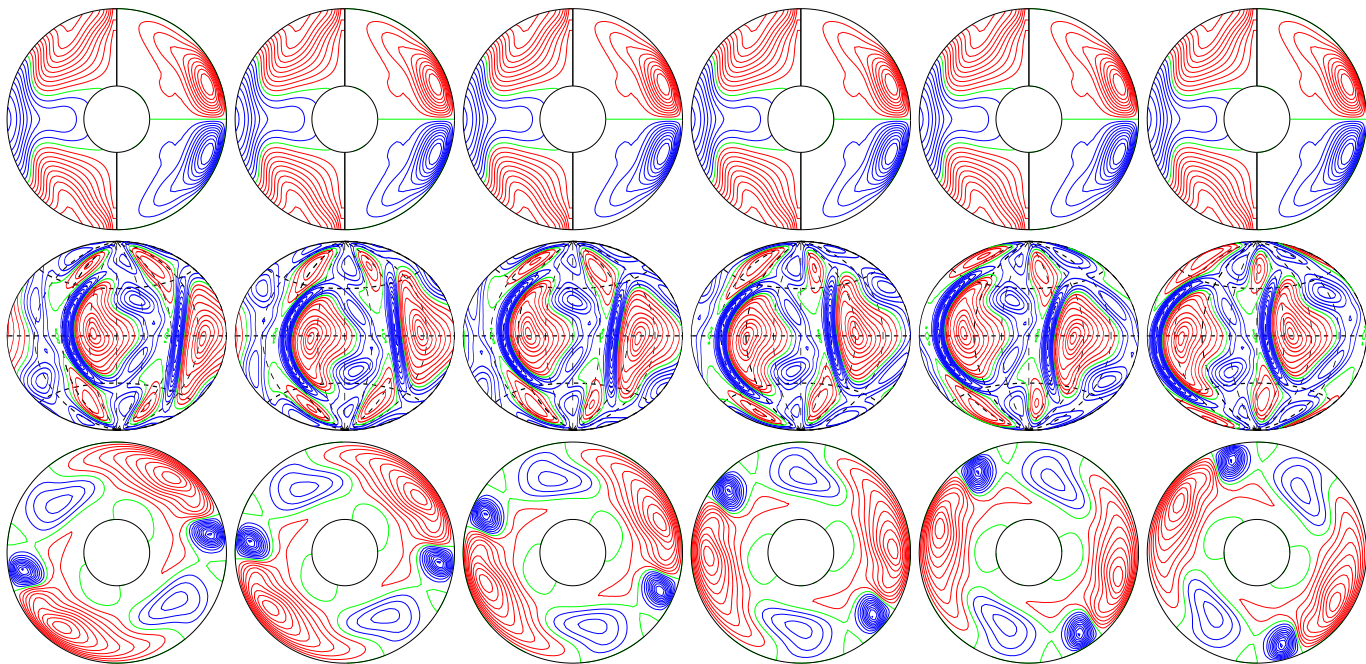


Nusselt Number

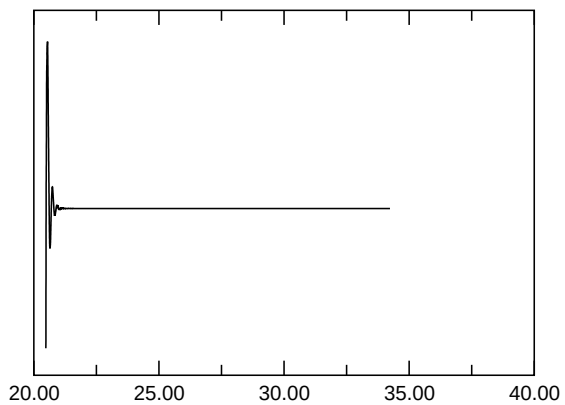


a.e03p1t03r-50000m1n2N2z9.5e4Yb.11
times: 26.88001 28.16001 29.44001 30.72001 32.00001 33.28001

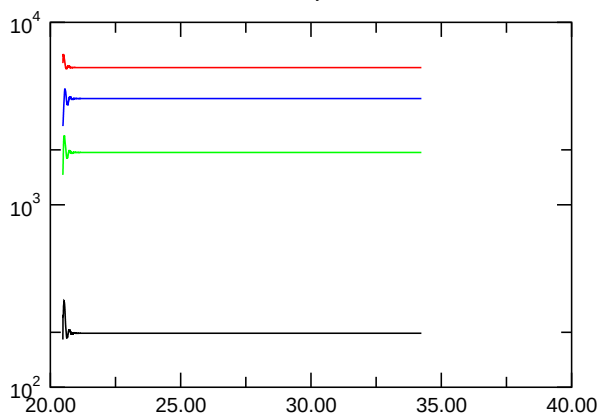
May 17, 2016



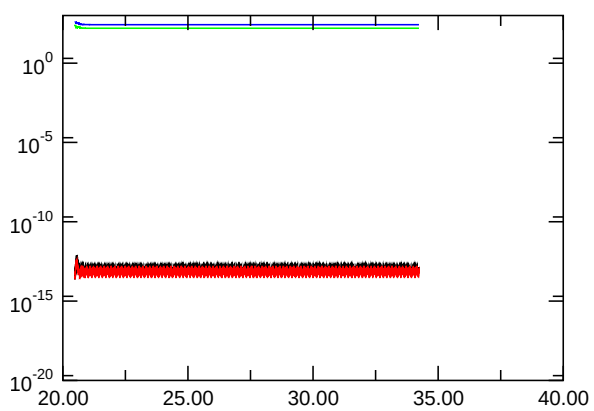
a.e03p1t03r-50000m1n2N2z9.5e4Yb
 E_{kin}



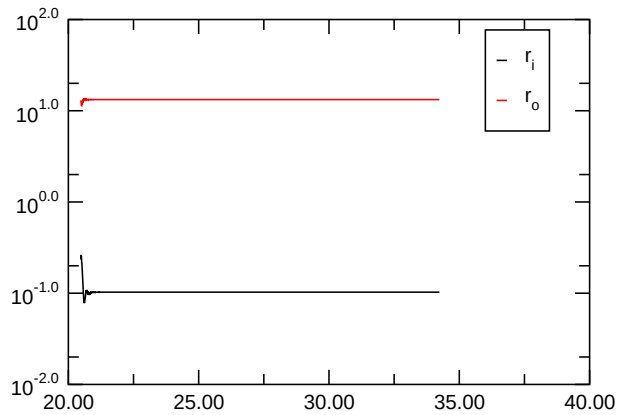
$E_{kin,symm.}$



$E_{kin,asymm.}$



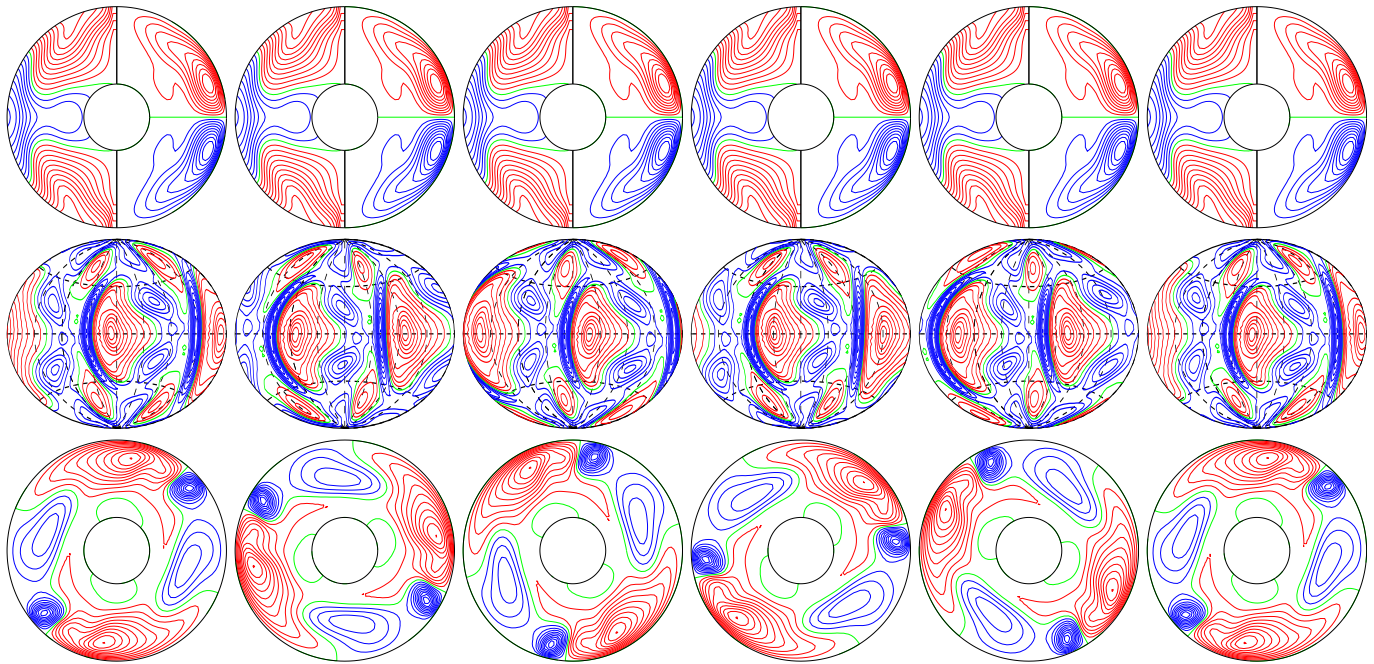
Nusselt Number



a.e03p1t03r-50000m1n2N2z1.0e5Y.17

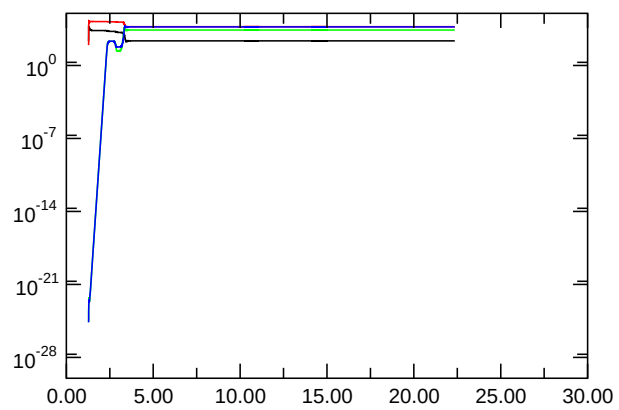
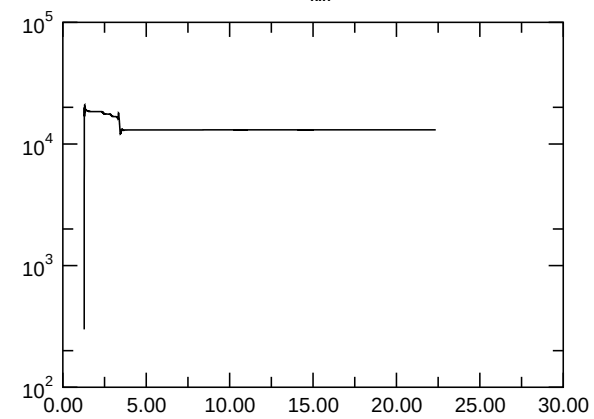
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

May 17, 2016



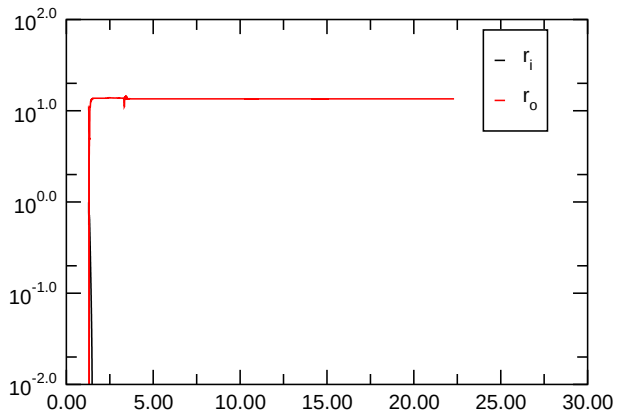
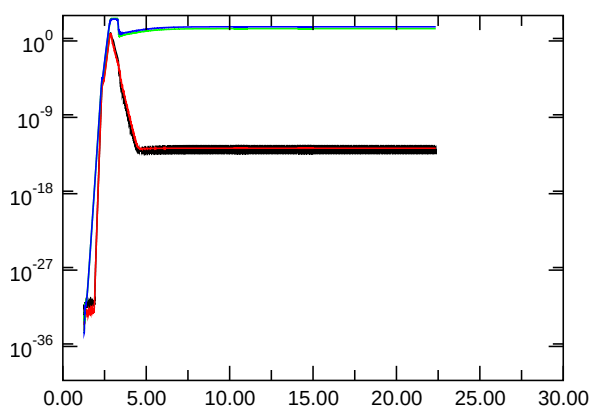
a.e03p1t03r-50000m1n2N2z1.0e5Y
 E_{kin}

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



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

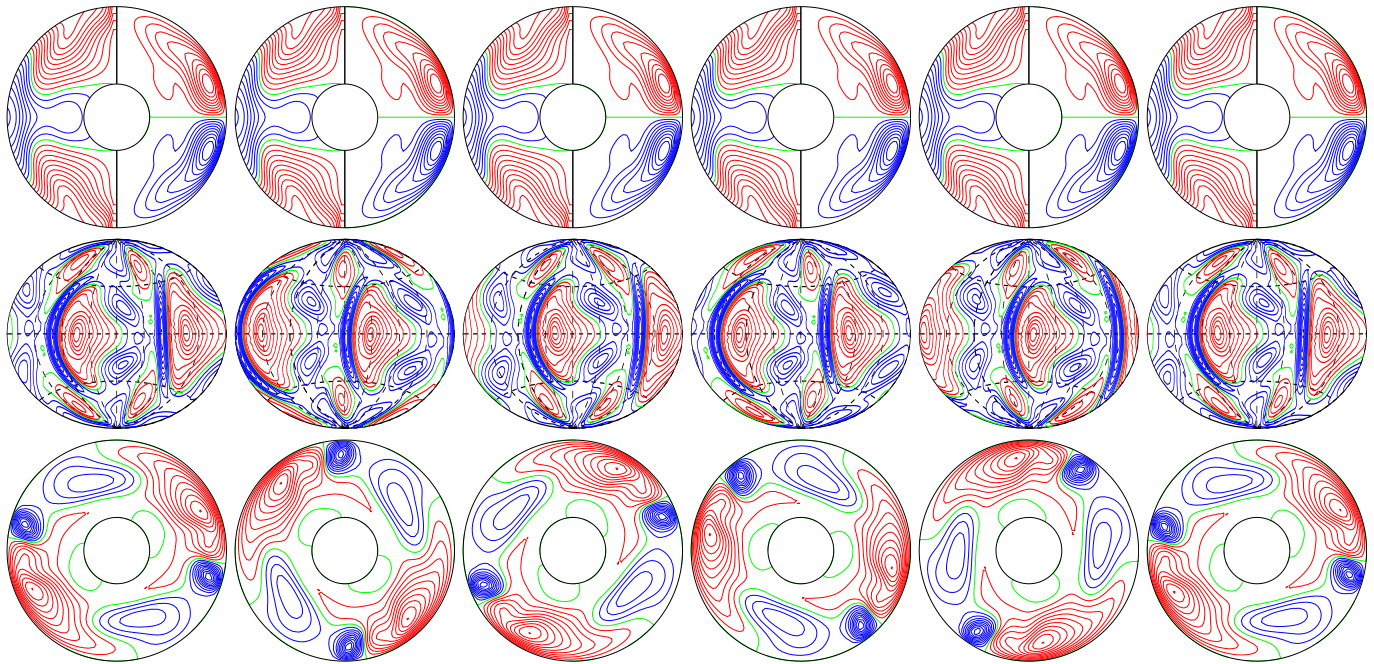
Nusselt Number



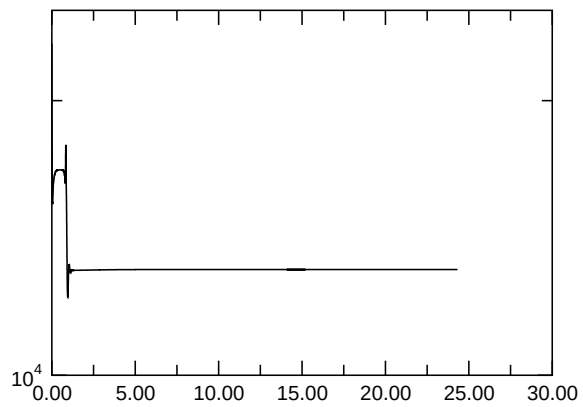
a.e03p1t03r-50000m1n2N2z1.0e5Ya.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

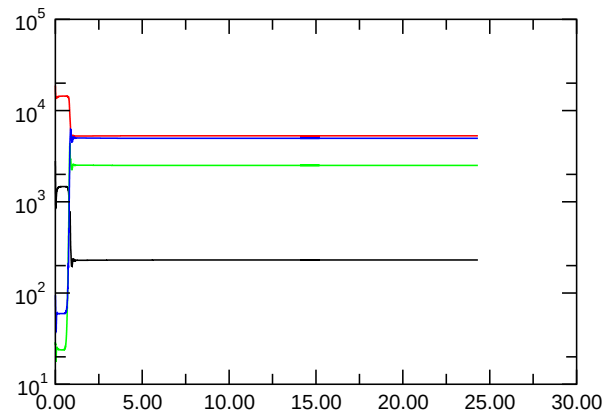
May 17, 2016



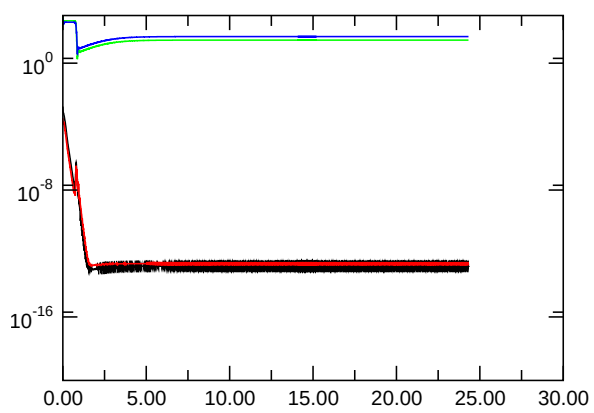
a.e03p1t03r-50000m1n2N2z1.0e5Ya
 E_{kin}



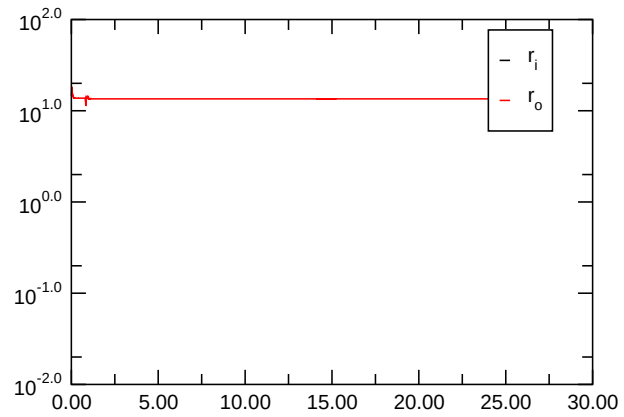
$E_{\text{kin,symm.}}$



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

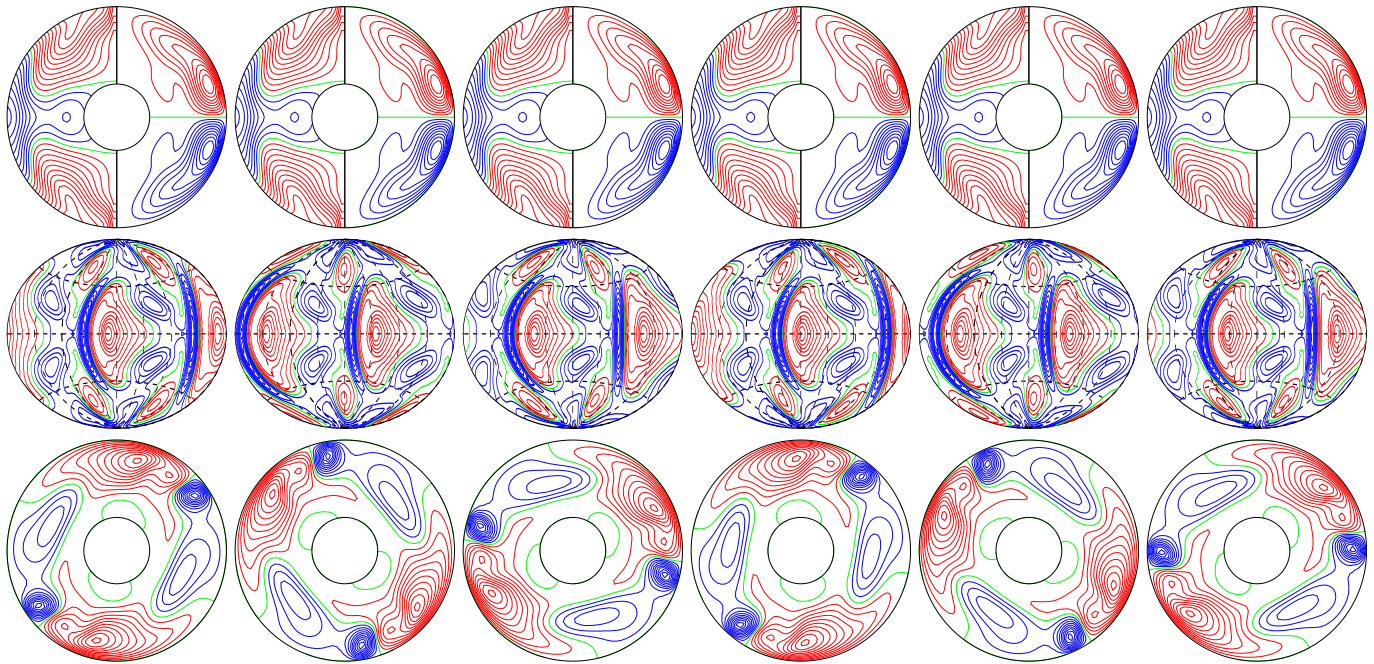


Nusselt Number



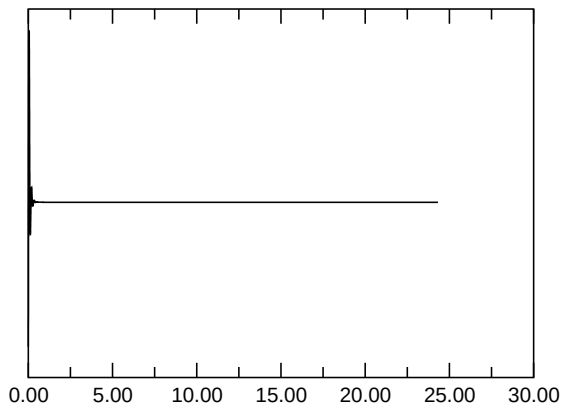
a.e03p1t03r-50000m1n2N2z1.05e5Yb.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

