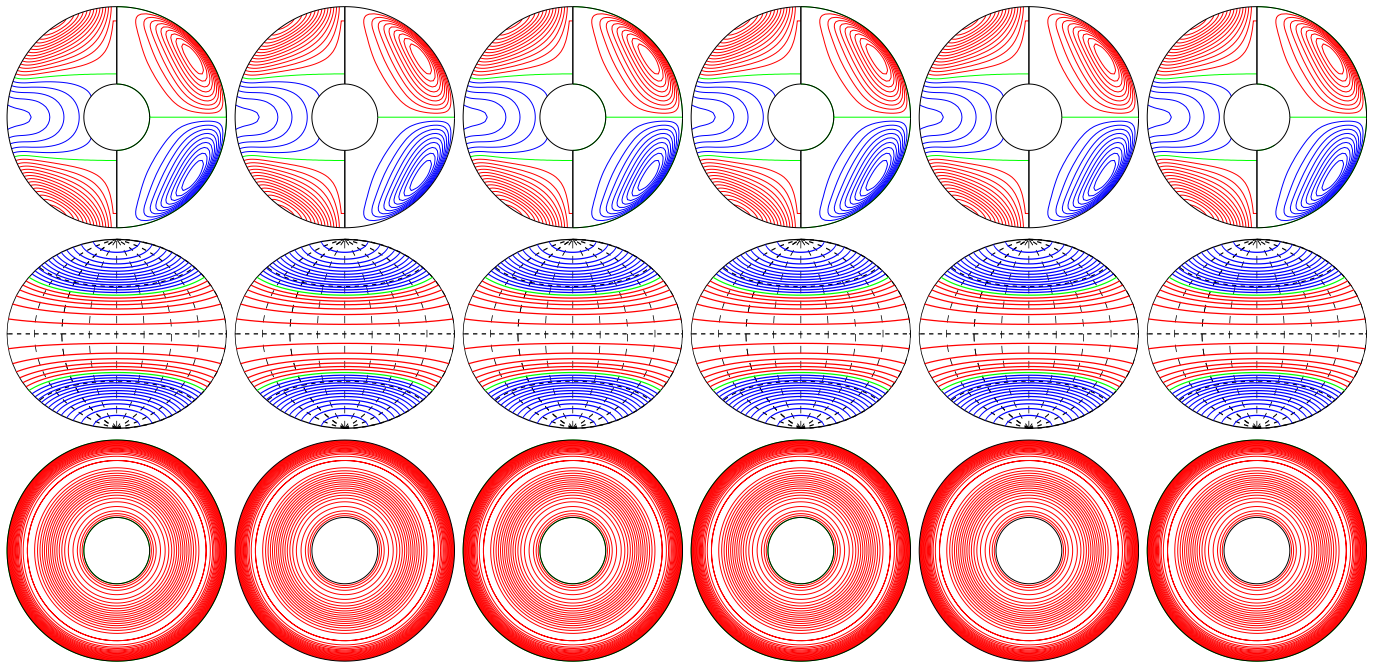


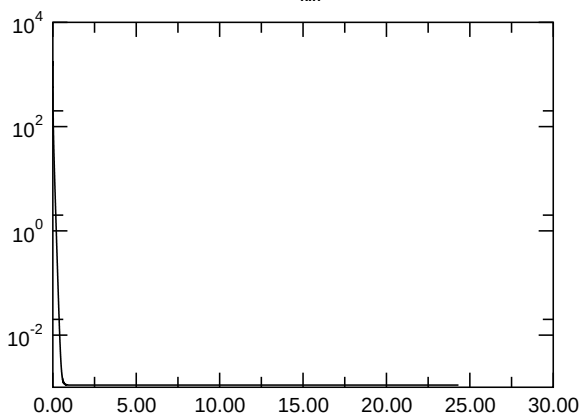
a.e03p01t03r-50000m1n2N2z4e1Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