May 17, 2016

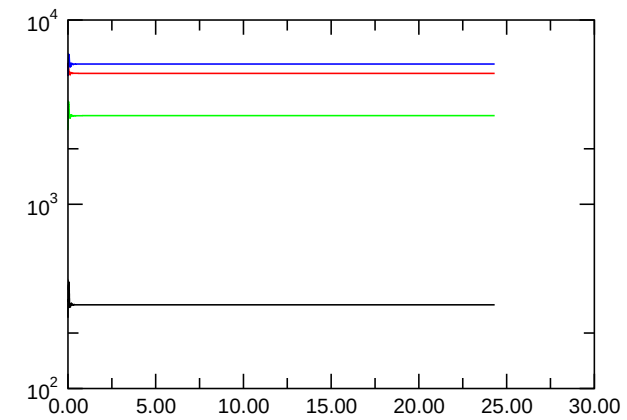


a.e03p1t03r-50000m1n2N2z1.05e5Yb

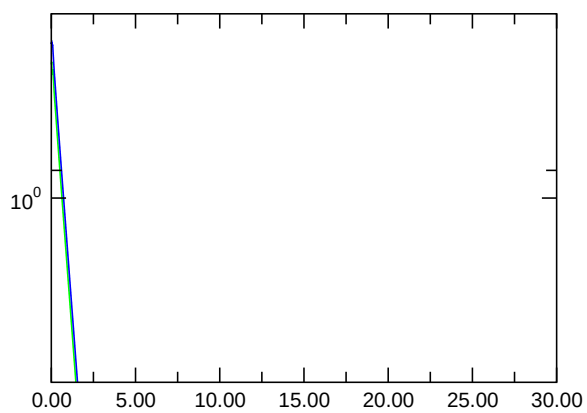
E_{kin}



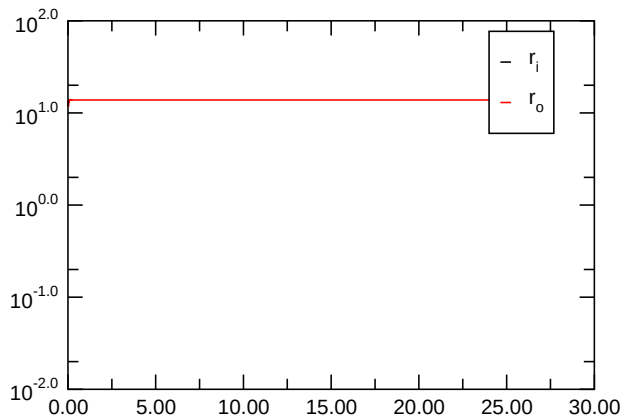
$E_{\text{kin,symm.}}$



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

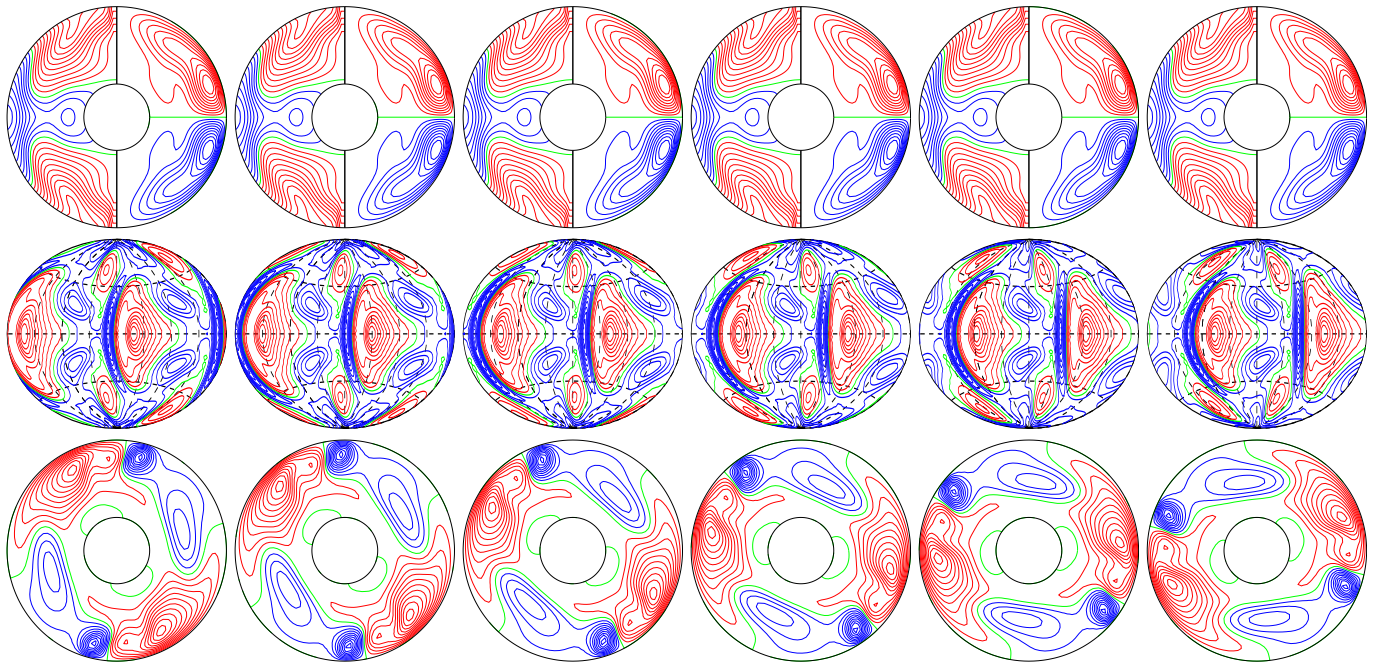


Nusselt Number

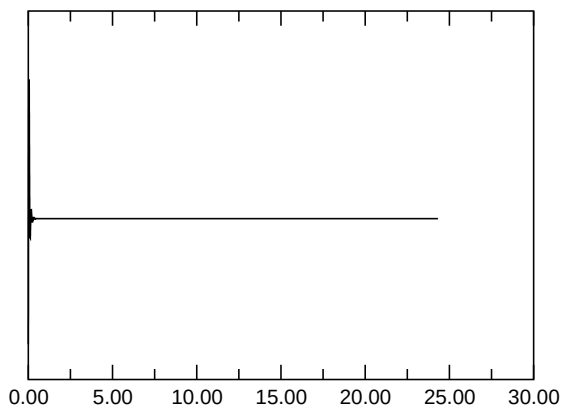


a.e03p1t03r-50000m1n2N2z1.1e5Yb.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

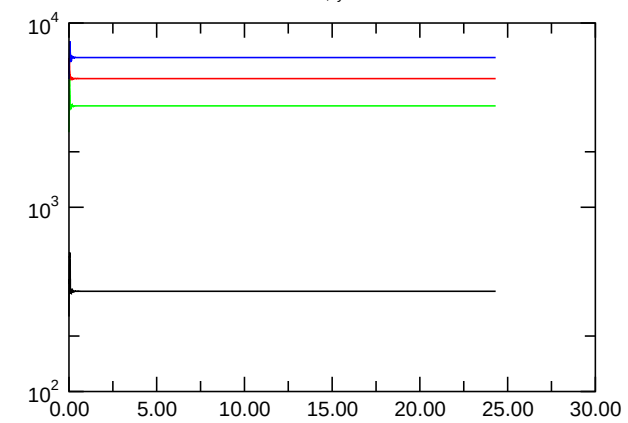
May 17, 2016



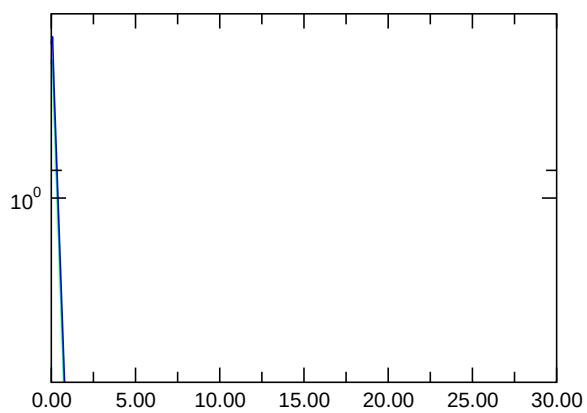
a.e03p1t03r-50000m1n2N2z1.1e5Yb
 E_{kin}



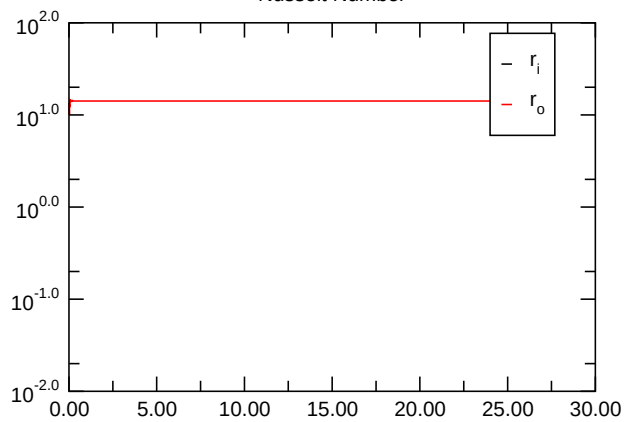
$E_{\text{kin,symm.}}$



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

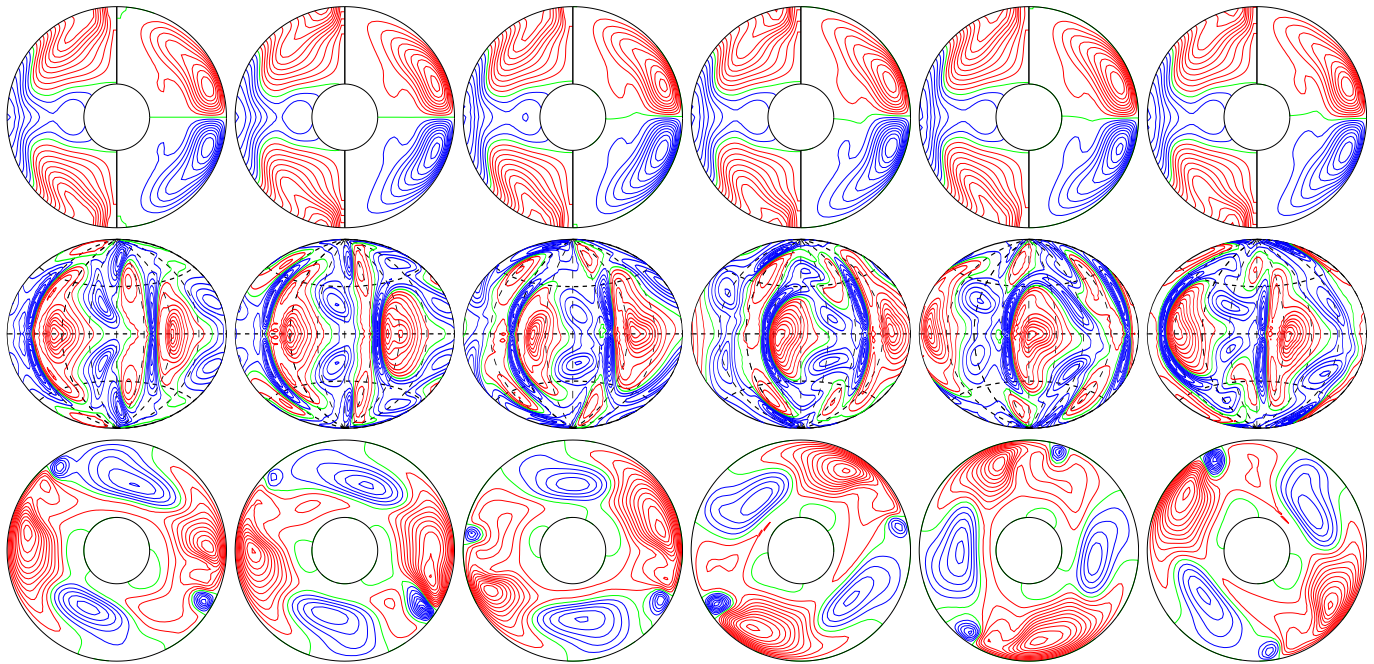


Nusselt Number



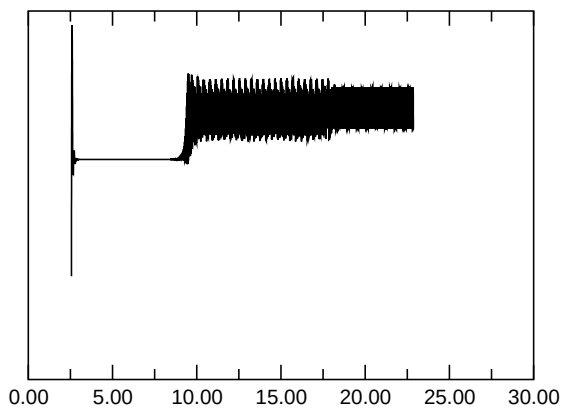
a.e03p1t03r-50000m1n2N2z1.15e5Yb.16
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

May 17, 2016

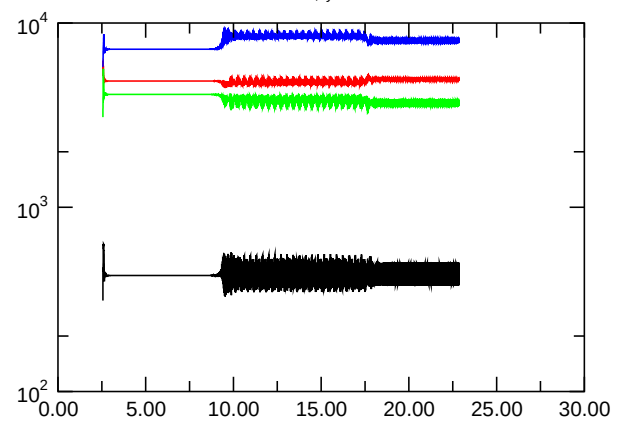


a.e03p1t03r-50000m1n2N2z1.15e5Yb

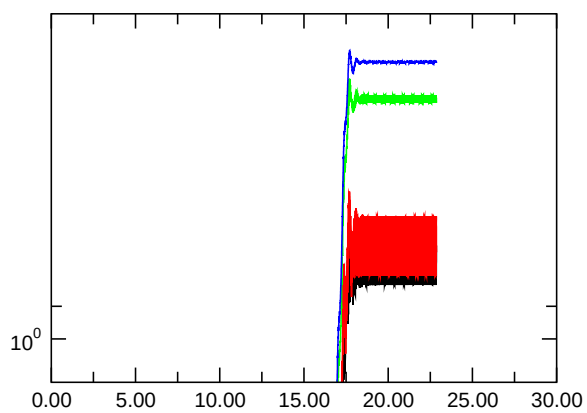
E_{kin}



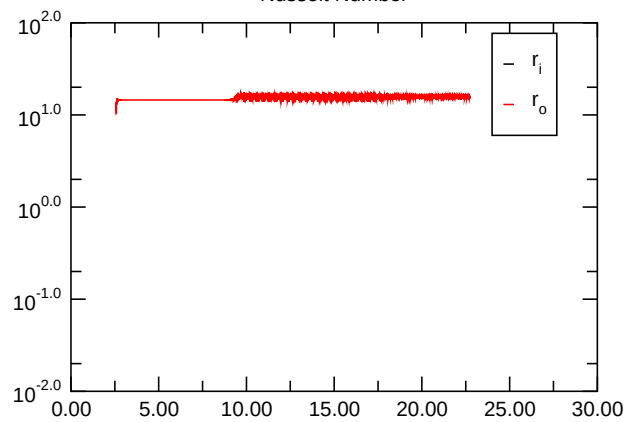
$E_{\text{kin,symm.}}$



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



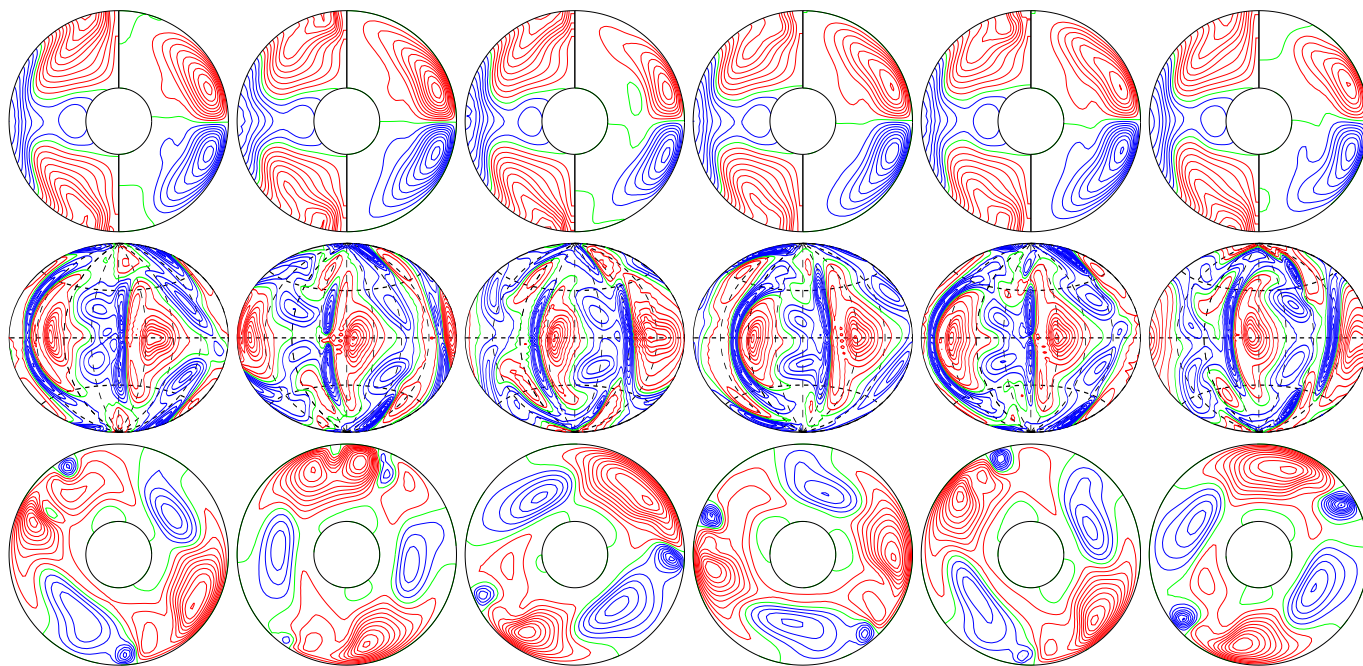
Nusselt Number



a.e03p1t03r-50000m1n2N2z1.2e5Yb.17

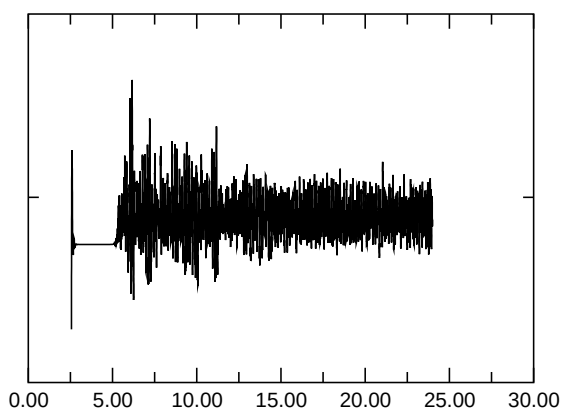
times: 16.64001 17.92001 19.20001 20.48001 21.76001 23.04001

May 17, 2016

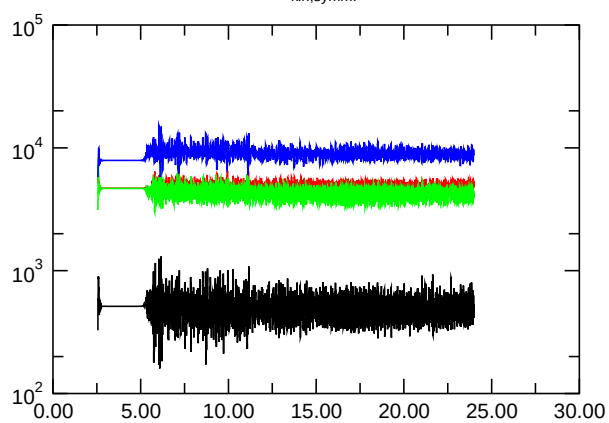


a.e03p1t03r-50000m1n2N2z1.2e5Yb

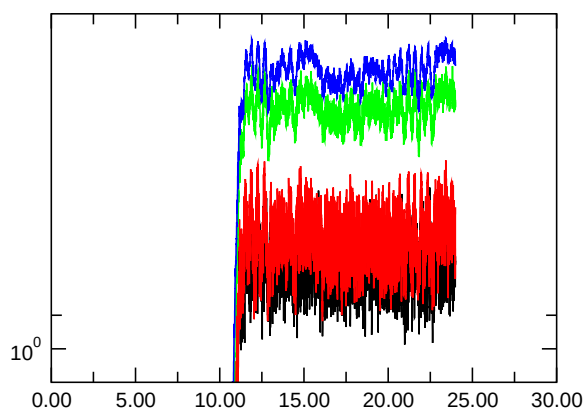
E_{kin}



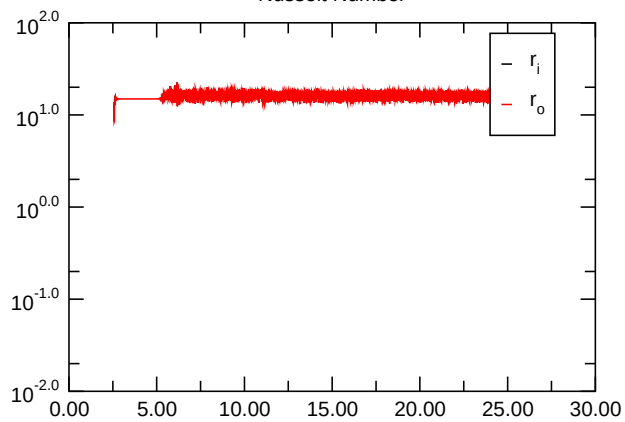
$E_{\text{kin,symm.}}$



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

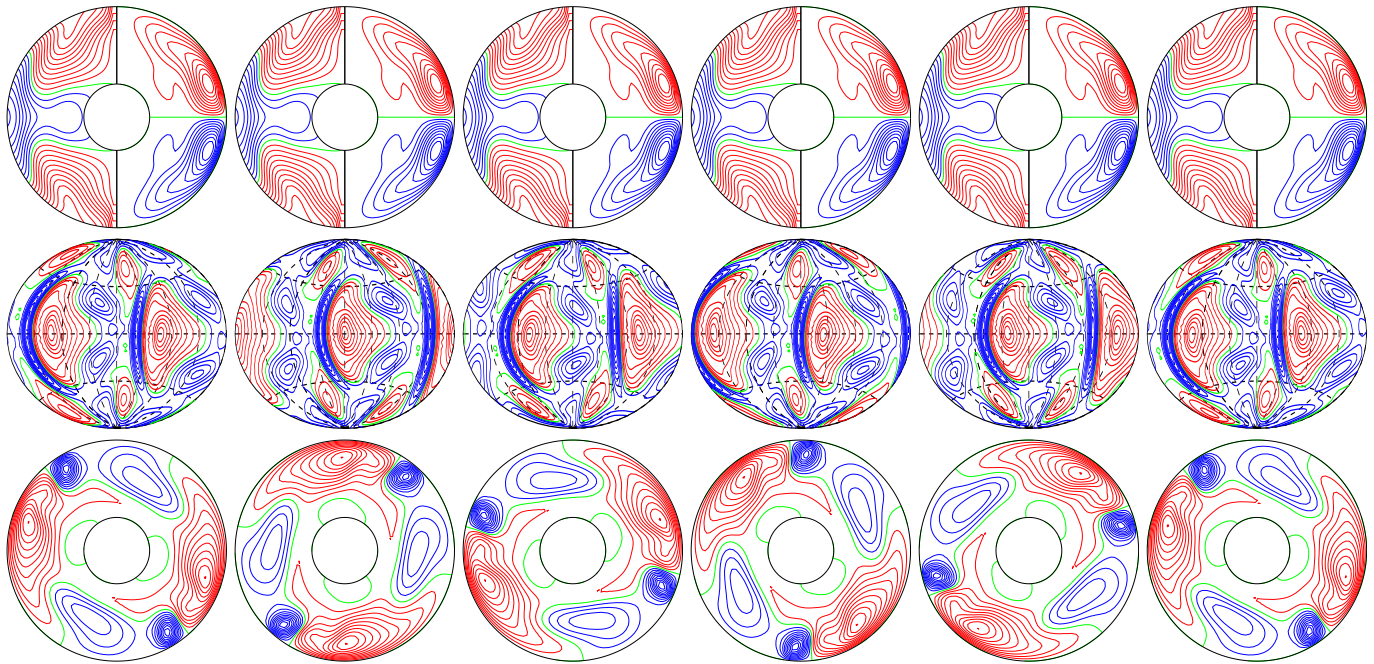


Nusselt Number

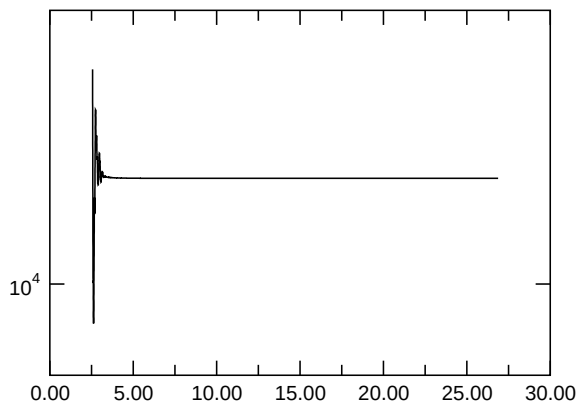


a.e03p1t03r-50000m1n2N2z1.0e5Yaa.20
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

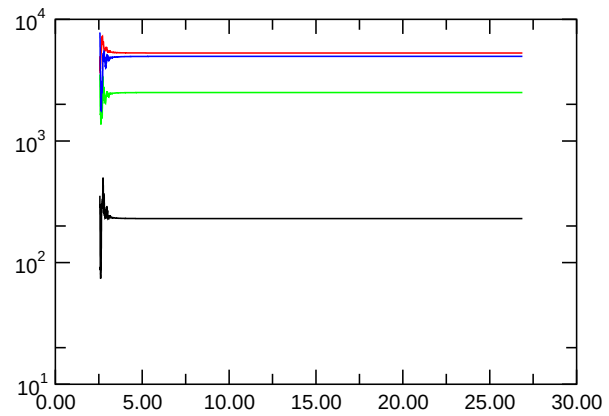
May 17, 2016



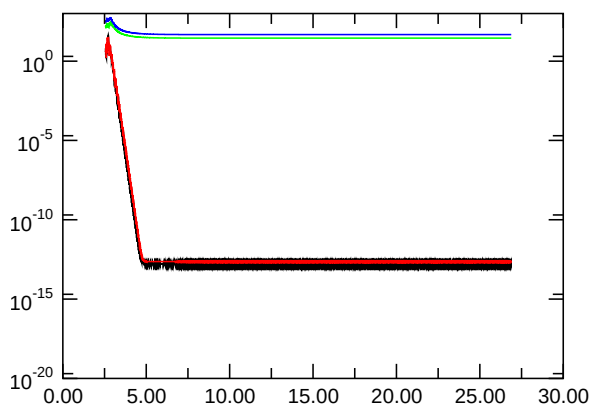
a.e03p1t03r-50000m1n2N2z1.0e5Yaa
 E_{kin}



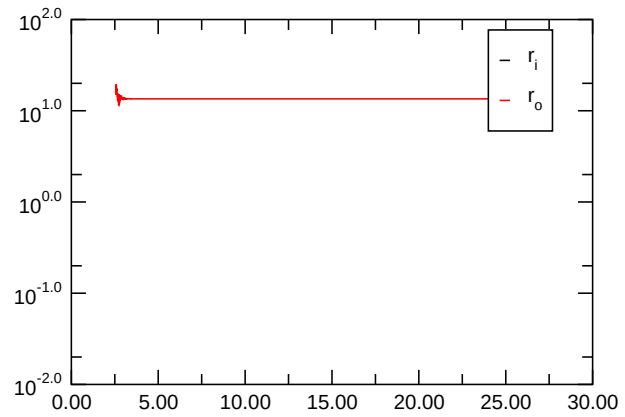
$E_{\text{kin,symm.}}$



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

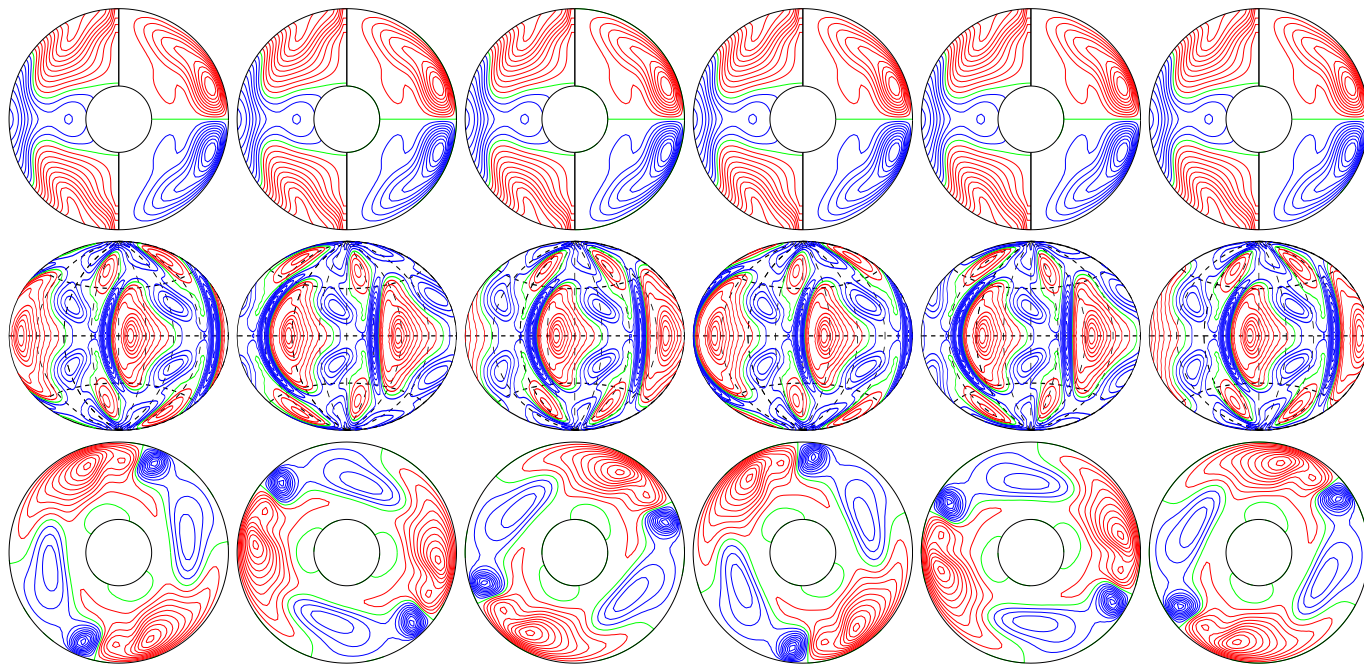


Nusselt Number



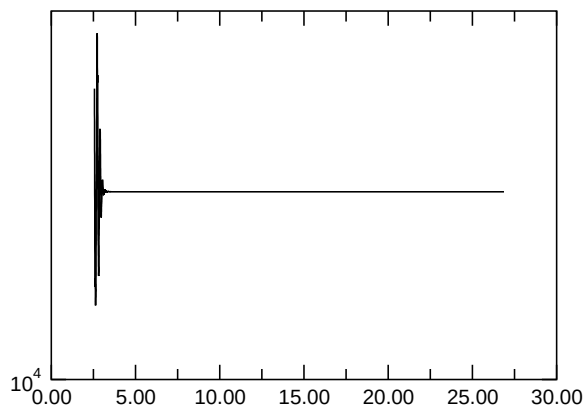
a.e03p1t03r-50000m1n2N2z1.05e5Ya.20
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

May 17, 2016

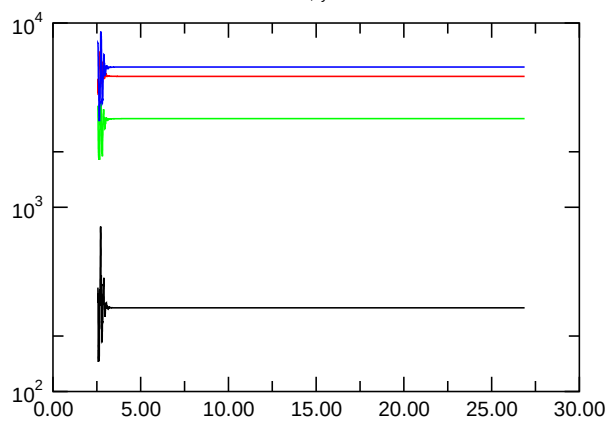


a.e03p1t03r-50000m1n2N2z1.05e5Ya

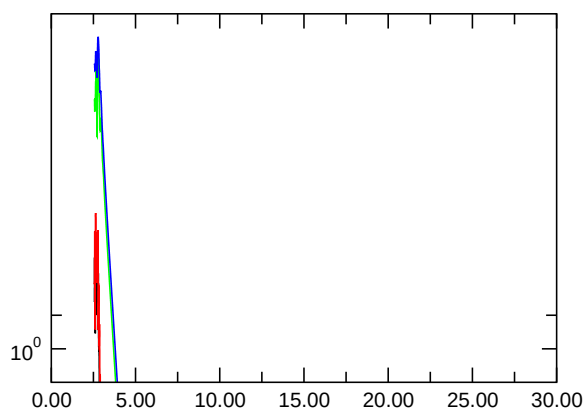
E_{kin}



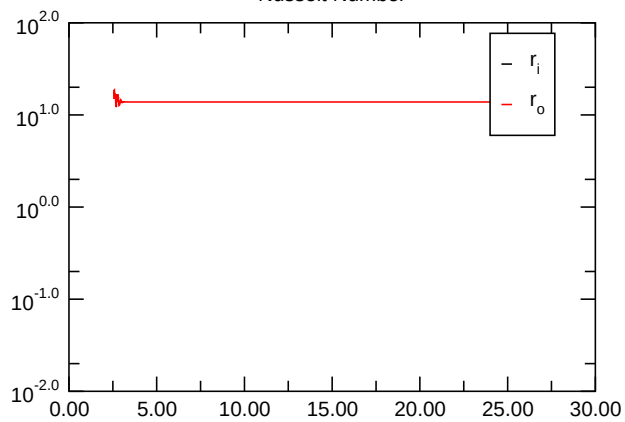
$E_{\text{kin,symm.}}$



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

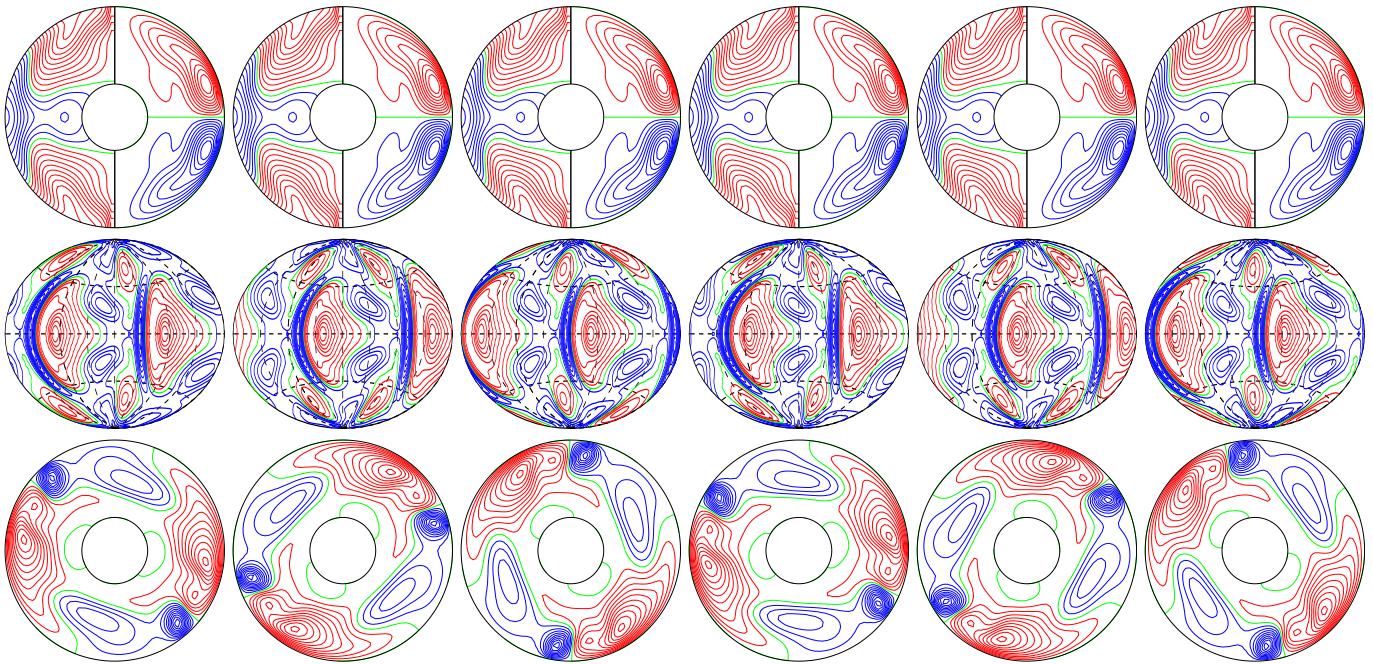


Nusselt Number



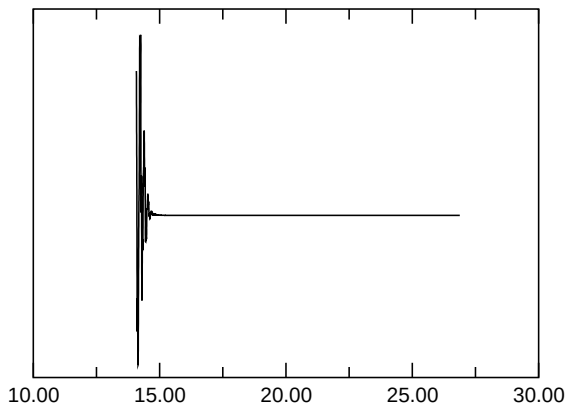
a.e03p1t03r-50000m1n2N2z1.05e5YaA.11
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

May 17, 2016

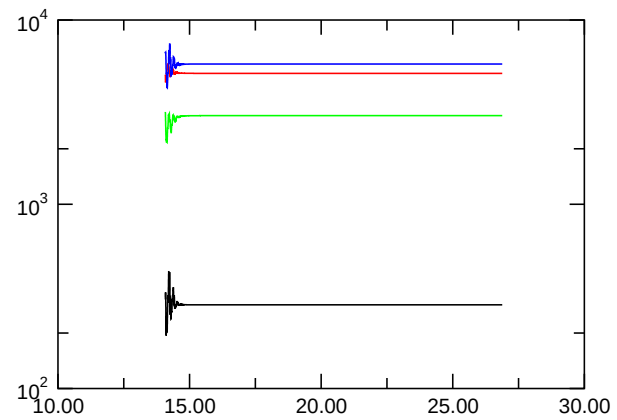


a.e03p1t03r-50000m1n2N2z1.05e5YaA

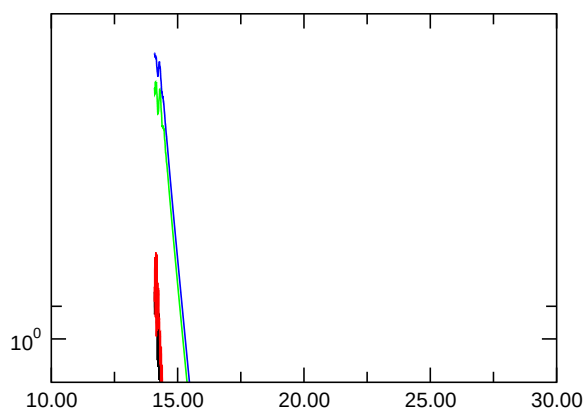
E_{kin}



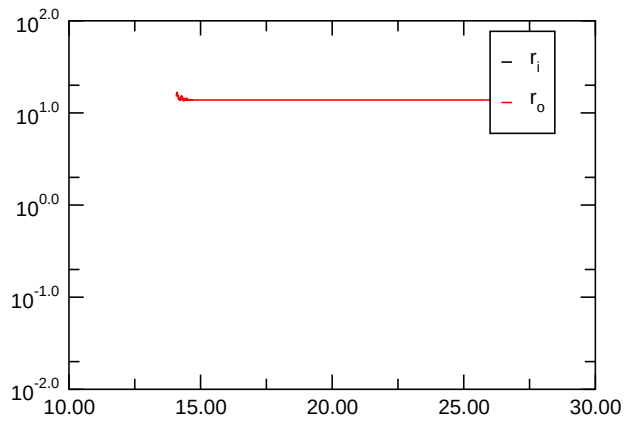
$E_{\text{kin,symm.}}$



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

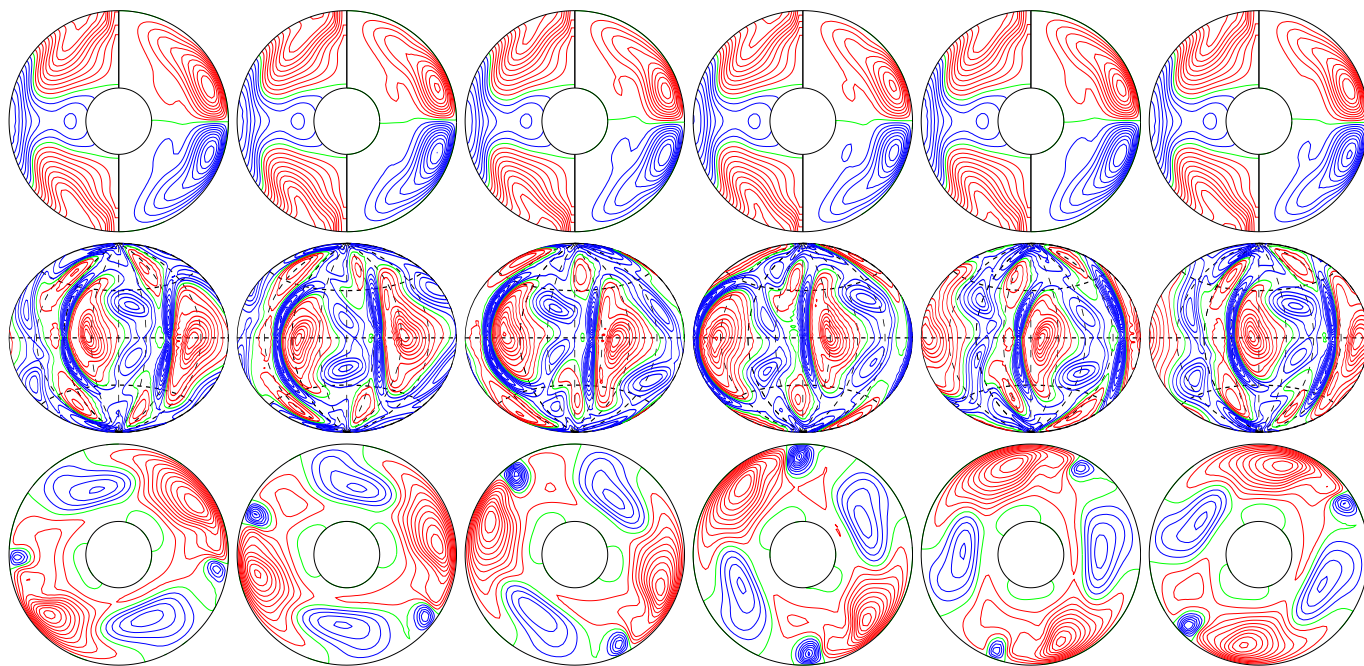


Nusselt Number

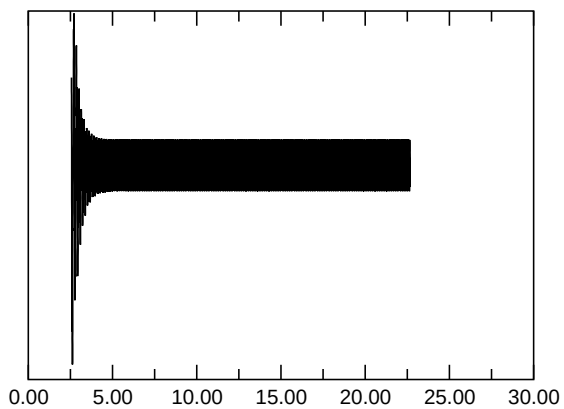


a.e03p1t03r-50000m1n2N2z1.1e5Ya.16
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