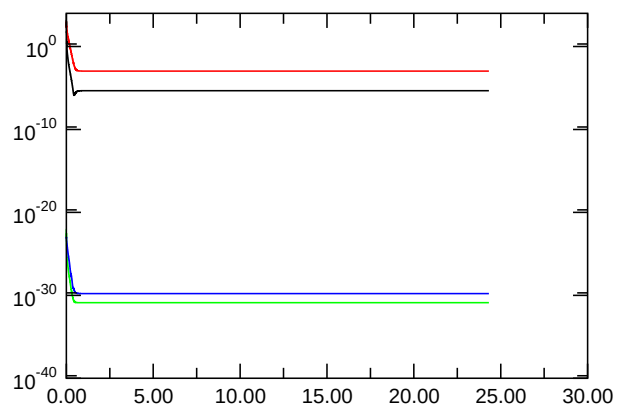
May 2, 2017



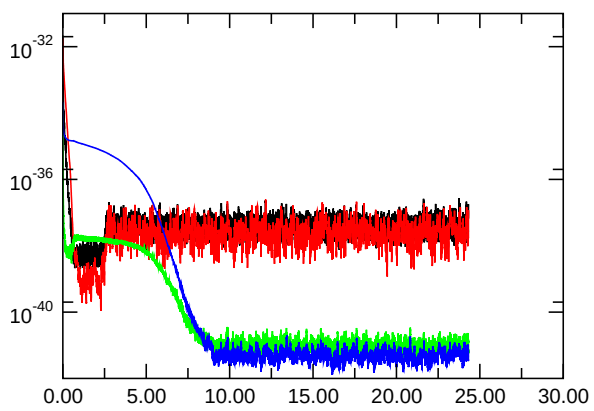
a.e03p01t03r-50000m1n2N2z4e1Y
 E_{kin}



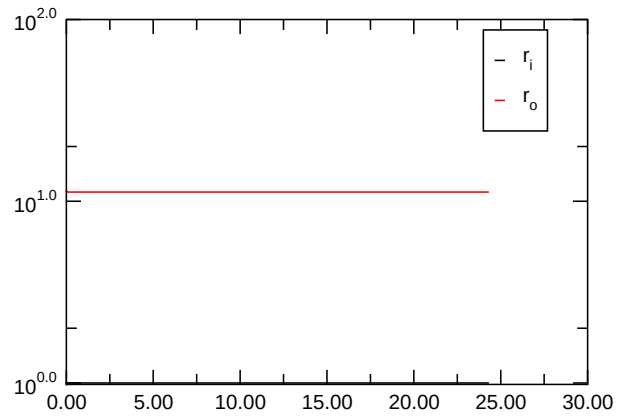
$E_{\text{kin,symm.}}$



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



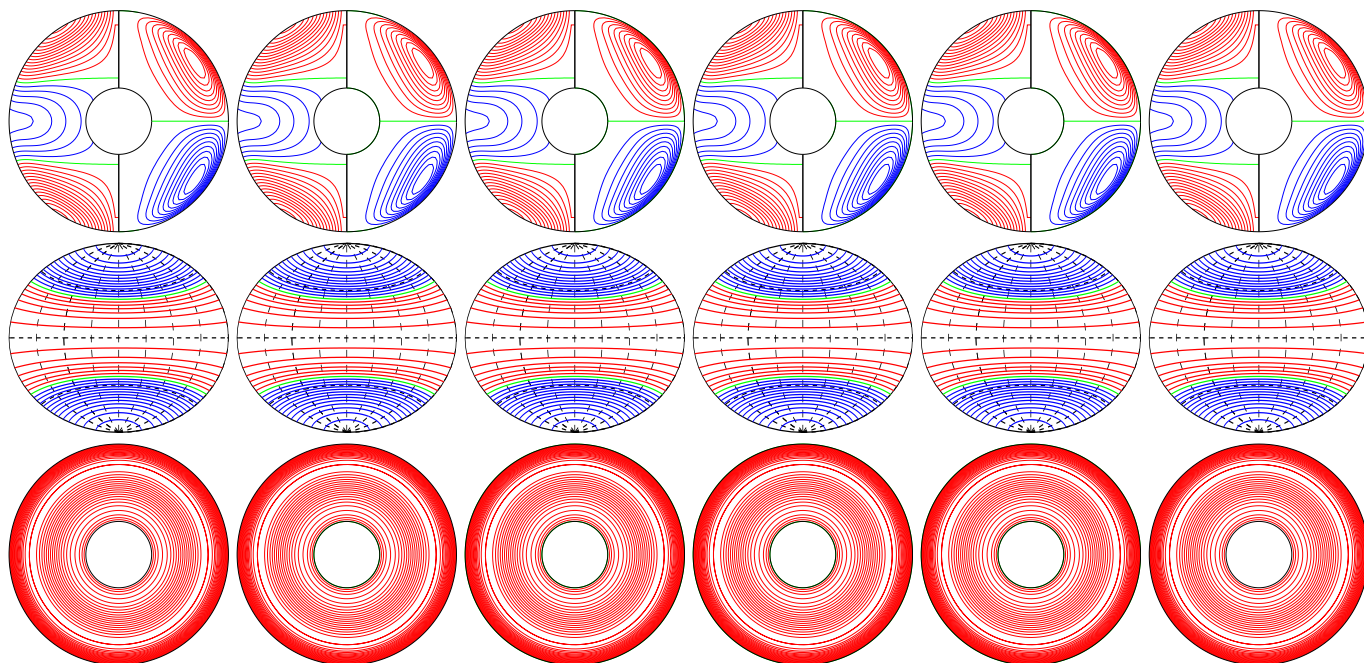
Nusselt Number



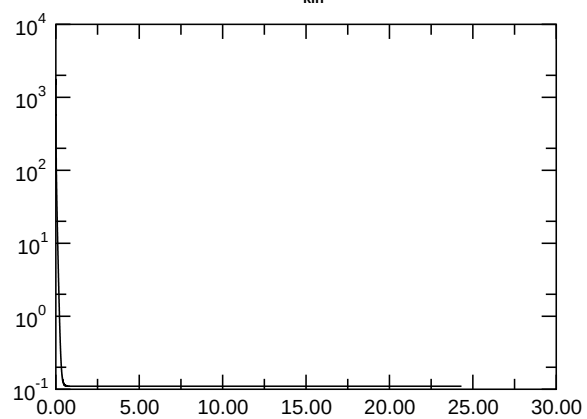
a.e03p01t03r-50000m1n2N2z4e2Y.20

May 2, 2017

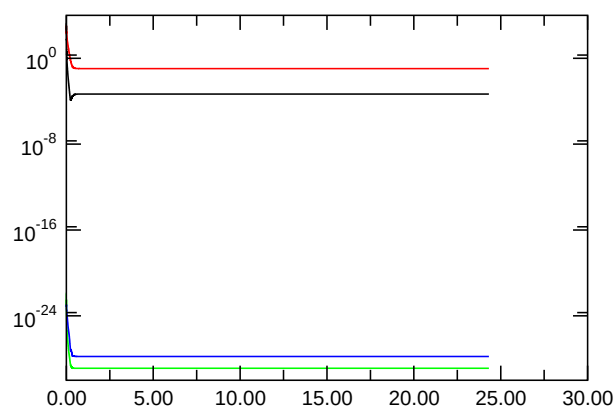
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001