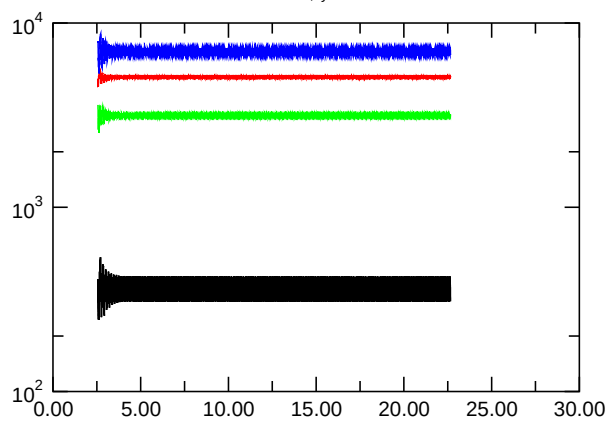
May 17, 2016



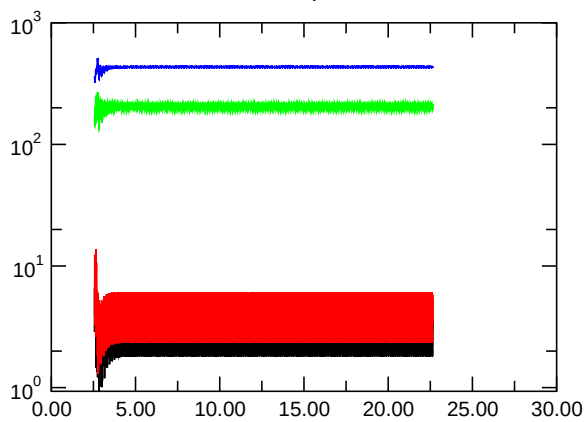
a.e03p1t03r-50000m1n2N2z1.1e5Ya
 E_{kin}



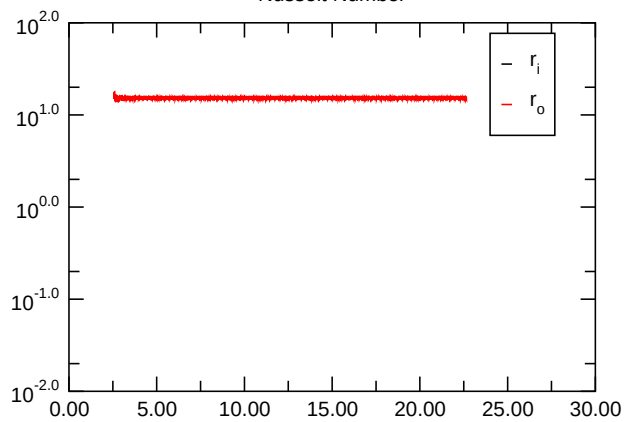
$E_{\text{kin,symm.}}$



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



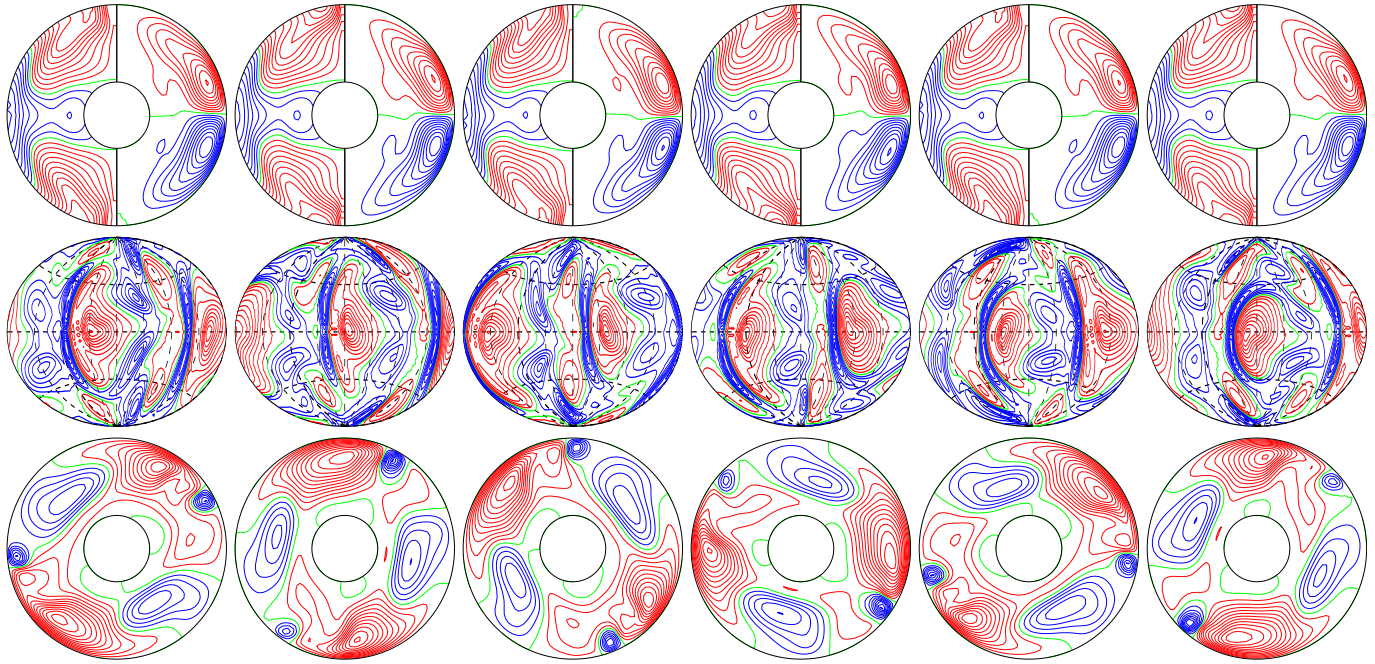
Nusselt Number



a.e03p1t03r-50000m1n2N2z1.15e5Ya.19

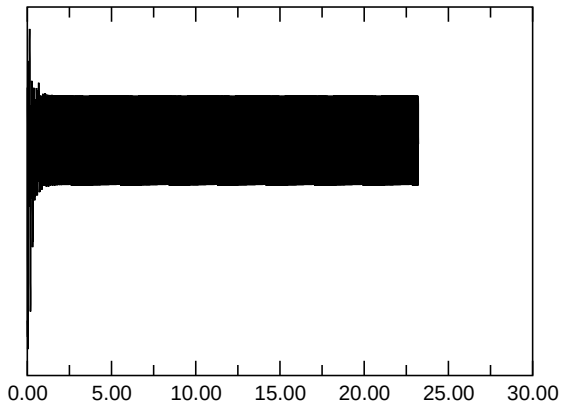
times: 16.64001 17.92001 19.20001 20.48001 21.76001 23.04001

May 17, 2016

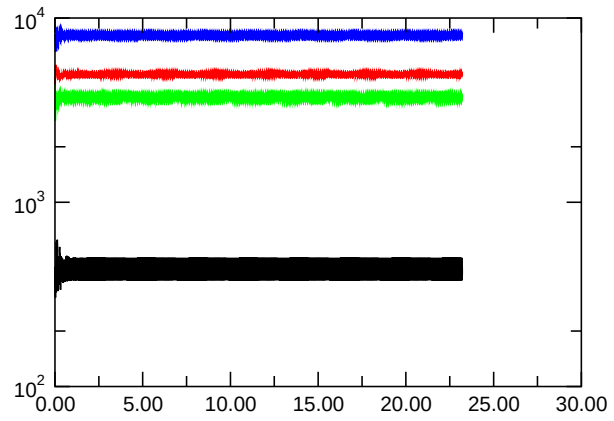


a.e03p1t03r-50000m1n2N2z1.15e5Ya

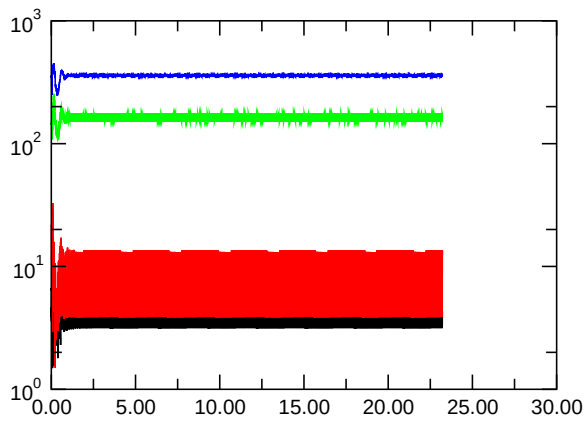
E_{kin}



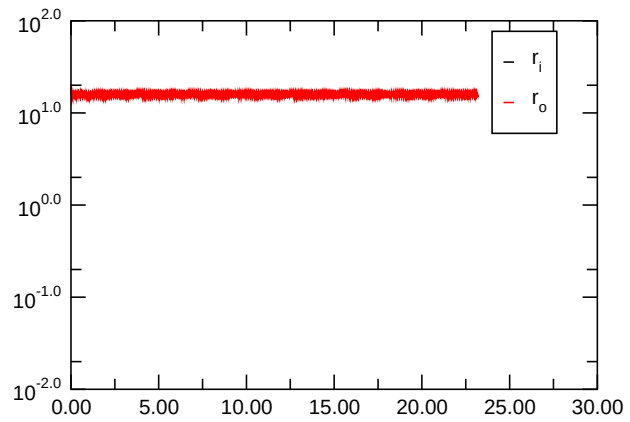
$E_{\text{kin,symm.}}$



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

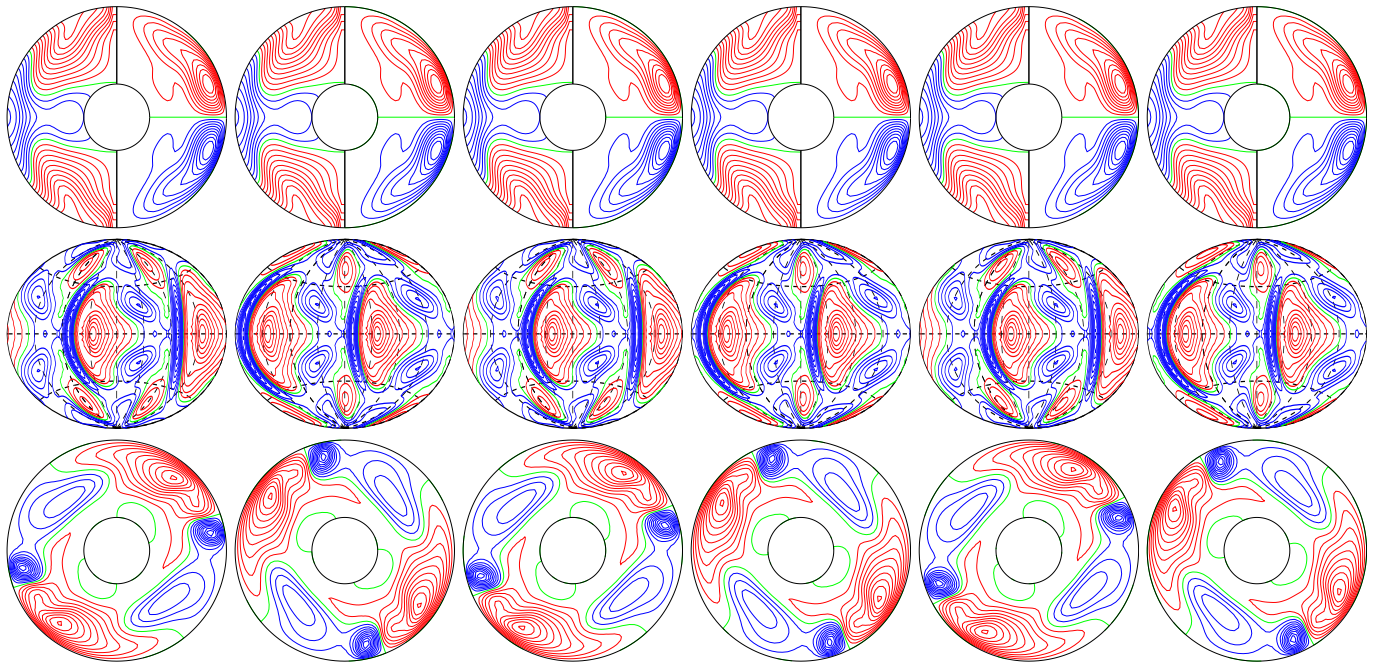


Nusselt Number

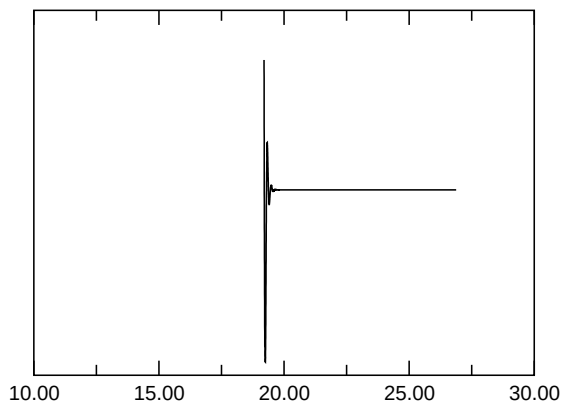


a.e03p1t03r-50000m1n2N2z1.02e5YbA.7
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

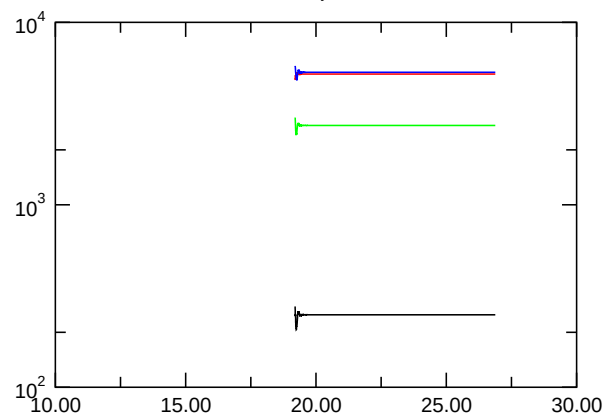
May 17, 2016



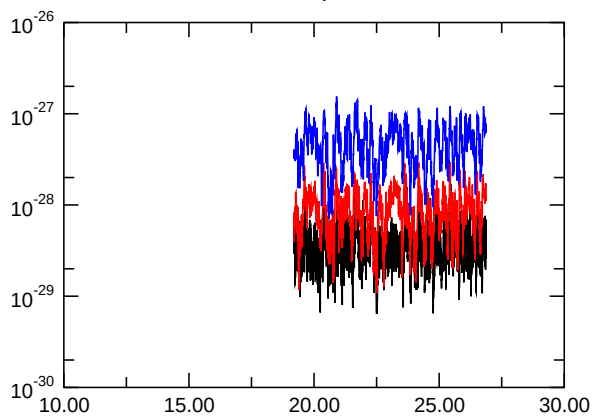
a.e03p1t03r-50000m1n2N2z1.02e5YbA
 E_{kin}



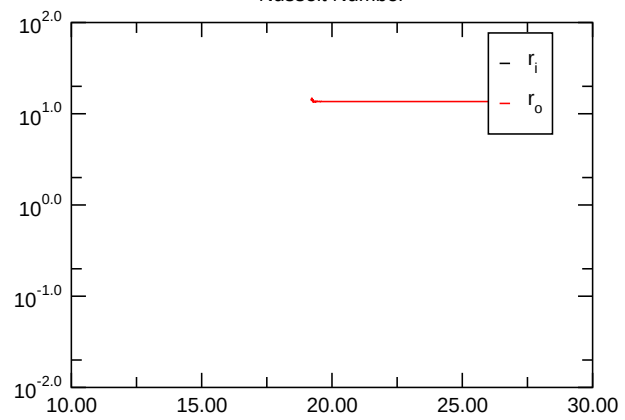
$E_{\text{kin,symm.}}$



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

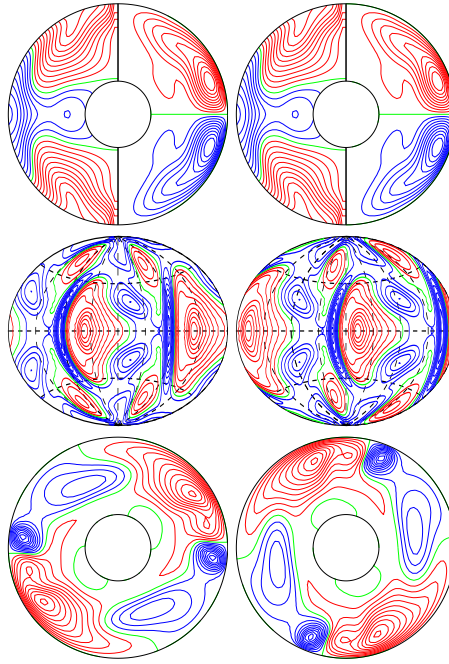


Nusselt Number

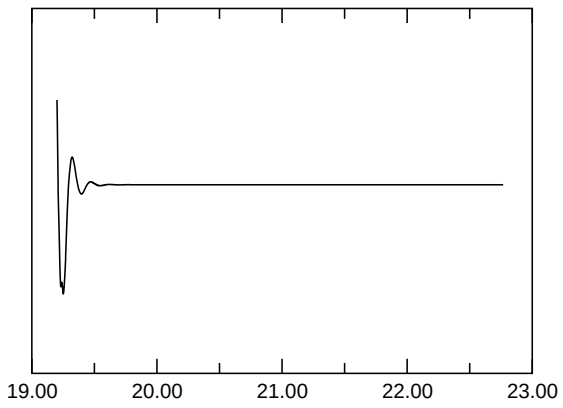


a.e03p1t03r-50000m1n2N2z1.04e5YbA.3
times: 20.48001 21.76001

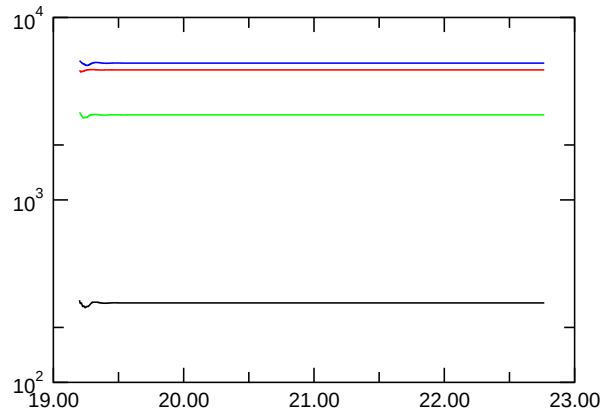
May 17, 2016



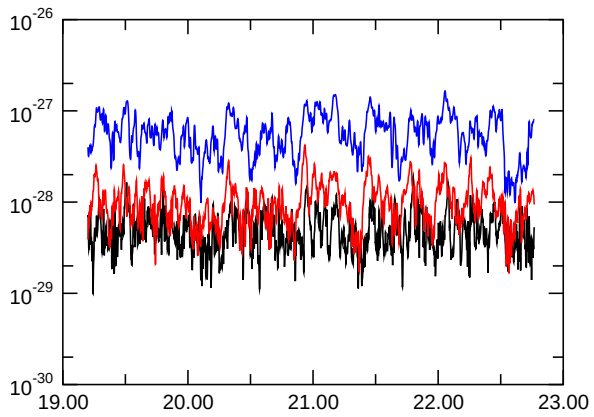
a.e03p1t03r-50000m1n2N2z1.04e5YbA
 E_{kin}



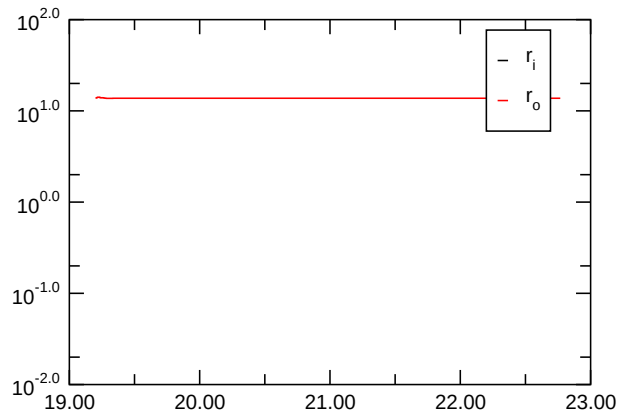
$E_{\text{kin,symm.}}$



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

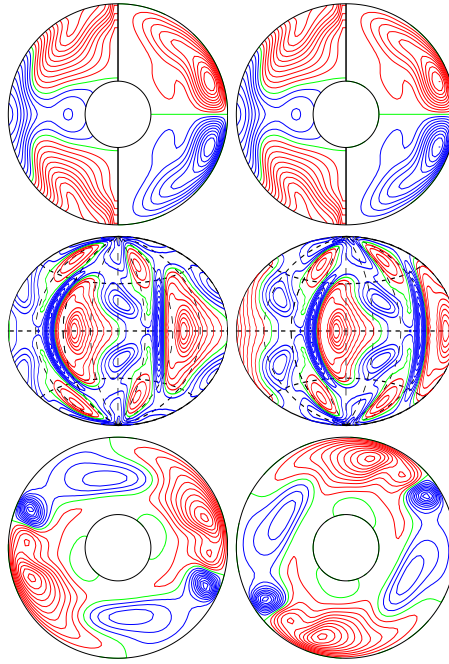


Nusselt Number

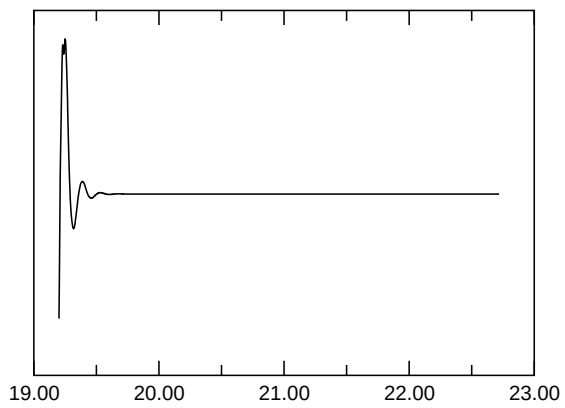


a.e03p1t03r-50000m1n2N2z1.06e5YbB.3
times: 20.48001 21.76001

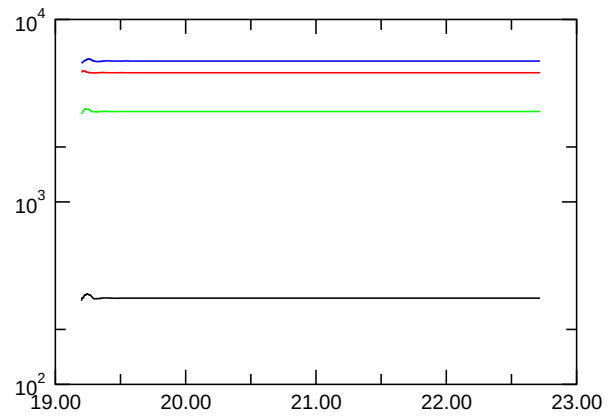
May 17, 2016



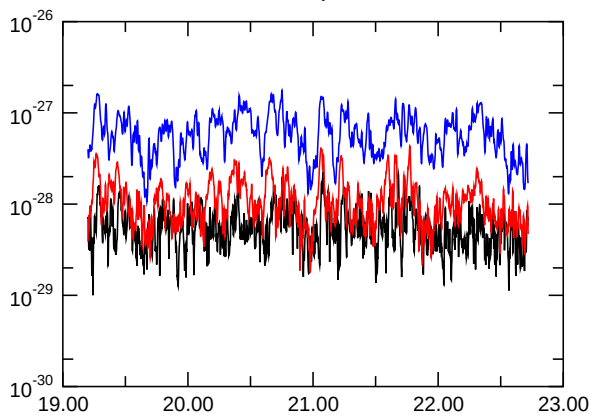
a.e03p1t03r-50000m1n2N2z1.06e5YbB
 E_{kin}



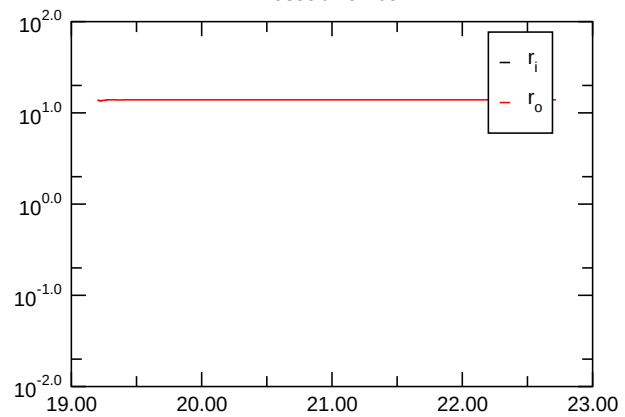
$E_{\text{kin,symm.}}$



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

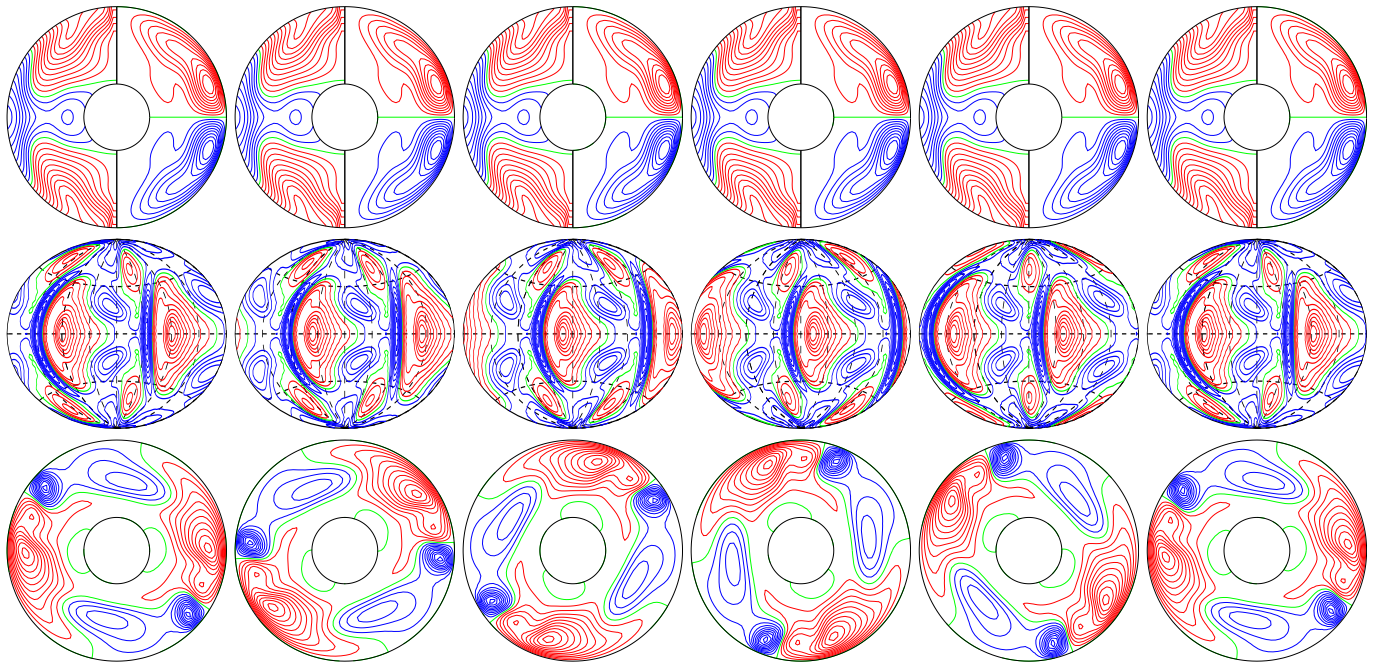


Nusselt Number

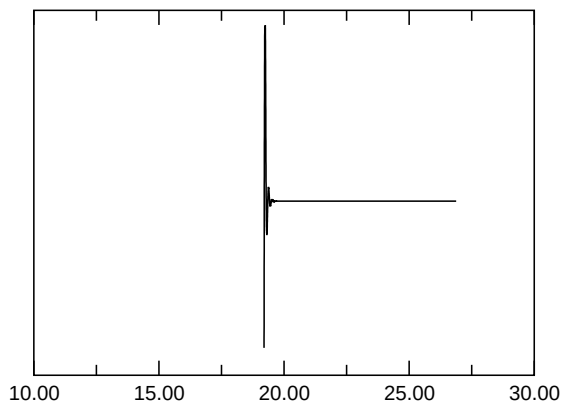


a.e03p1t03r-50000m1n2N2z1.08e5YbB.7
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

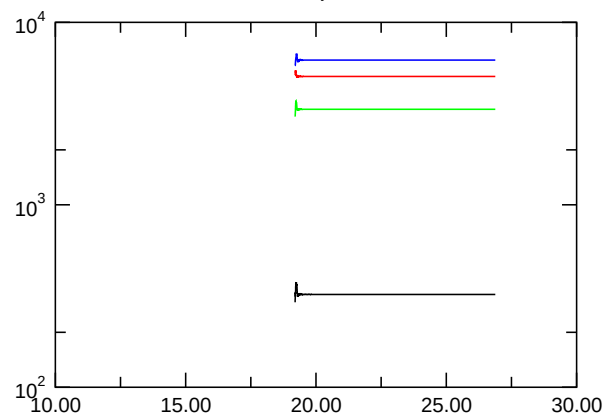
May 17, 2016



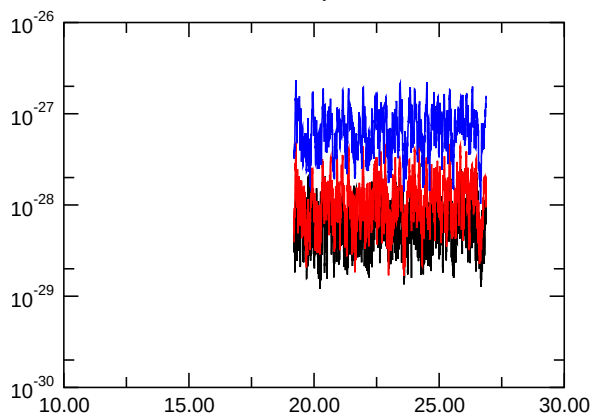
a.e03p1t03r-50000m1n2N2z1.08e5YbB
 E_{kin}



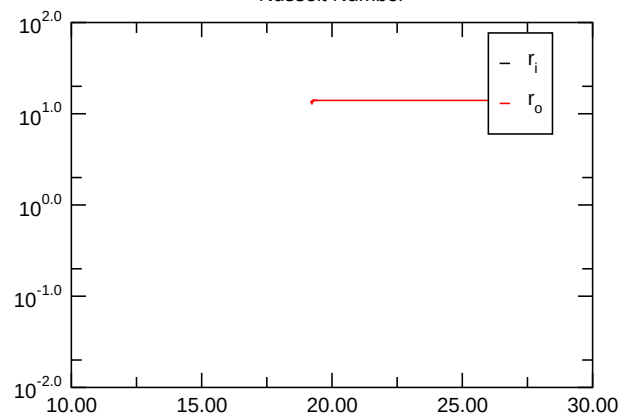
$E_{\text{kin,symm.}}$



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

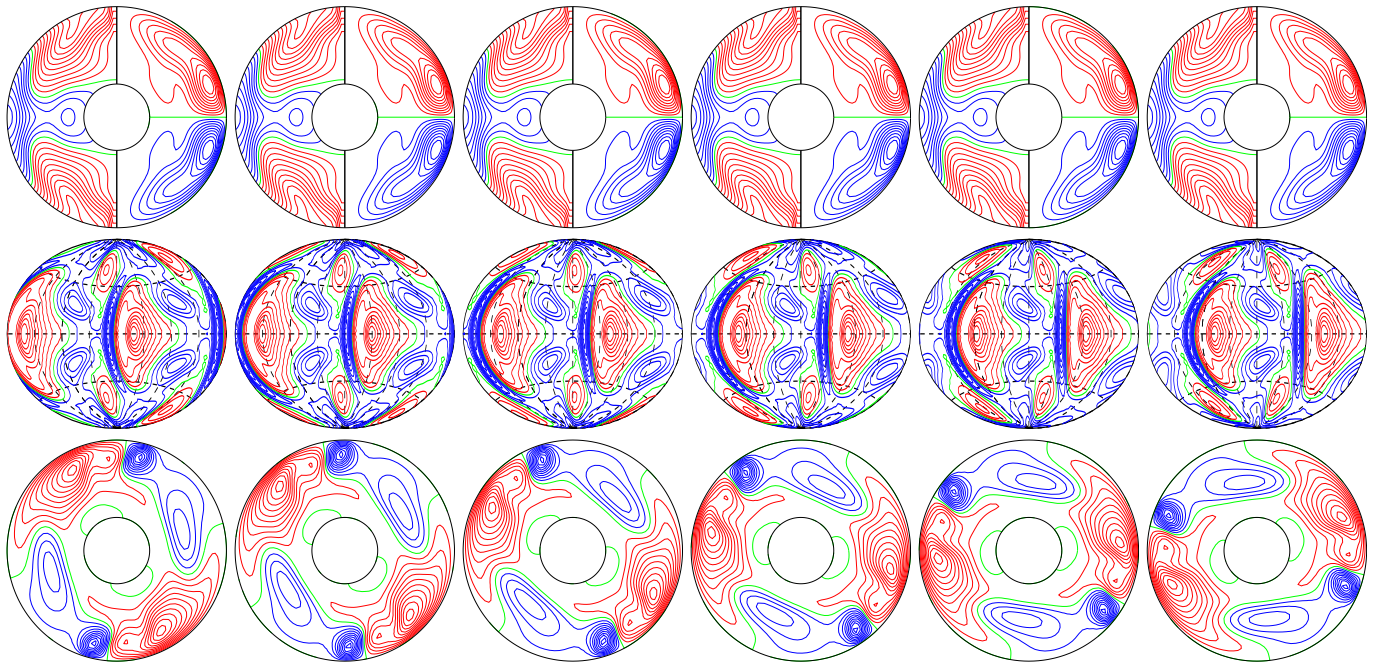


Nusselt Number

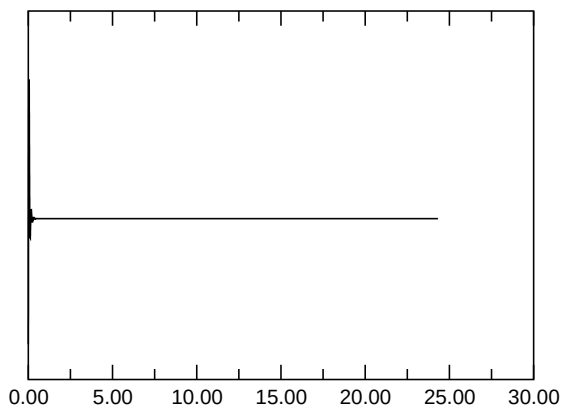


a.e03p1t03r-50000m1n2N2z1.1e5Yb.20
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

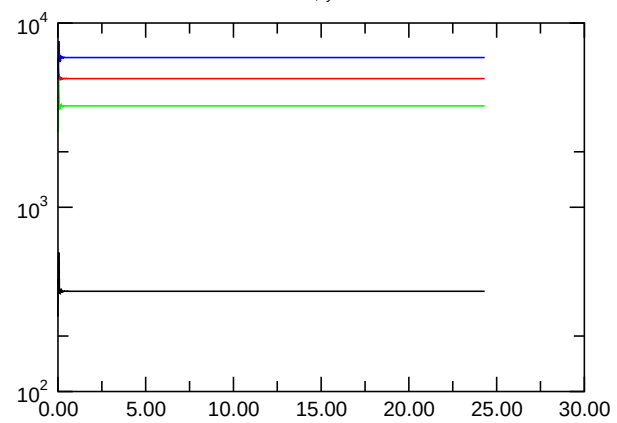
May 17, 2016



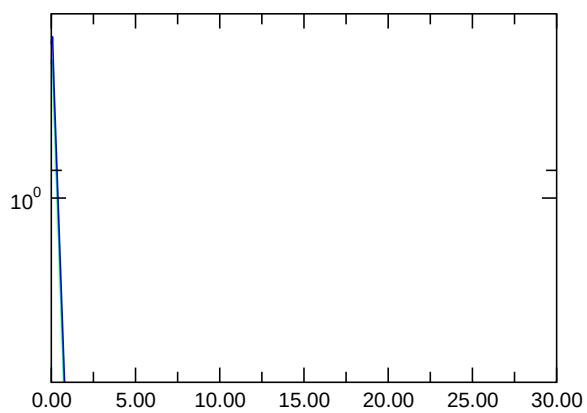
a.e03p1t03r-50000m1n2N2z1.1e5Yb
 E_{kin}



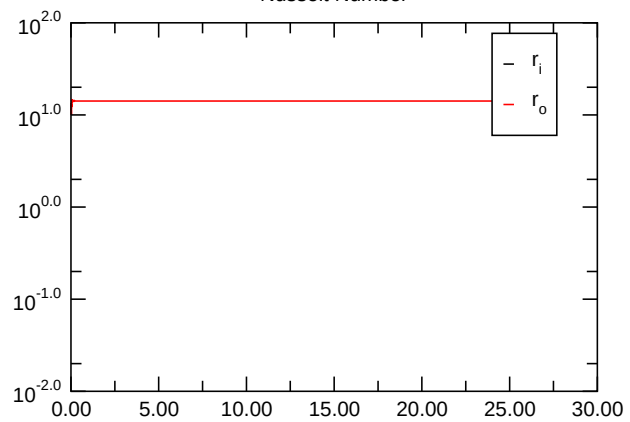
$E_{\text{kin,symm.}}$



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

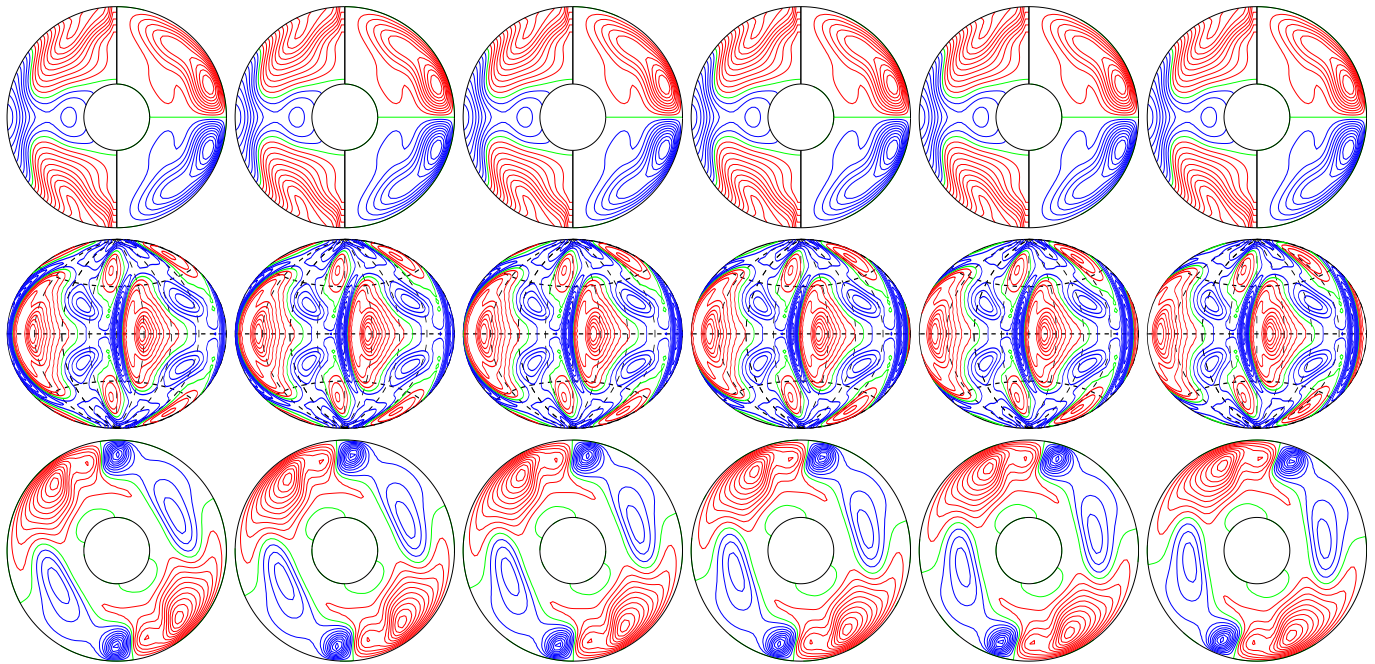


Nusselt Number

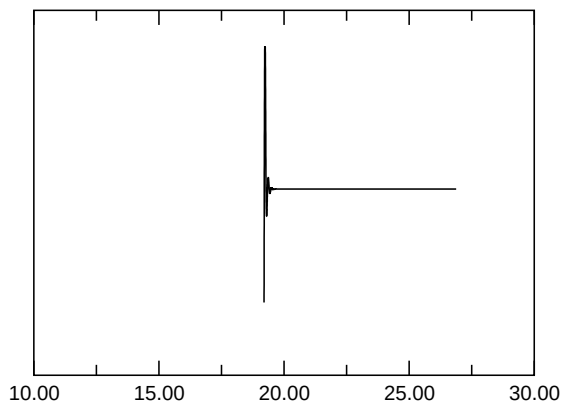


a.e03p1t03r-50000m1n2N2z1.12e5YbB.7
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

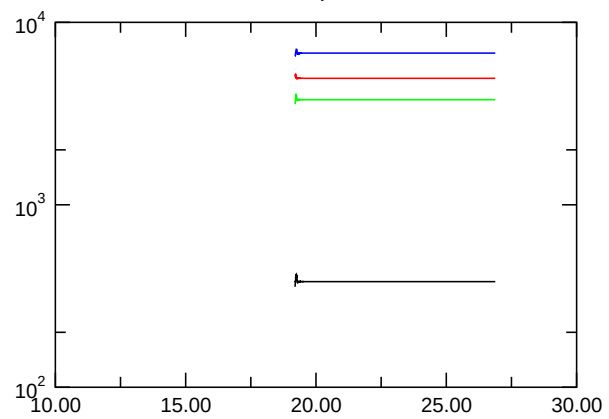
May 17, 2016



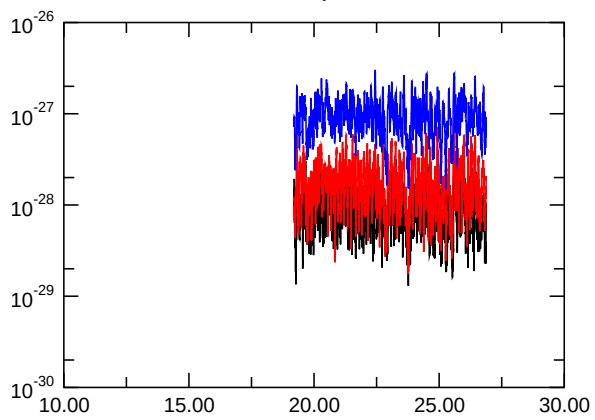
a.e03p1t03r-50000m1n2N2z1.12e5YbB
 E_{kin}



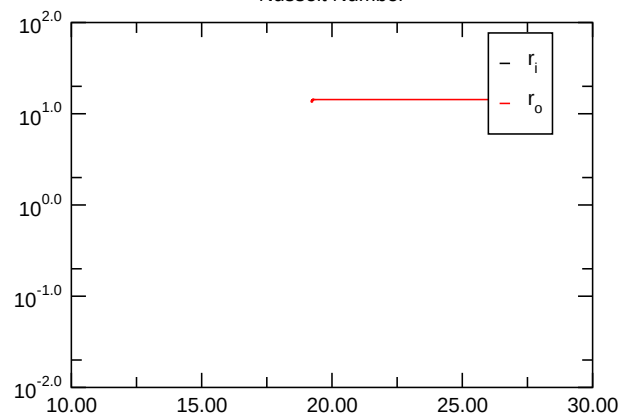
$E_{\text{kin,symm.}}$



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

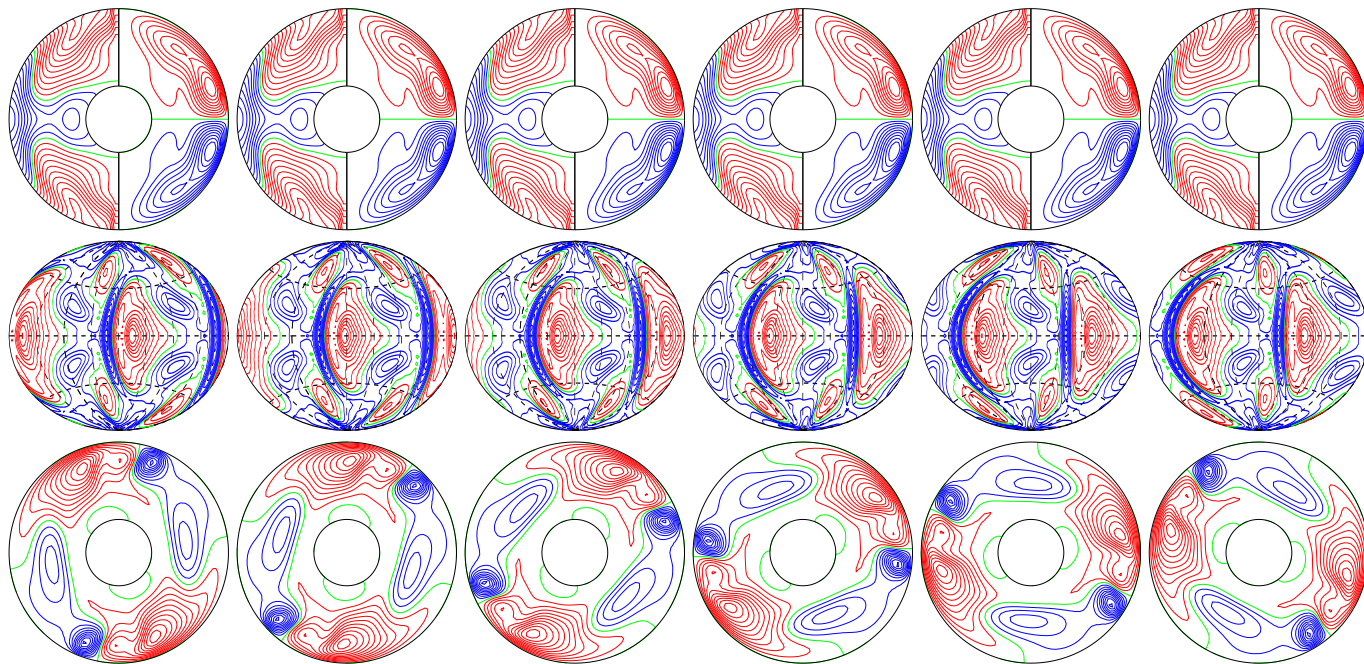


Nusselt Number

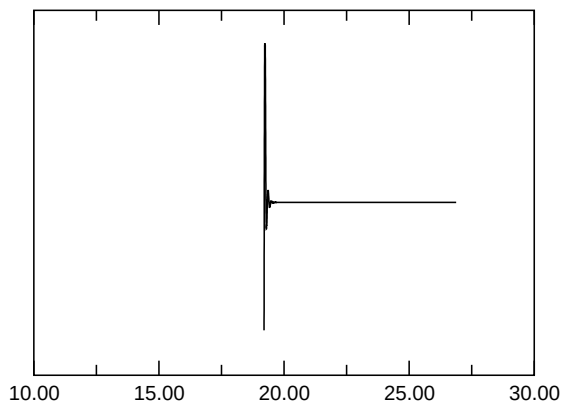


a.e03p1t03r-50000m1n2N2z1.14e5YbB.7
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