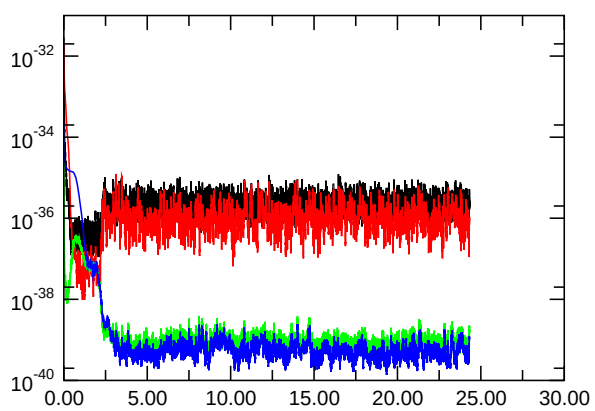
a.e03p01t03r-50000m1n2N2z4e2Y
 E_{kin}



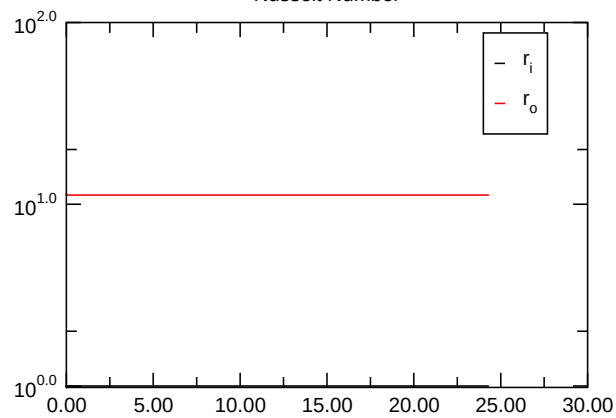
$E_{\text{kin,symm.}}$



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



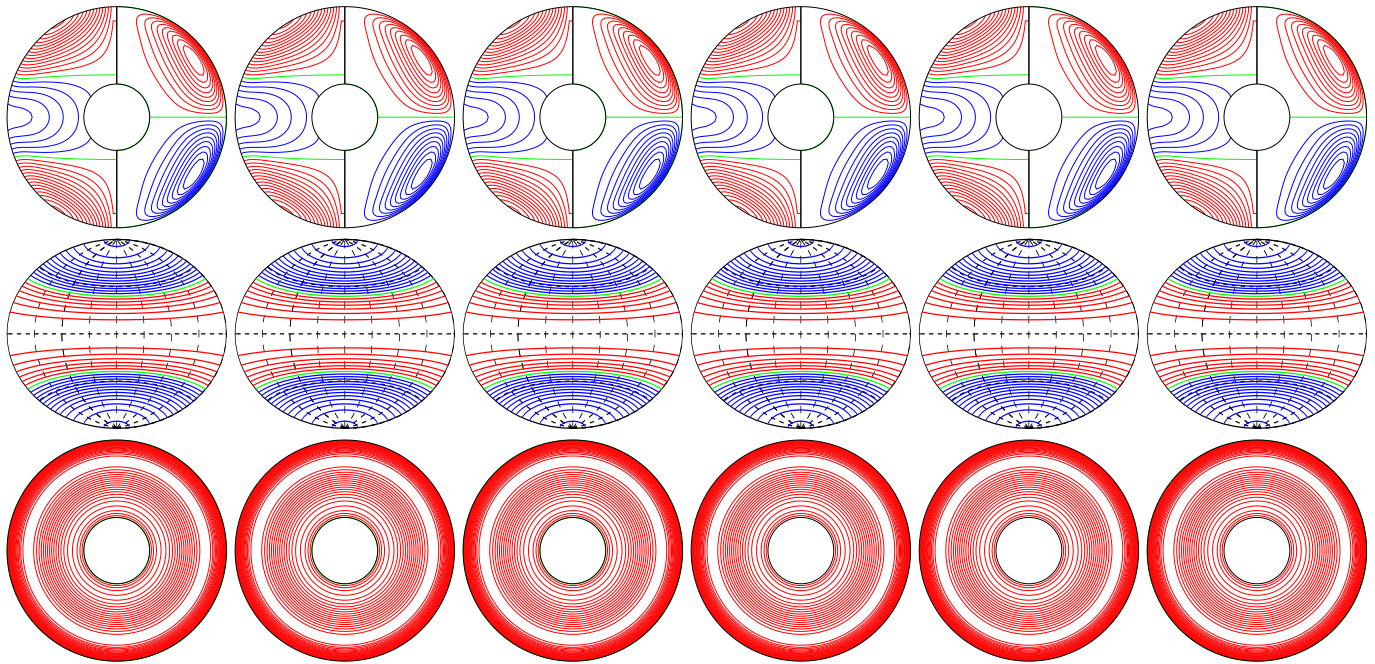
Nusselt Number



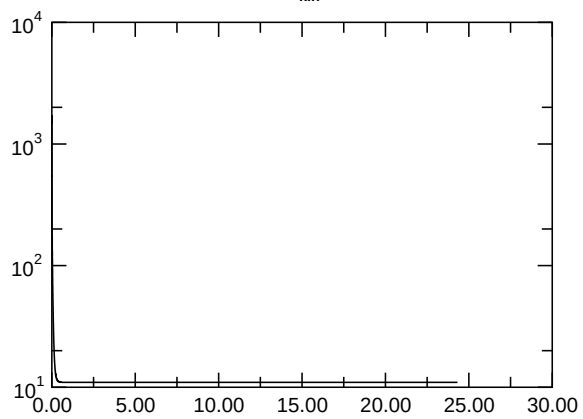