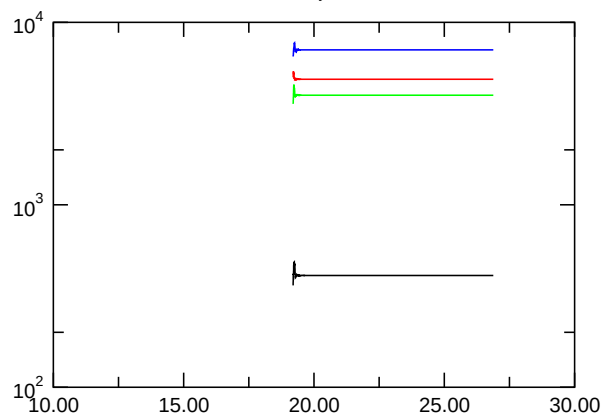
May 17, 2016



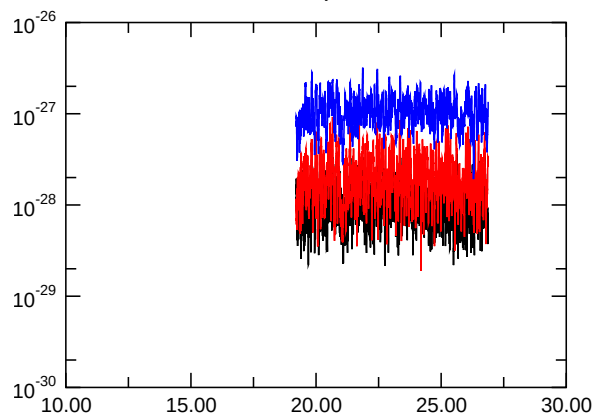
a.e03p1t03r-50000m1n2N2z1.14e5YbB
 E_{kin}



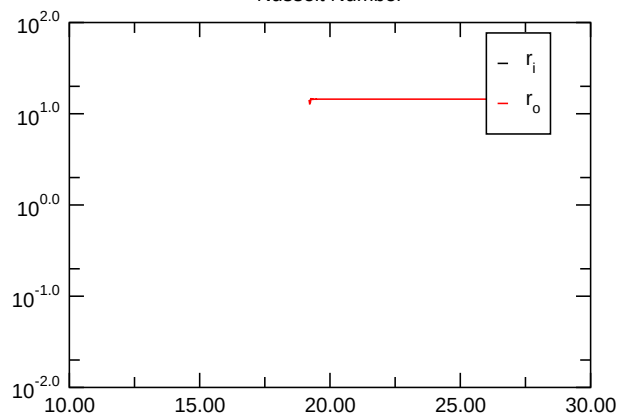
$E_{\text{kin,symm.}}$



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

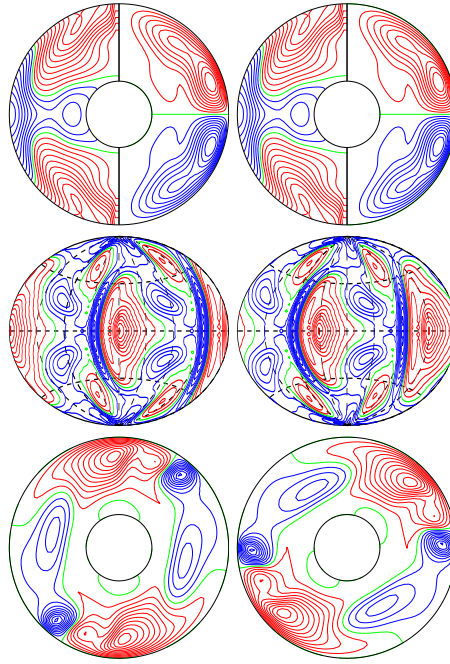


Nusselt Number

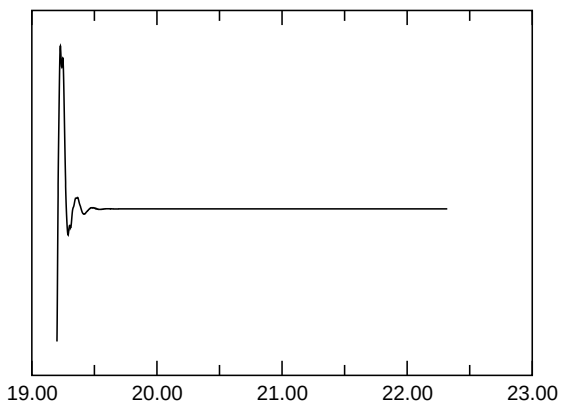


a.e03p1t03r-50000m1n2N2z1.16e5YbB.3
times: 20.48001 21.76001

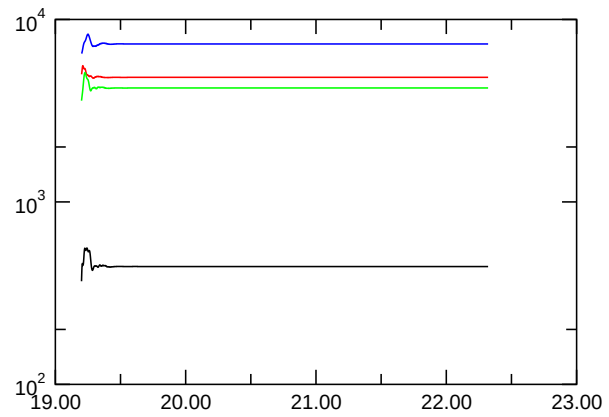
May 17, 2016



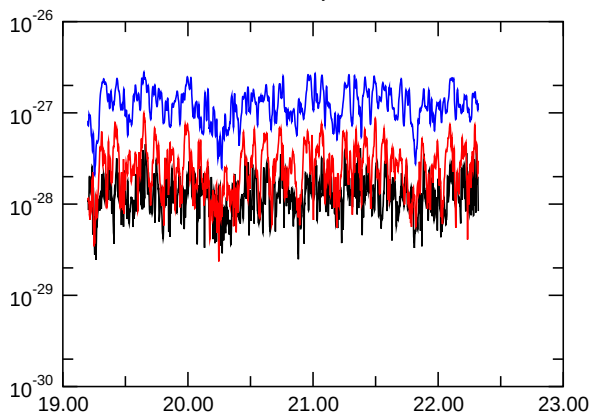
a.e03p1t03r-50000m1n2N2z1.16e5YbB
 E_{kin}



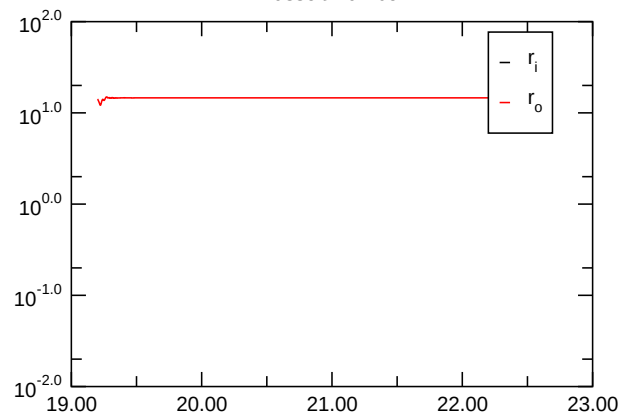
$E_{\text{kin,symm.}}$



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

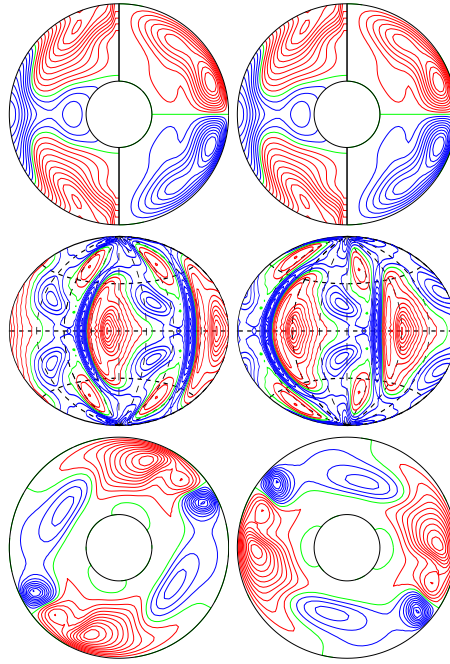


Nusselt Number

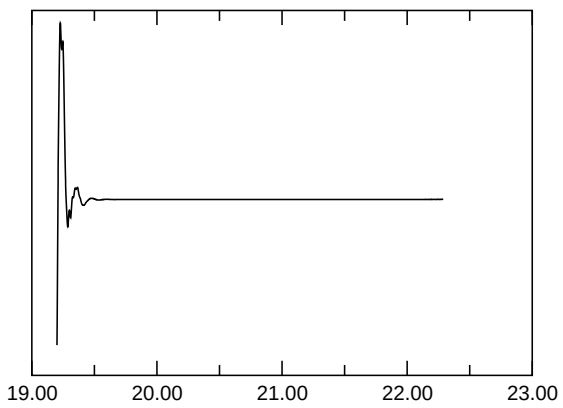


a.e03p1t03r-50000m1n2N2z1.18e5YbB.3
times: 20.48001 21.76001

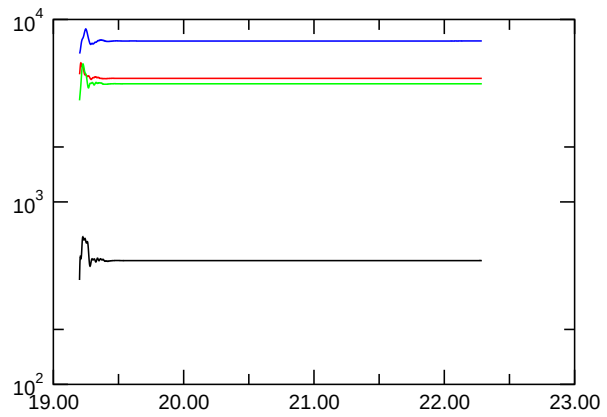
May 17, 2016



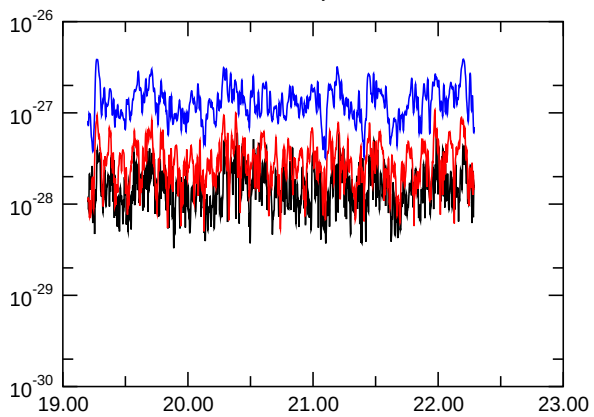
a.e03p1t03r-50000m1n2N2z1.18e5YbB
 E_{kin}



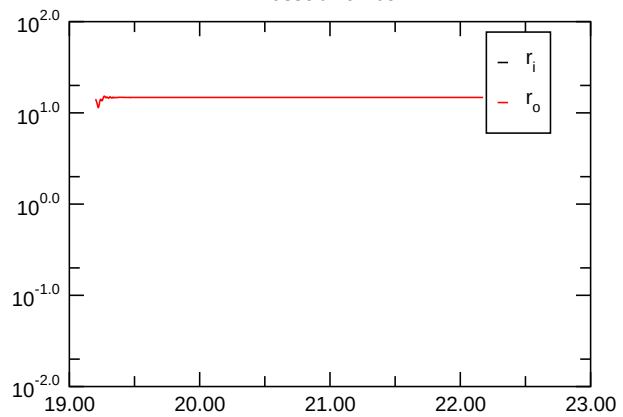
$E_{\text{kin,symm.}}$



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

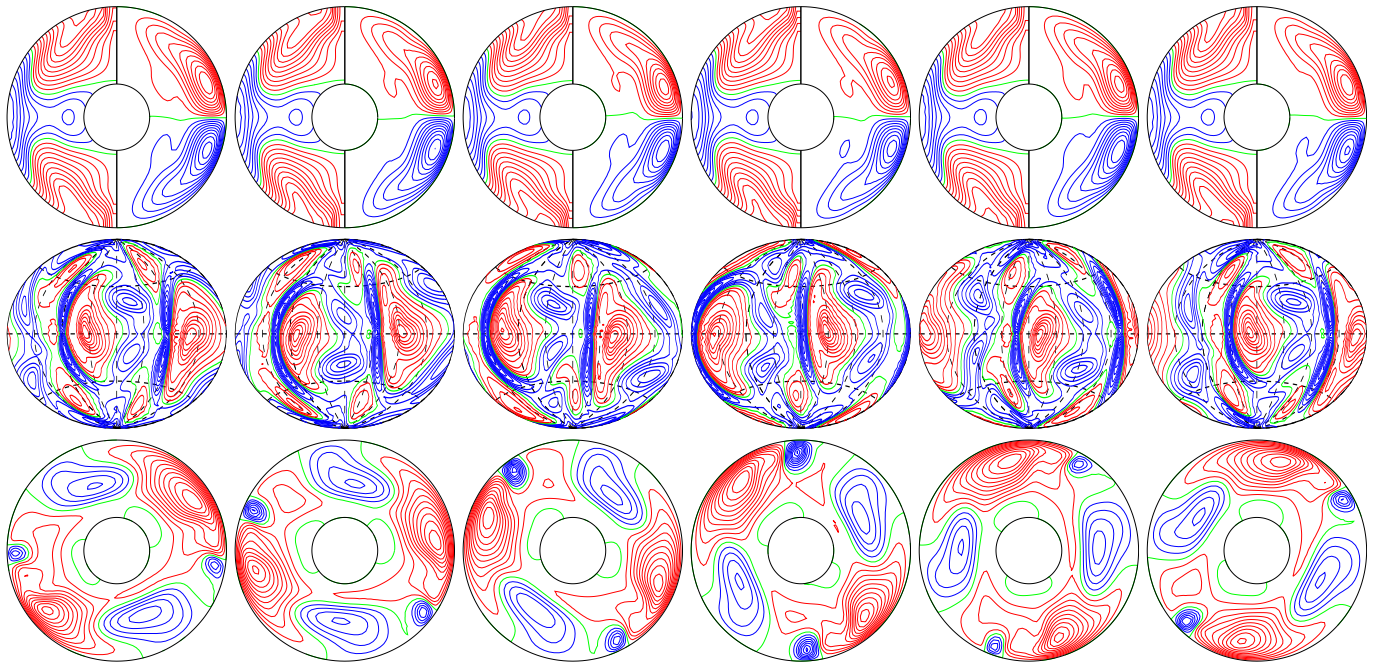


Nusselt Number

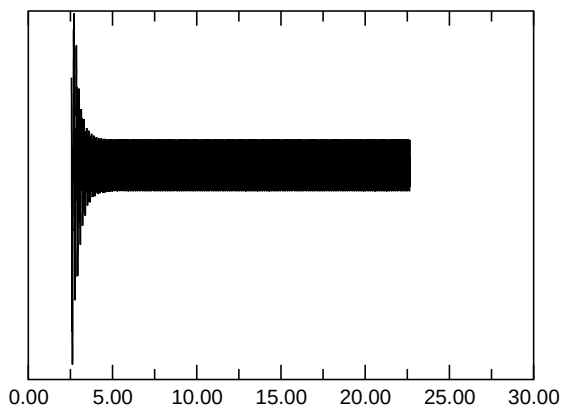


a.e03p1t03r-50000m1n2N2z1.1e5Ya.16
times: 15.36001 16.64001 17.92001 19.20001 20.48001 21.76001

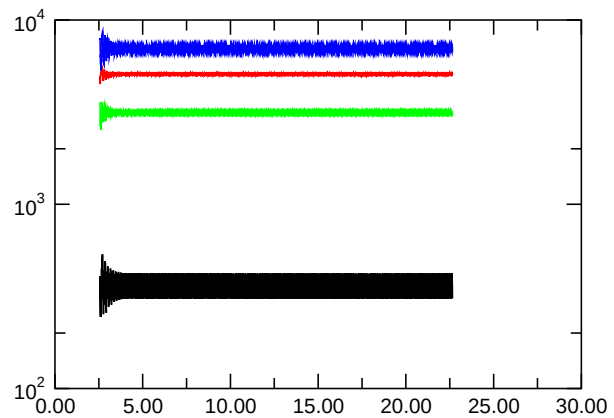
May 17, 2016



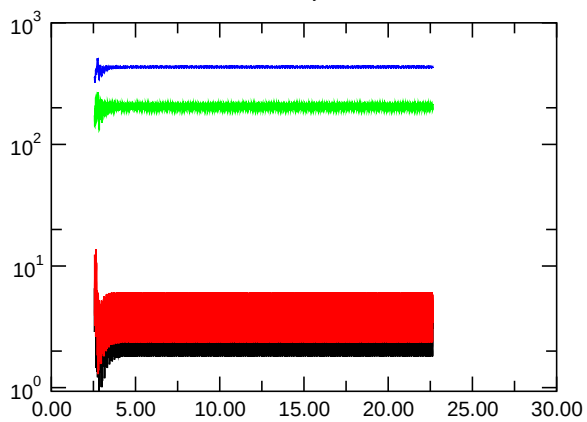
a.e03p1t03r-50000m1n2N2z1.1e5Ya
 E_{kin}



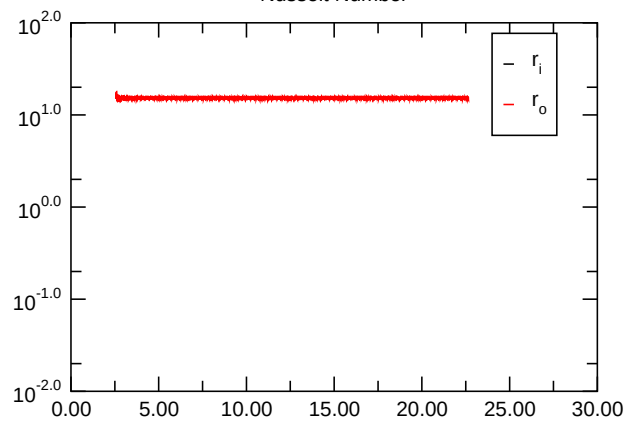
$E_{\text{kin,symm.}}$



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



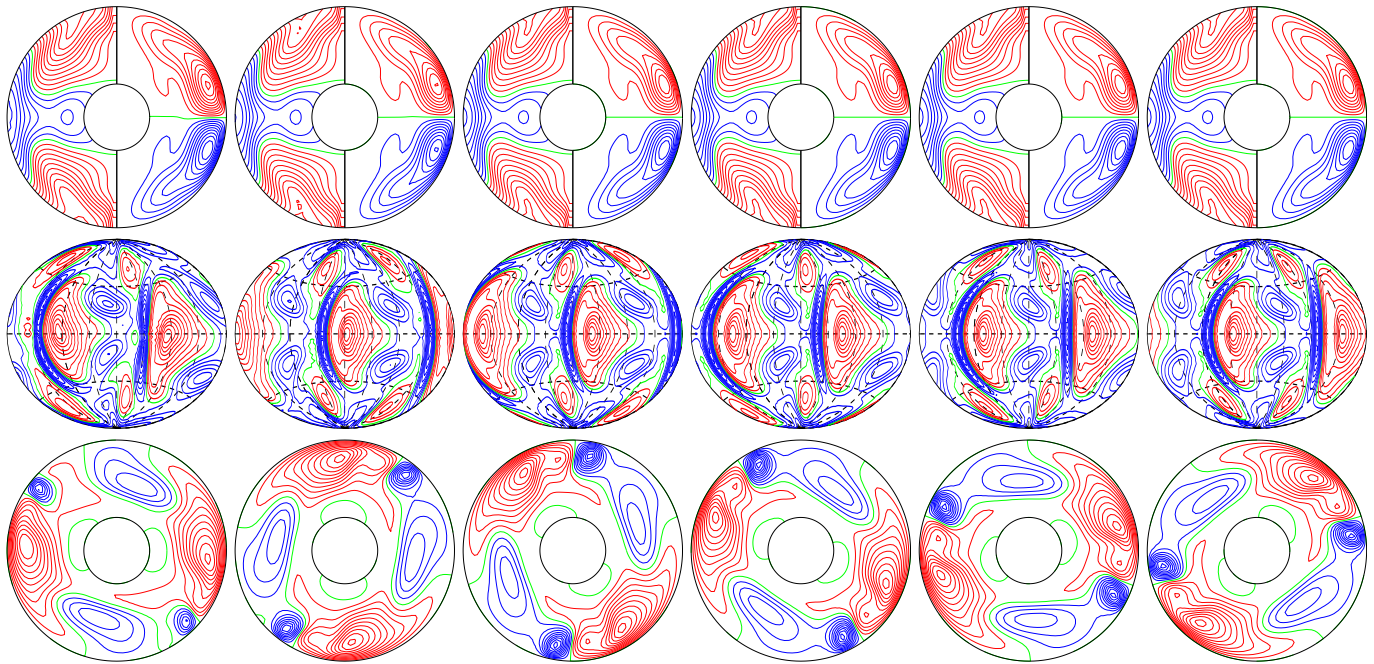
Nusselt Number



a.e03p1t03r-50000m1n2N2z1.08e5YaA.7

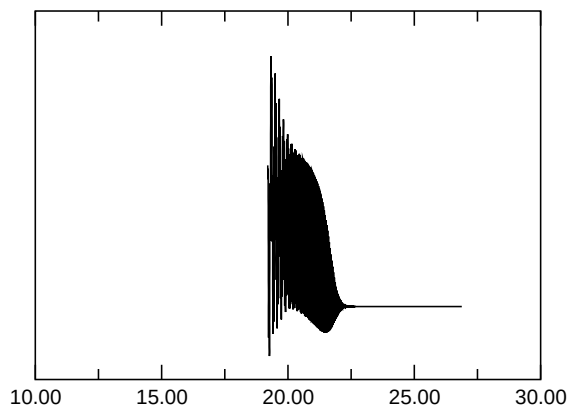
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