a.e03p01t03r-50000m1n2N2z4e3Y.20

times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001

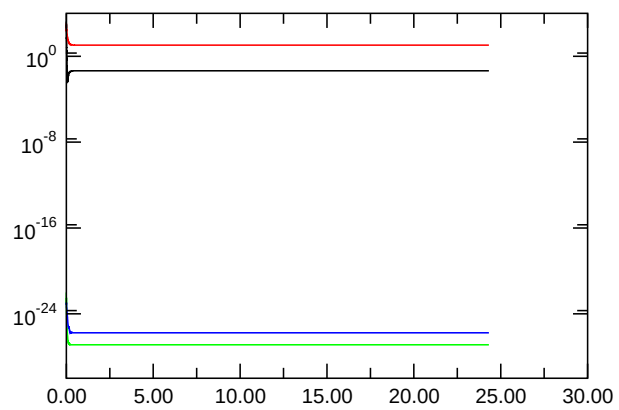
May 2, 2017



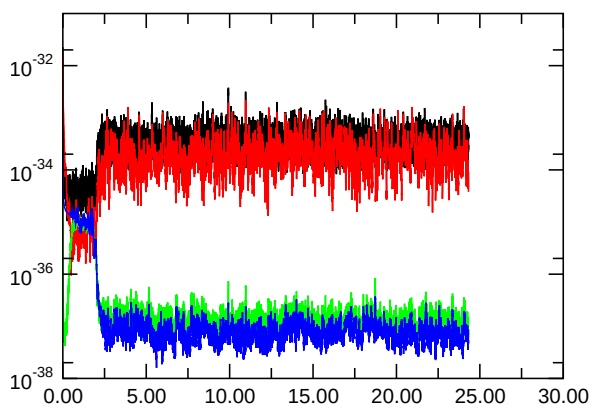
a.e03p01t03r-50000m1n2N2z4e3Y
 E_{kin}



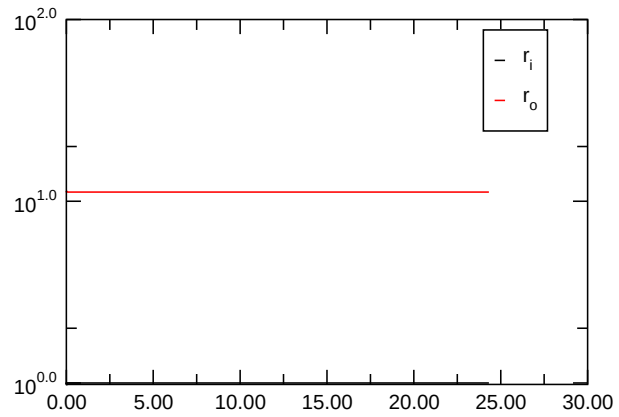
$E_{\text{kin,symm.}}$



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



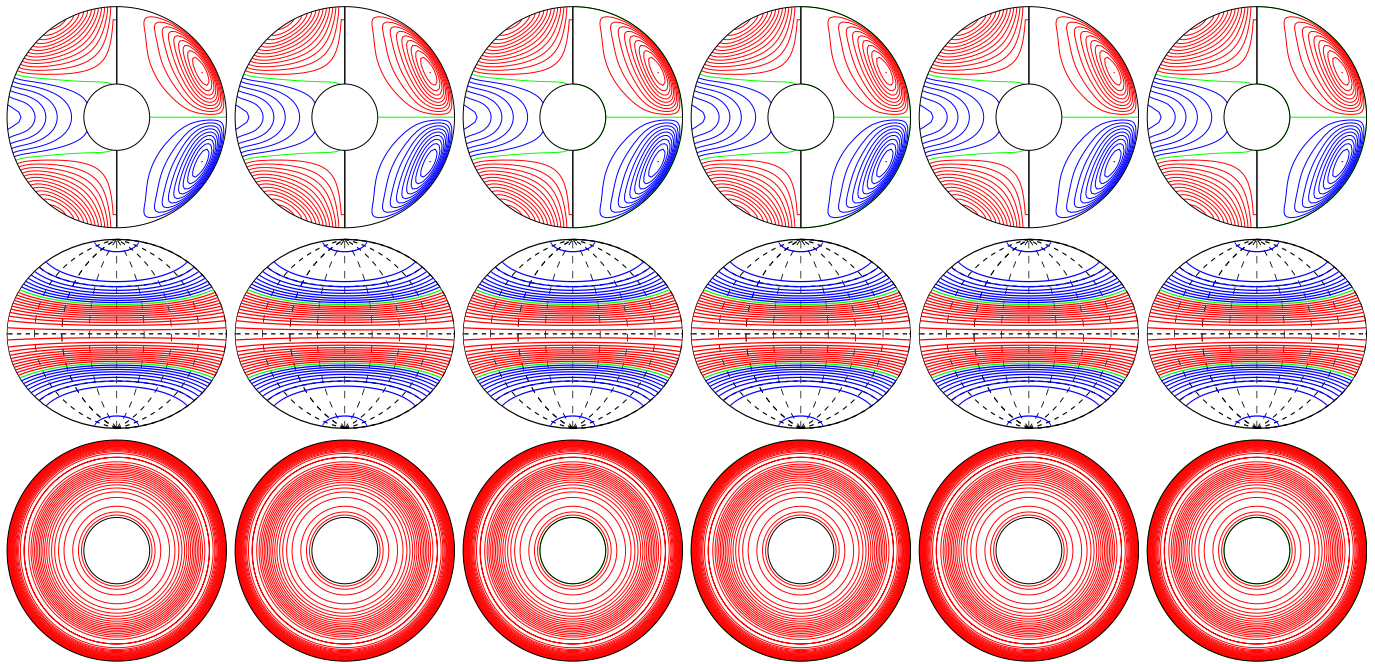
Nusselt Number



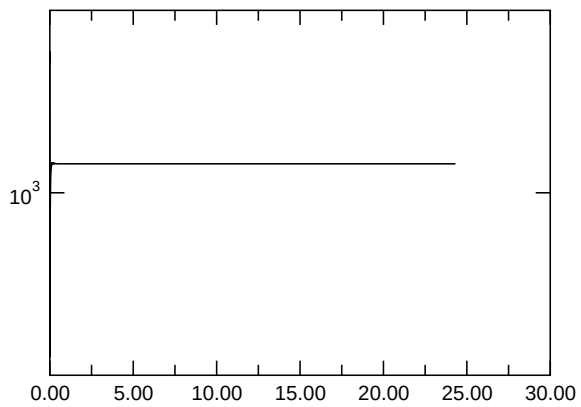
a.e03p01t03r-50000m1n2N2z4e4Y.20

May 2, 2017

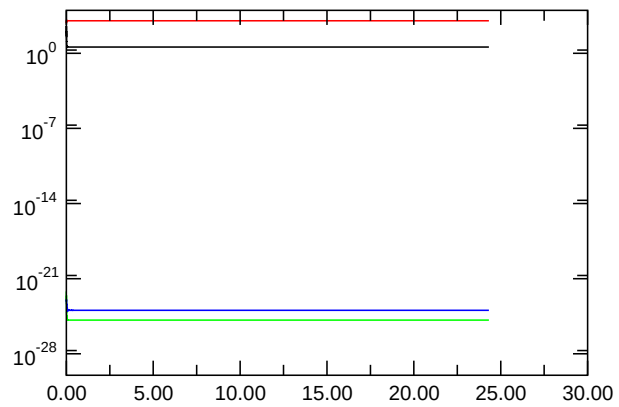
times: 17.92001 19.20001 20.48001 21.76001 23.04001 24.32001