May 17, 2016

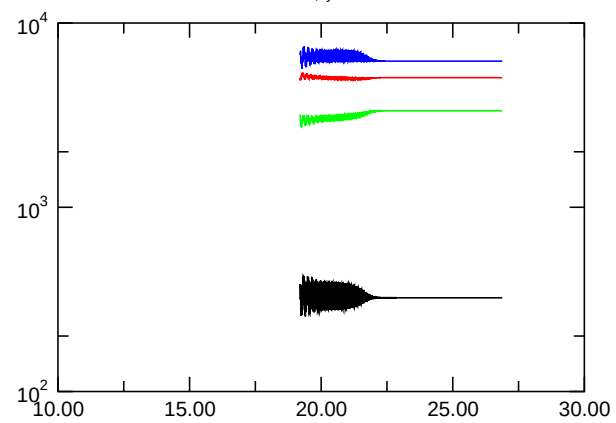


a.e03p1t03r-50000m1n2N2z1.08e5YaA

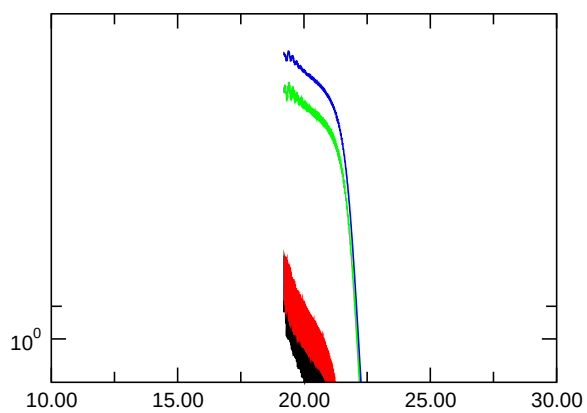
E_{kin}



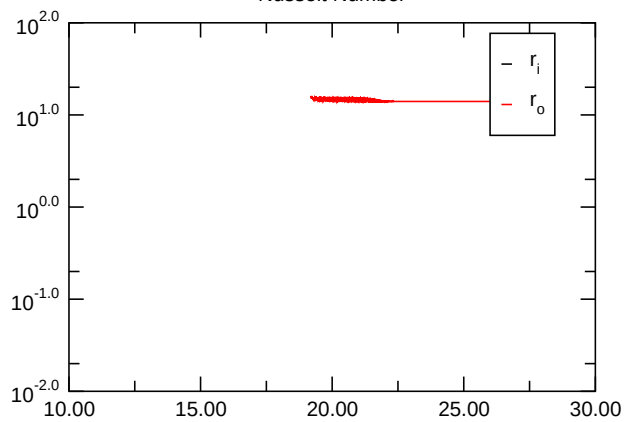
$E_{\text{kin,symm.}}$



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

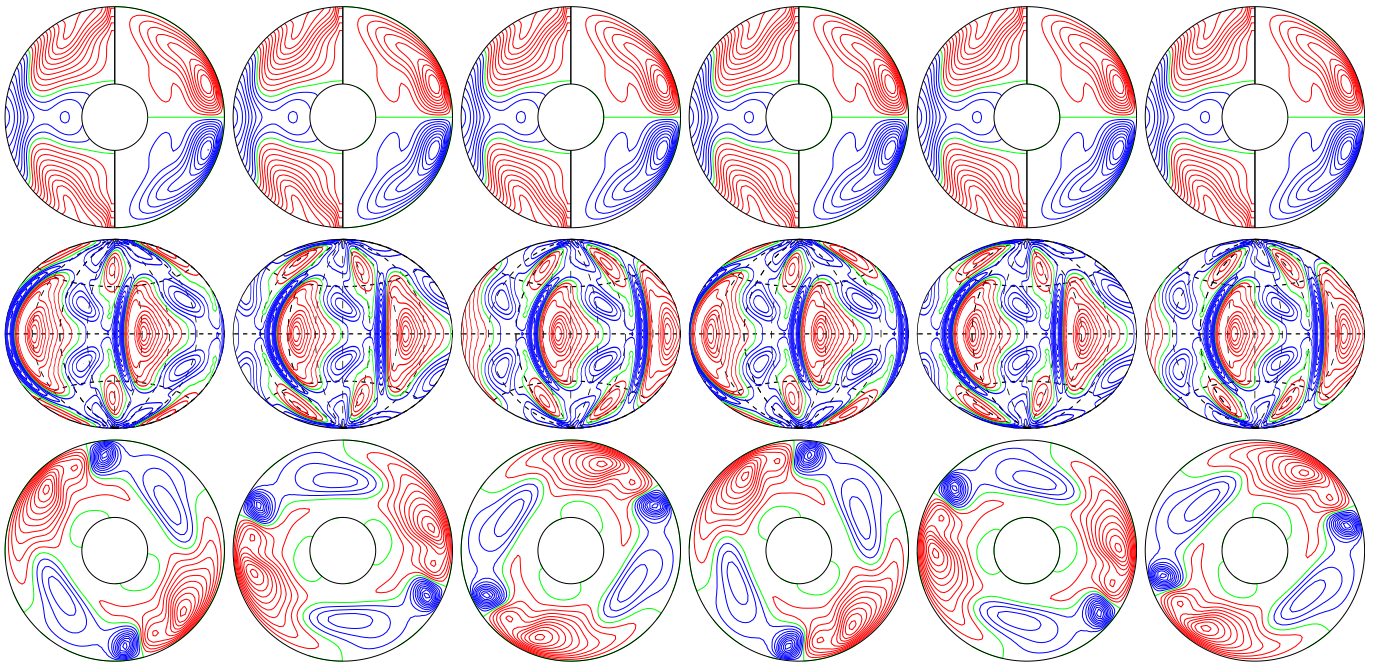


Nusselt Number



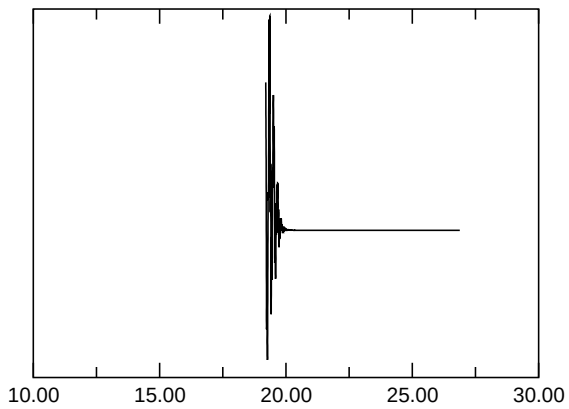
a.e03p1t03r-50000m1n2N2z1.06e5YaA.7
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

May 17, 2016

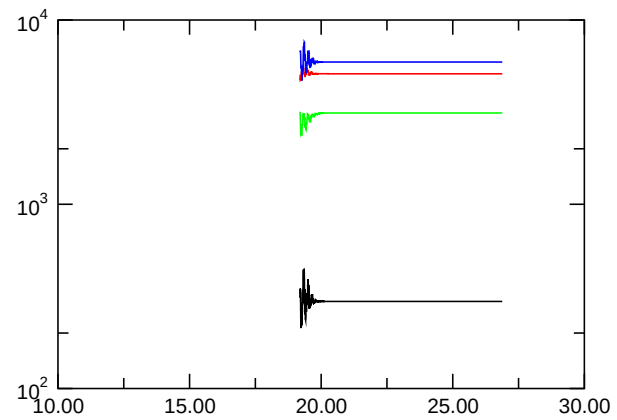


a.e03p1t03r-50000m1n2N2z1.06e5YaA

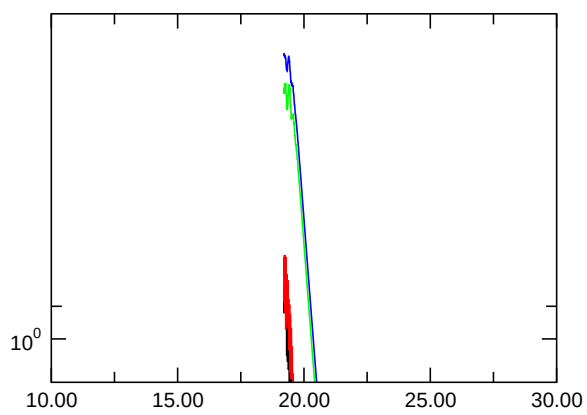
E_{kin}



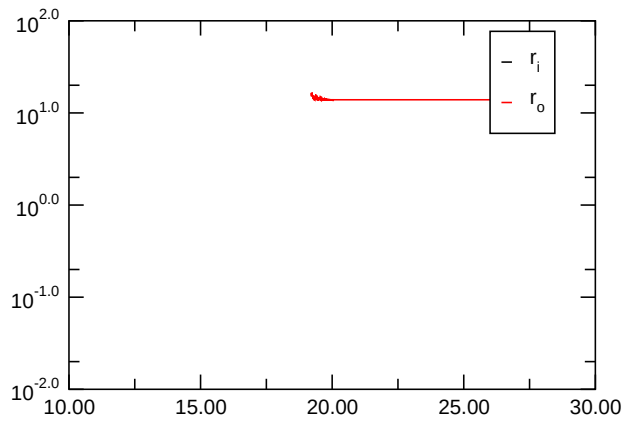
$E_{\text{kin,symm.}}$



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

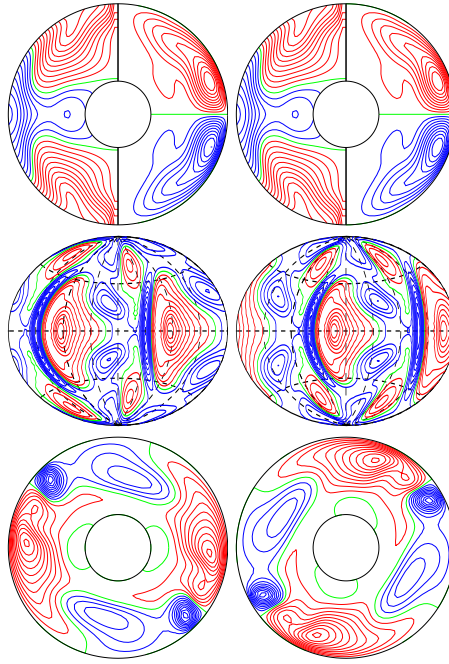


Nusselt Number

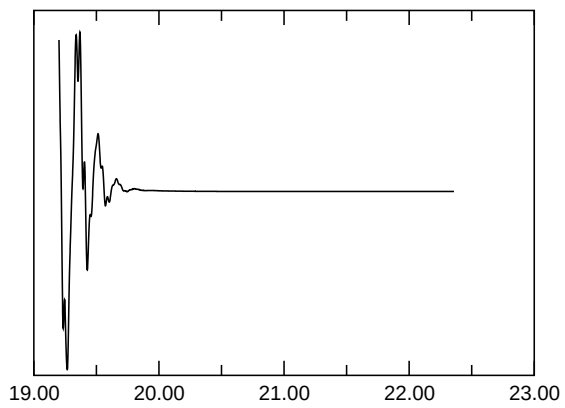


a.e03p1t03r-50000m1n2N2z1.04e5YaA.3
times: 20.48001 21.76001

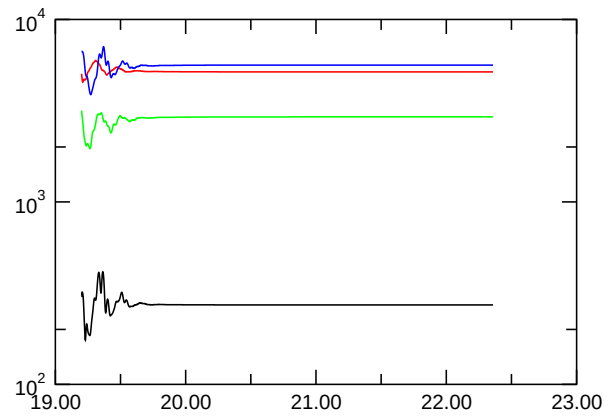
May 17, 2016



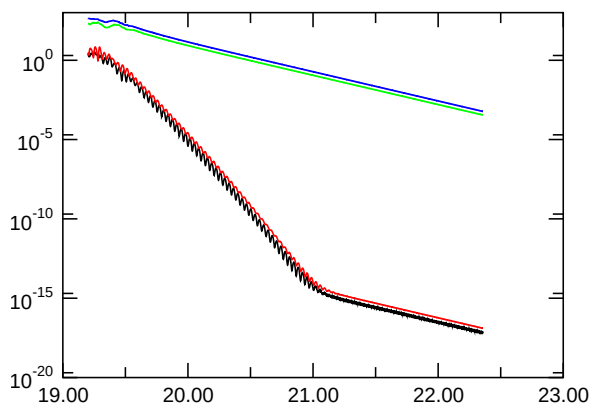
a.e03p1t03r-50000m1n2N2z1.04e5YaA
 E_{kin}



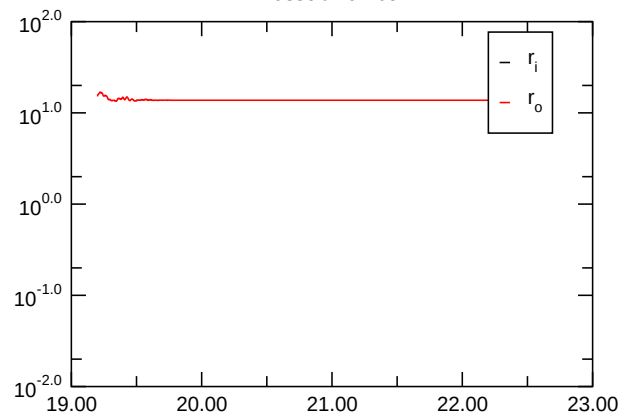
$E_{\text{kin,symm.}}$



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

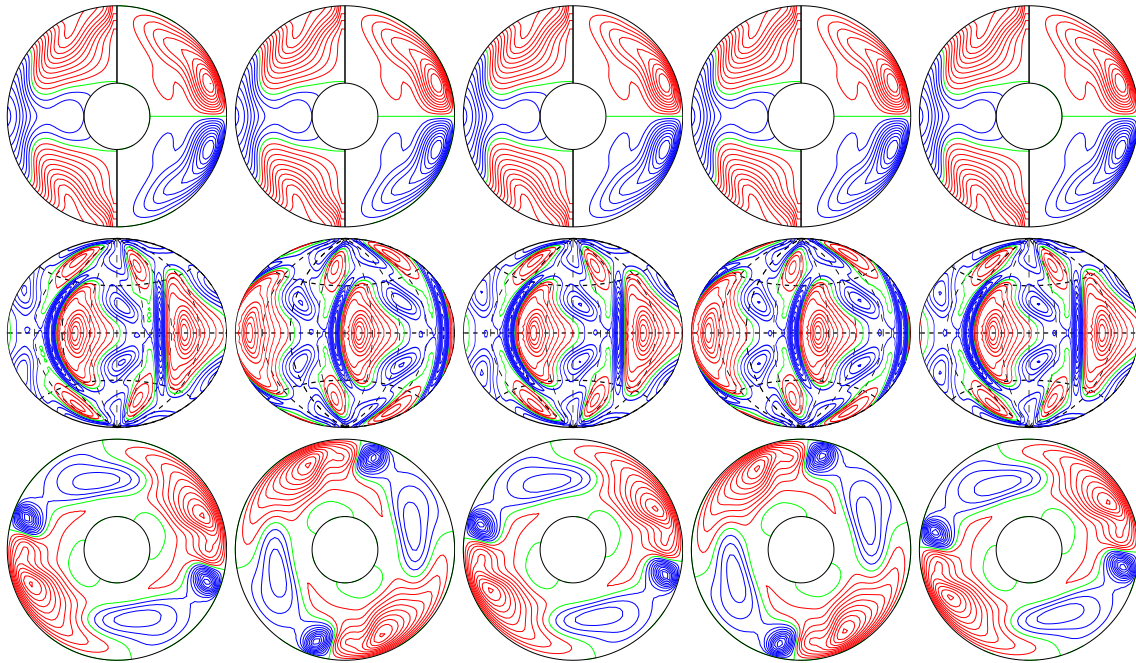


Nusselt Number

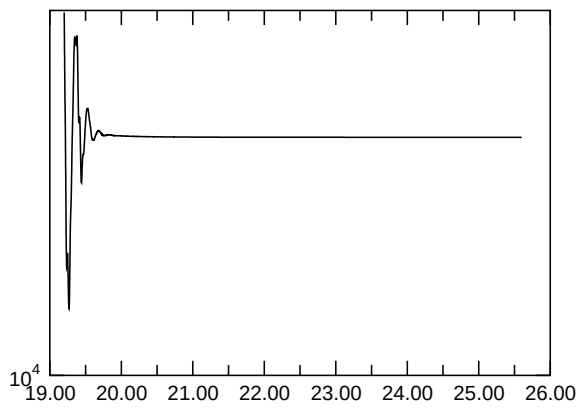


a.e03p1t03r-50000m1n2N2z1.02e5YaA.6
times: 20.48001 21.76001 23.04001 24.32001 25.60001

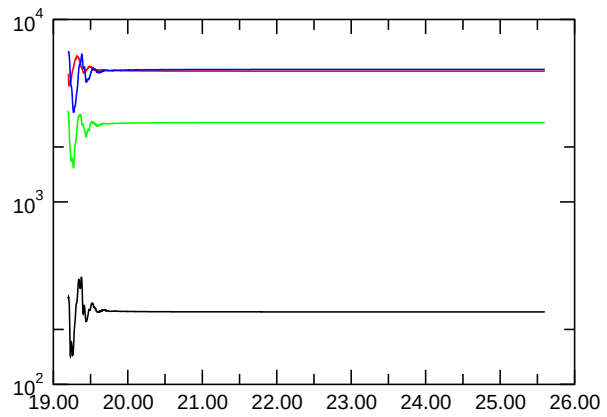
May 17, 2016



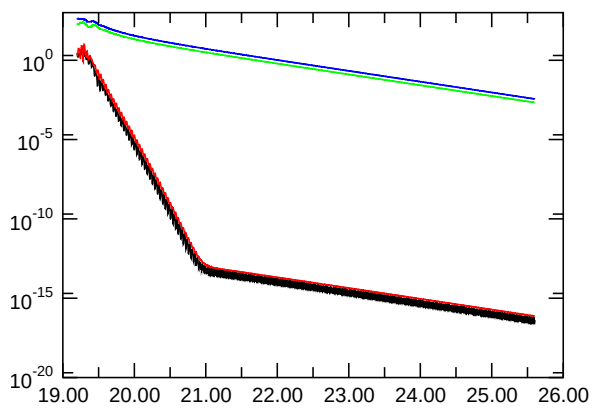
a.e03p1t03r-50000m1n2N2z1.02e5YaA
 E_{kin}