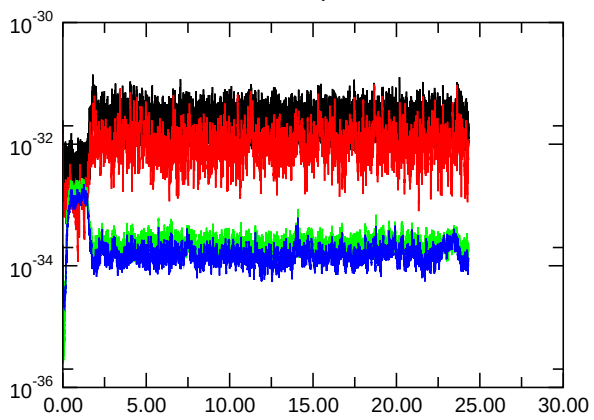
a.e03p01t03r-50000m1n2N2z4e4Y
 E_{kin}



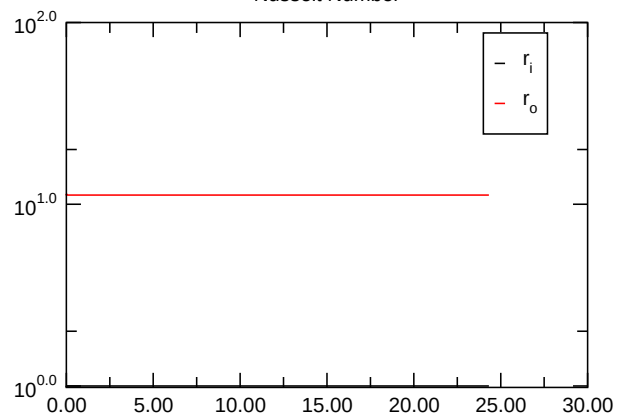
$E_{\text{kin,symm.}}$



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

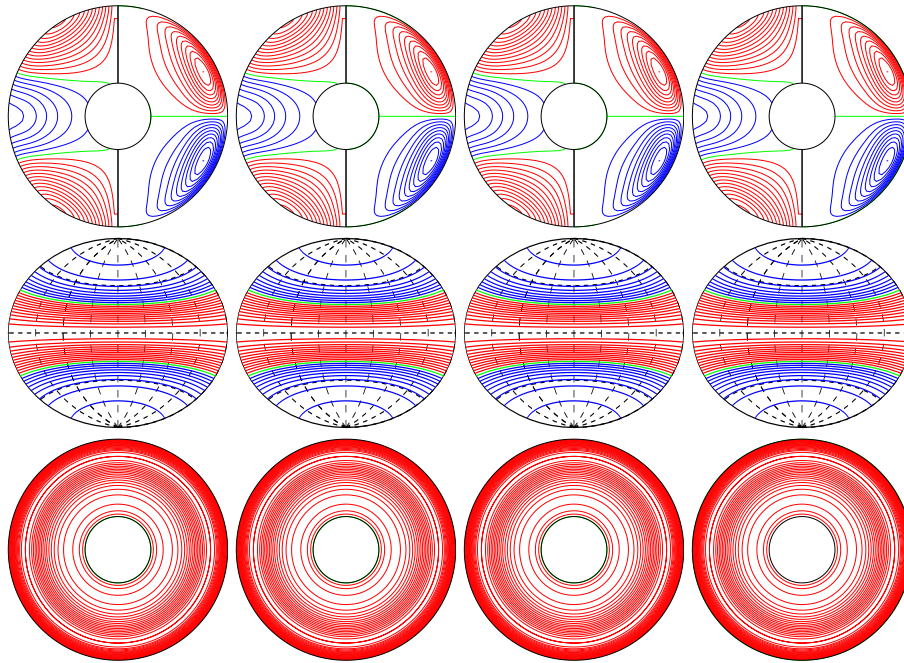


Nusselt Number

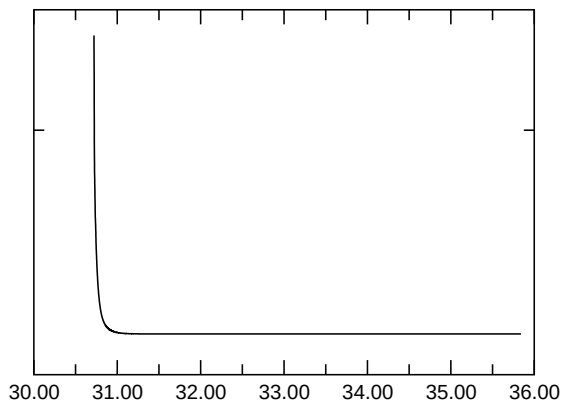


a.e03p01t03r-50000m1n2N2z4.5e4Y.5
times: 32.00001 33.28001 34.56001 35.84001

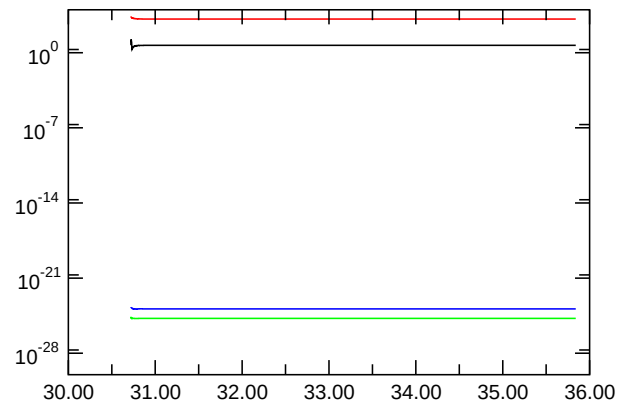
May 2, 2017



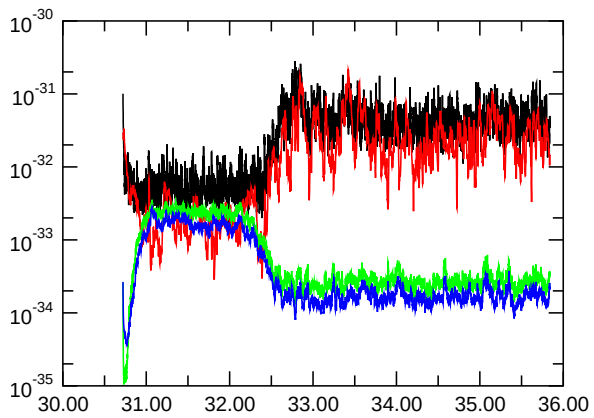
a.e03p01t03r-50000m1n2N2z4.5e4Y
 E_{kin}



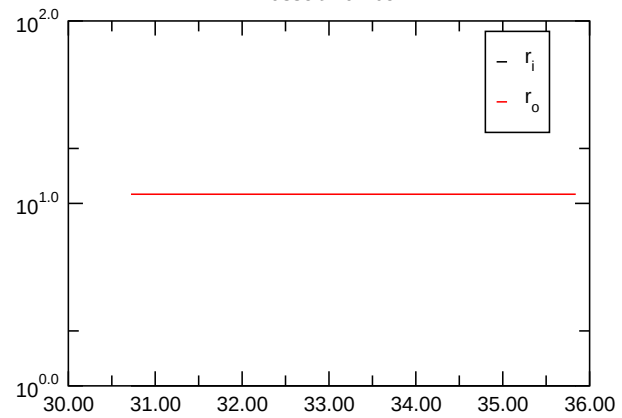
$E_{\text{kin,symm.}}$



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

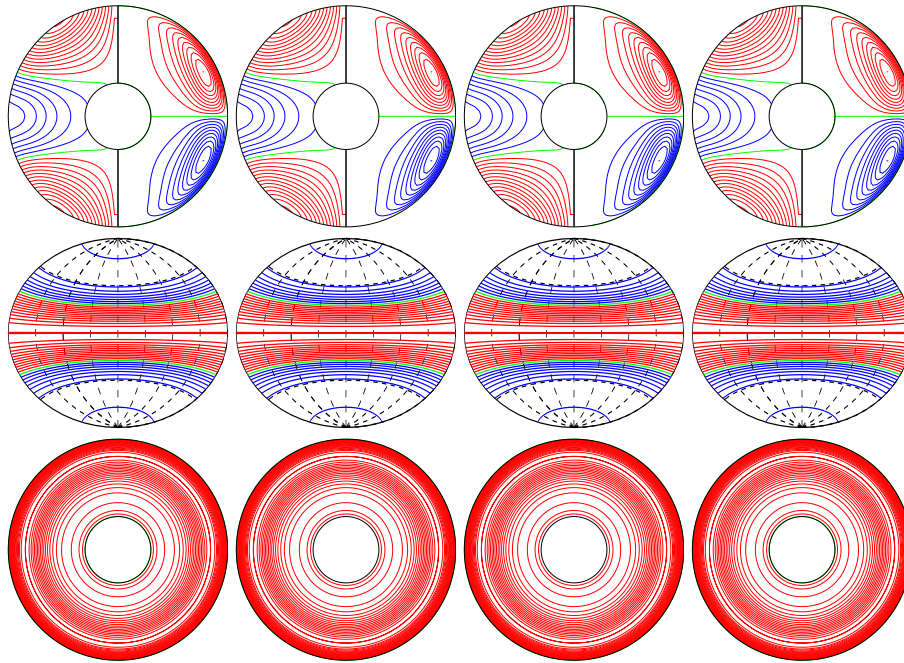


Nusselt Number

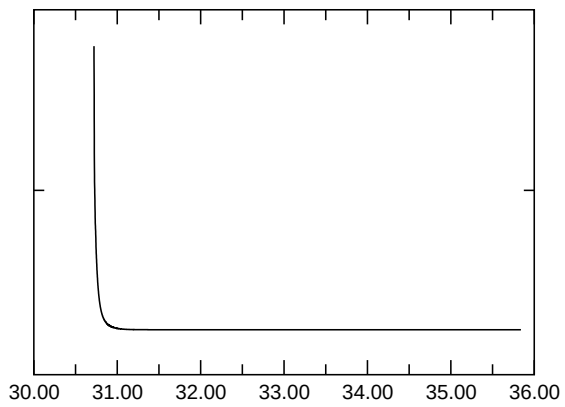


a.e03p01t03r-50000m1n2N2z5e4Y.5
times: 32.00001 33.28001 34.56001 35.84001

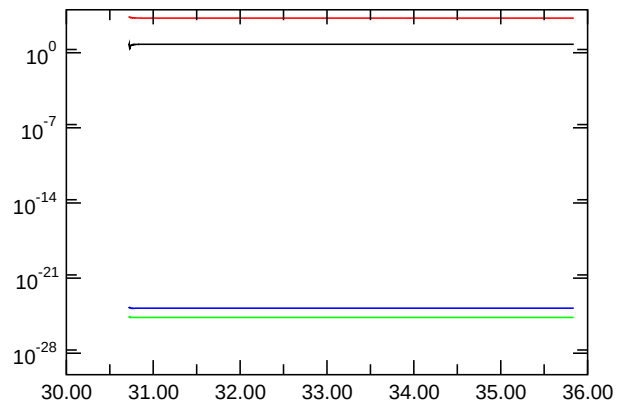
May 2, 2017



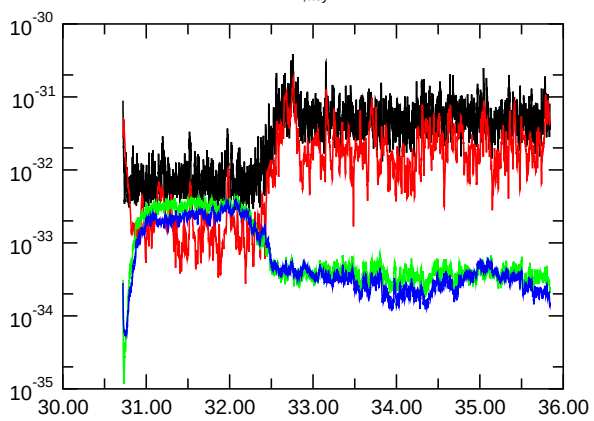
a.e03p01t03r-50000m1n2N2z5e4Y
 E_{kin}



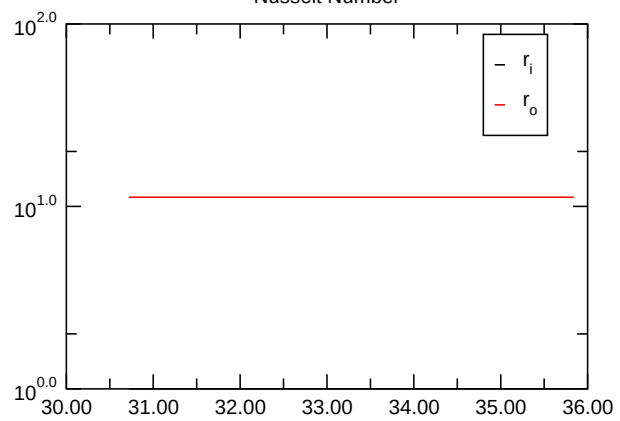