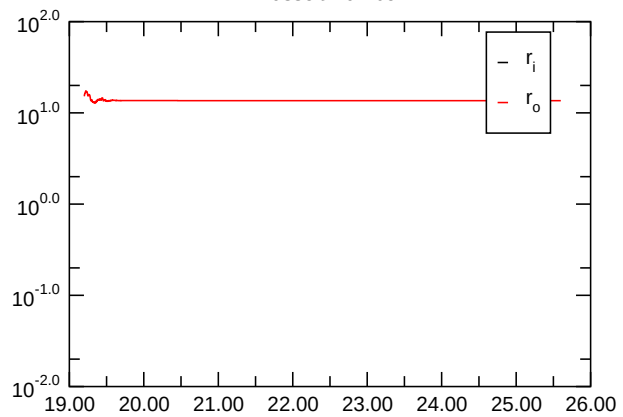
$E_{\text{kin,symm.}}$



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



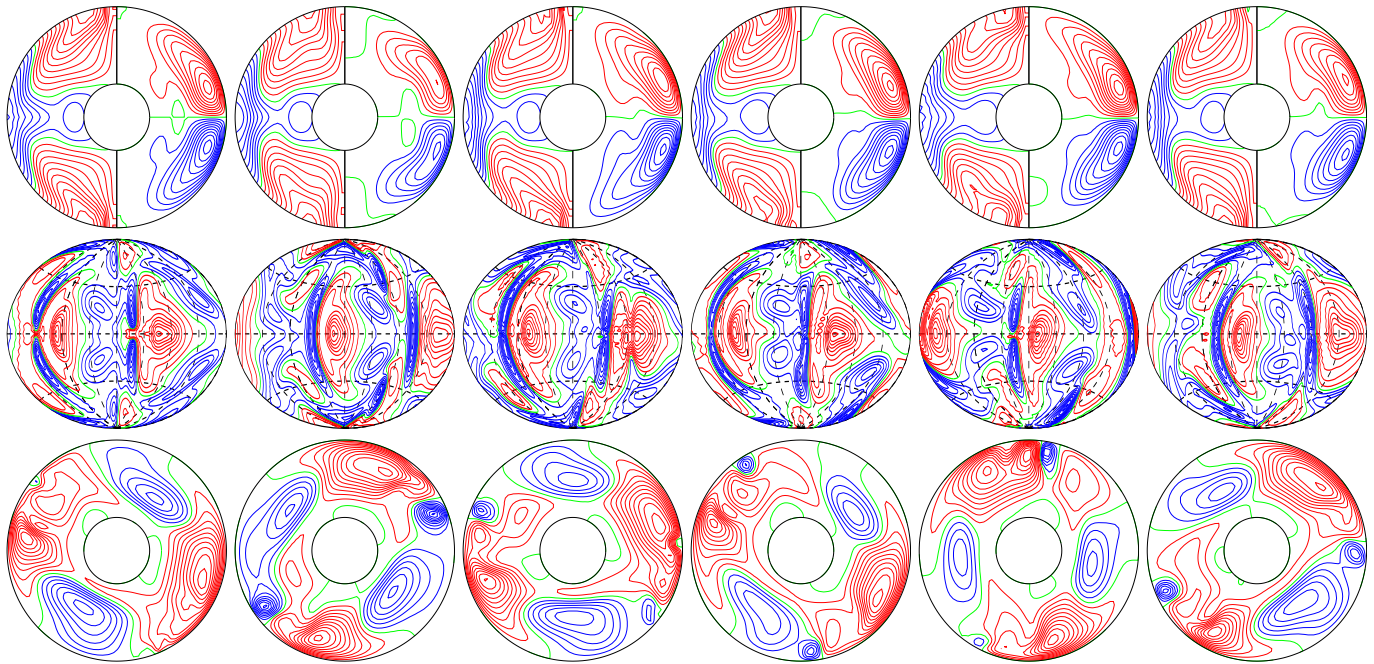
Nusselt Number



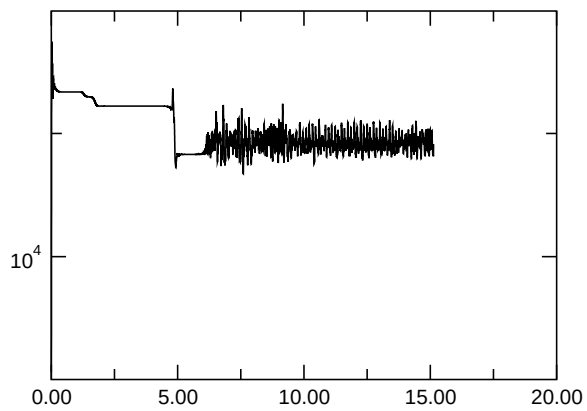
a.e03p1t03r-50000m1n2N2z1.2e5Y.12

times: 7.680006 8.960007 10.24001 11.52001 12.80001 14.08001

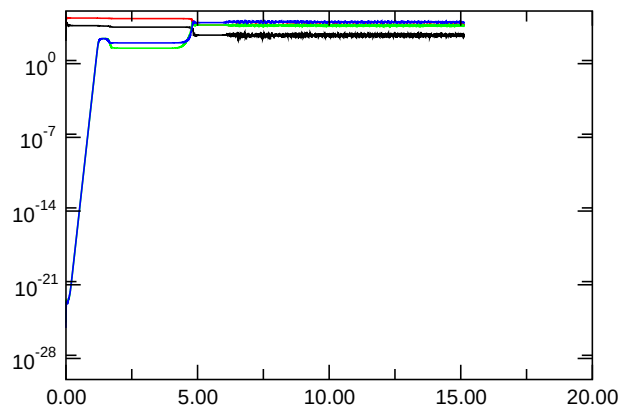
May 17, 2016



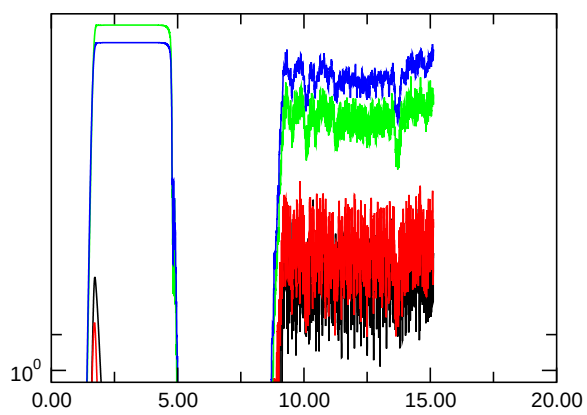
a.e03p1t03r-50000m1n2N2z1.2e5Y
 E_{kin}



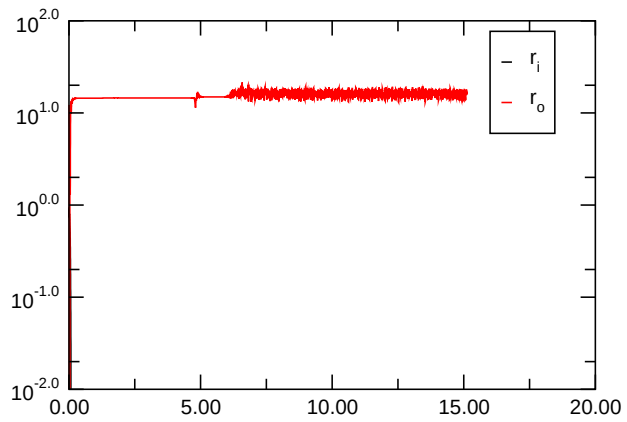
$E_{\text{kin,symm.}}$



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



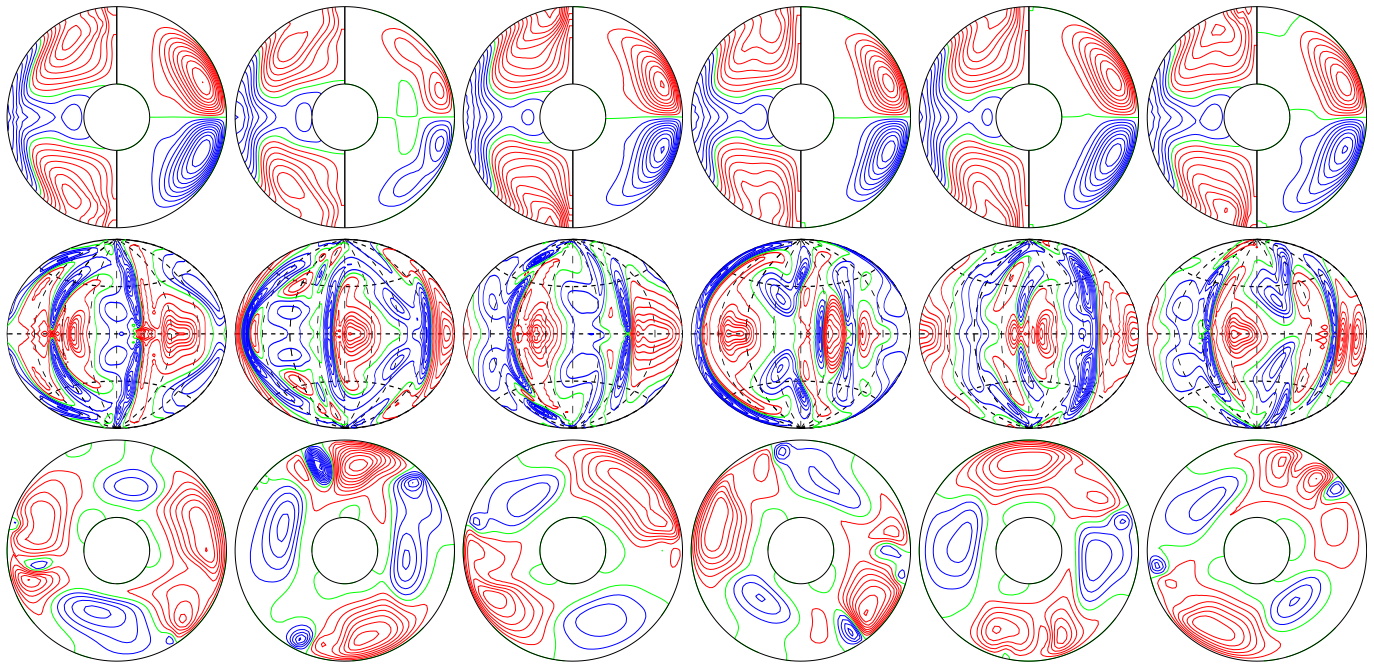
Nusselt Number



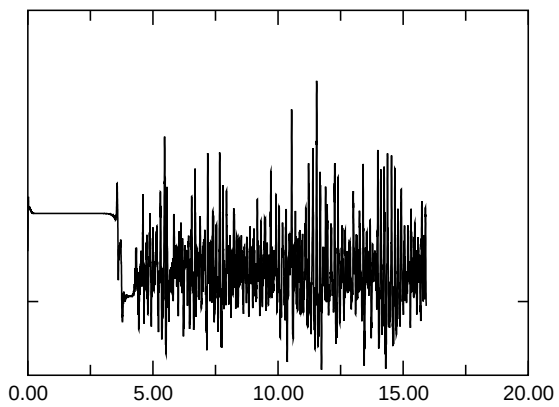
a.e03p1t03r-50000m1n2N2z1.3e5Y.19

times: 8.960007 10.24001 11.52001 12.80001 14.08001 15.36001

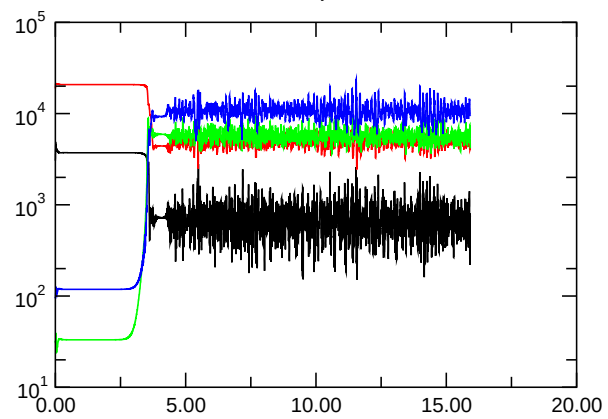
May 17, 2016



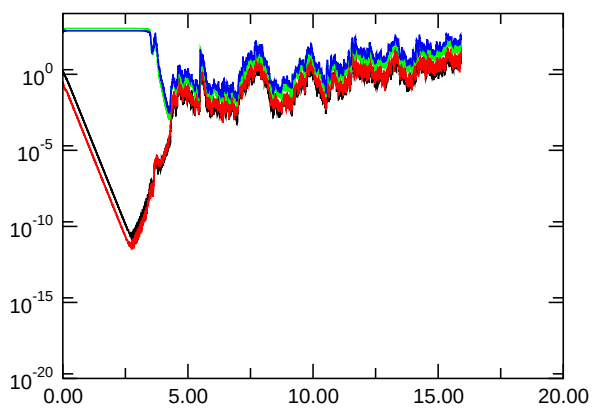
a.e03p1t03r-50000m1n2N2z1.3e5Y
 E_{kin}



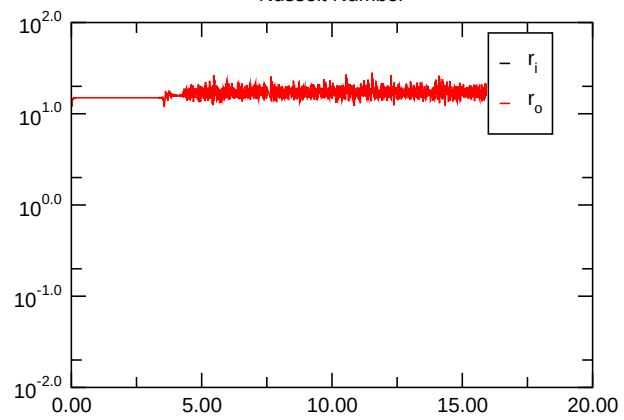
$E_{\text{kin,symm.}}$



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



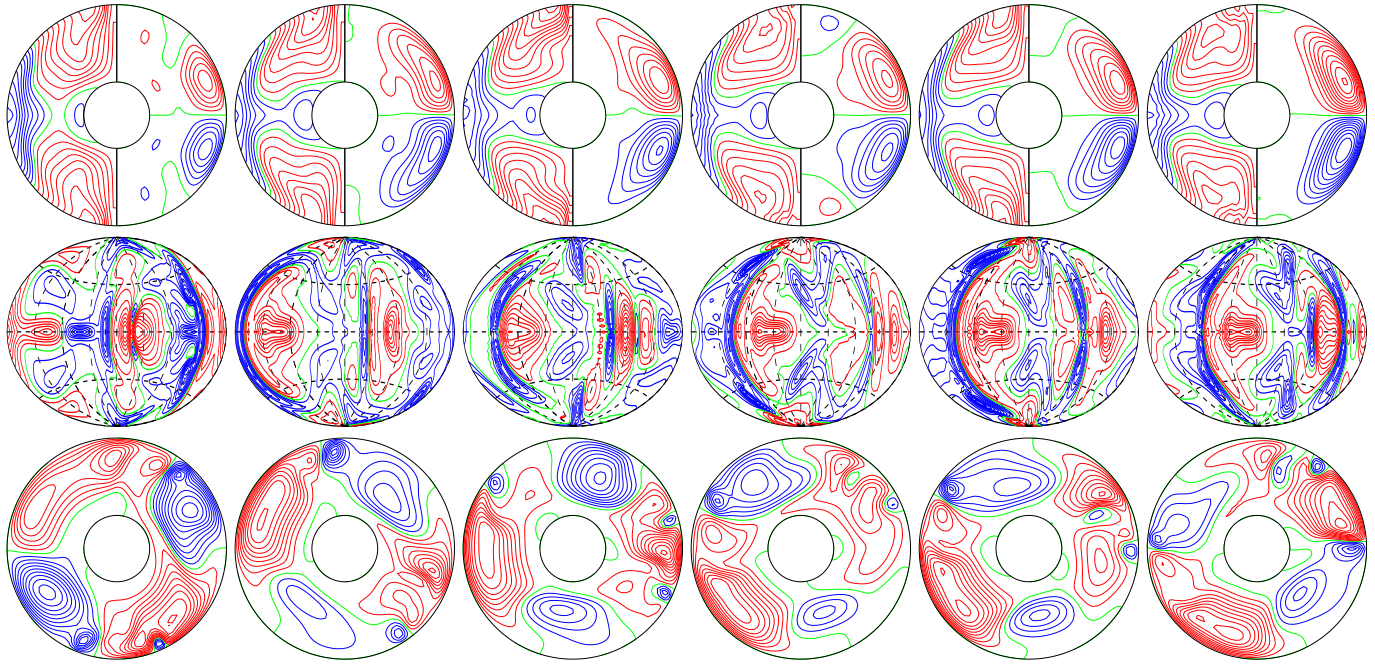
Nusselt Number



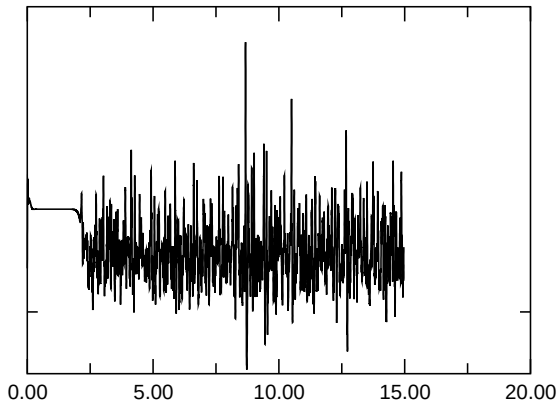
a.e03p1t03r-50000m1n2N2z1.4e5Y.14

times: 8.320007 9.600008 10.88001 12.16001 13.44001 14.72001

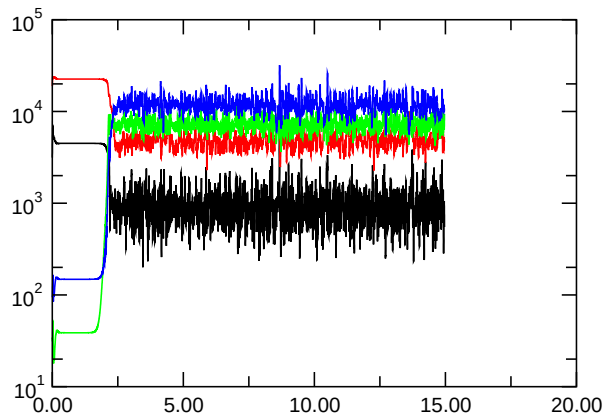
May 17, 2016



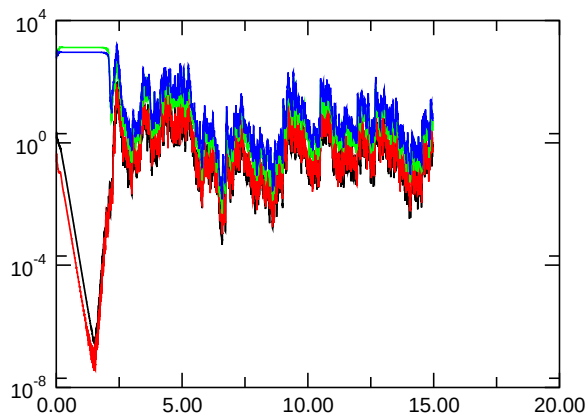
a.e03p1t03r-50000m1n2N2z1.4e5Y
 E_{kin}



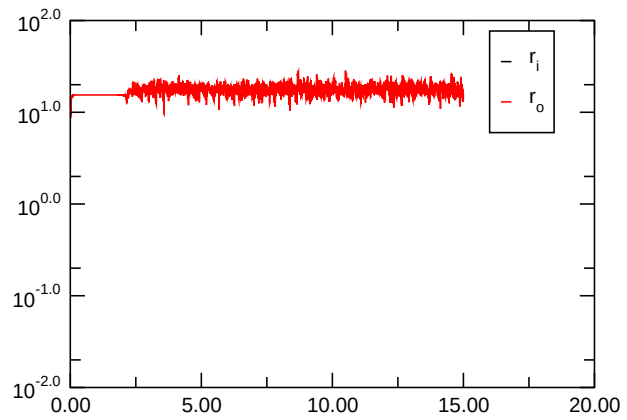
$E_{\text{kin,symm.}}$



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



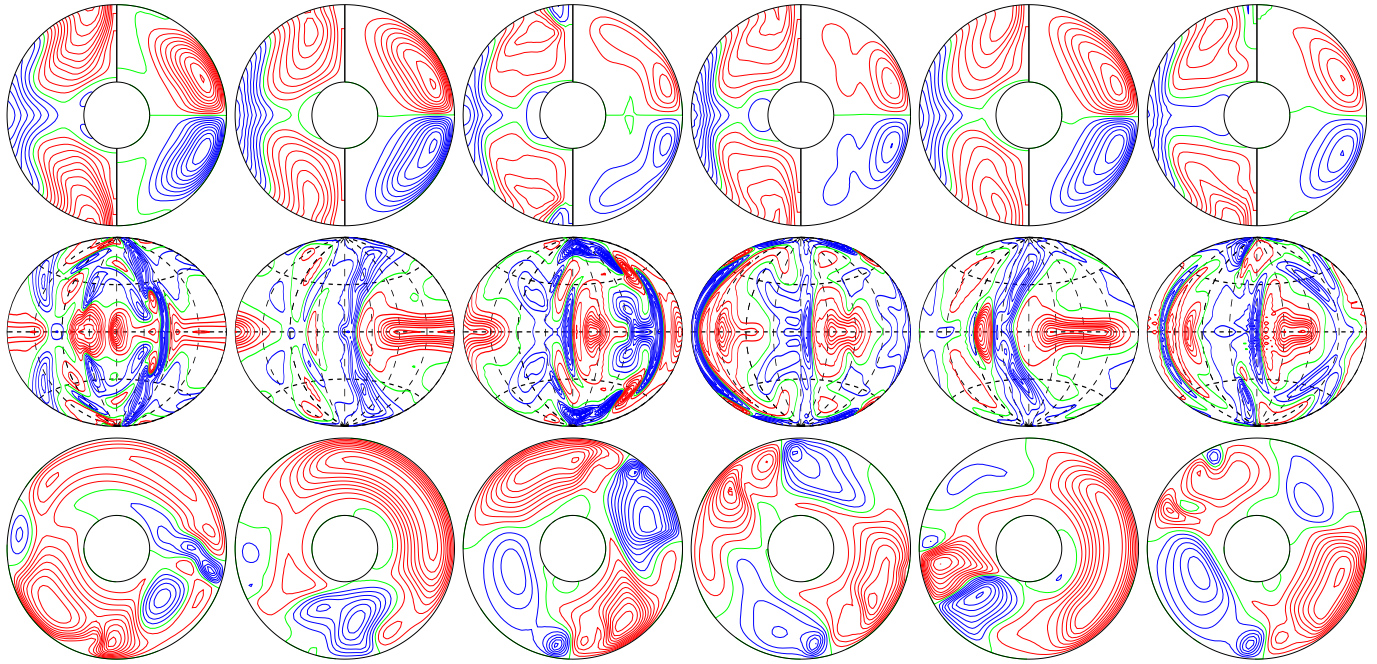
Nusselt Number



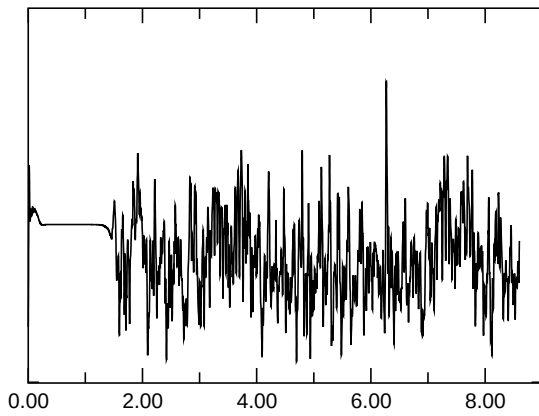
a.e03p1t03r-50000m1n2N2z1.5e5Y.9

May 17, 2016

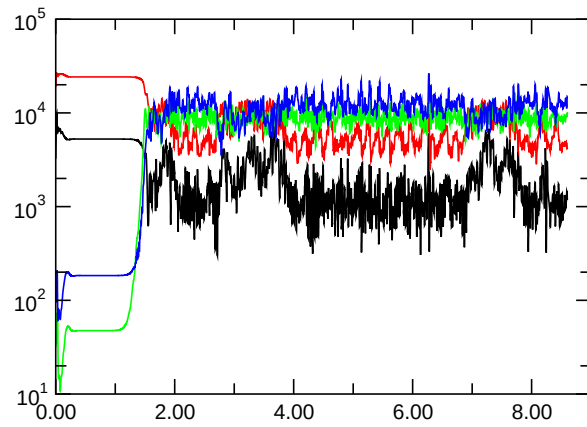
times: 1.920002 3.200003 4.480004 5.760005 7.040006 8.320007



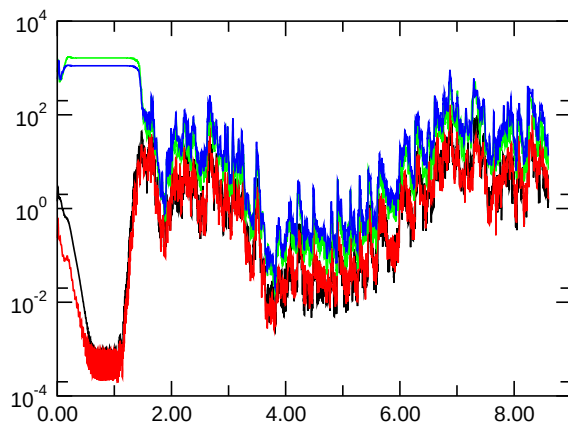
a.e03p1t03r-50000m1n2N2z1.5e5Y
 E_{kin}



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



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



Nusselt Number