$E_{\text{kin, symm.}}$



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

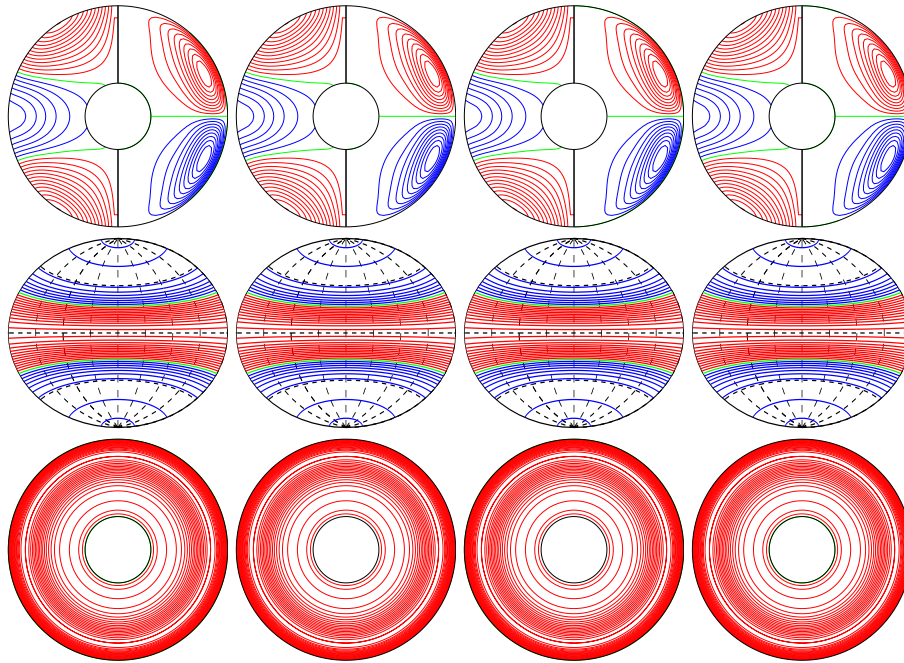


Nusselt Number

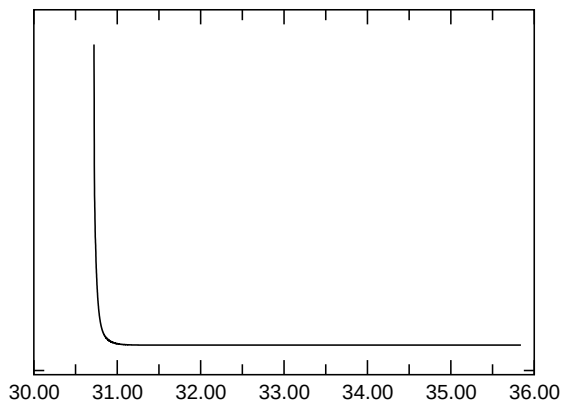


a.e03p01t03r-50000m1n2N2z5.5e4Y.5
times: 32.00001 33.28001 34.56001 35.84001

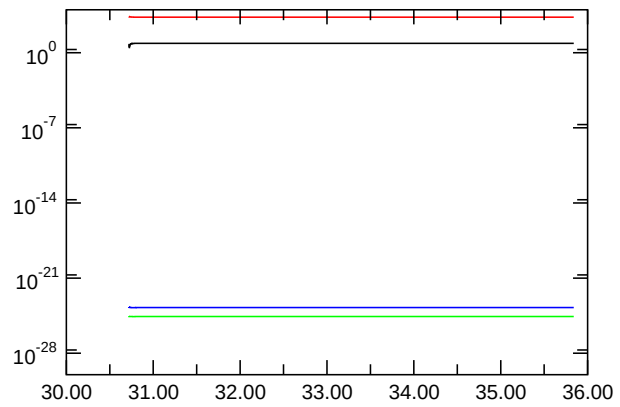
May 2, 2017



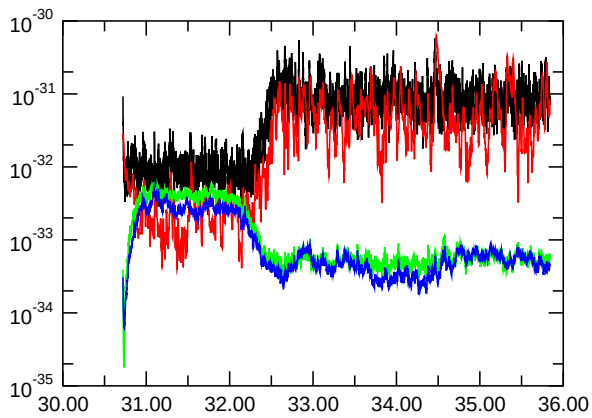
a.e03p01t03r-50000m1n2N2z5.5e4Y
 E_{kin}



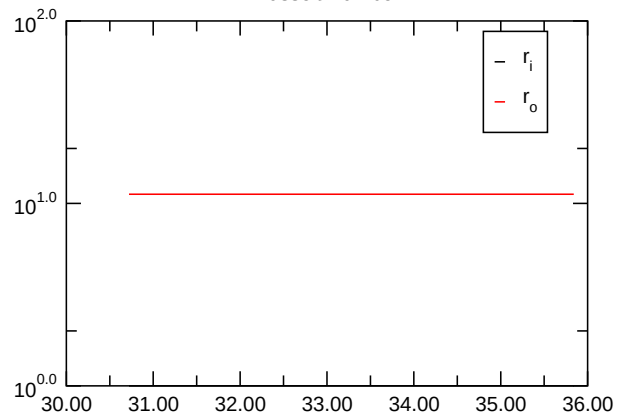
$E_{\text{kin, symm.}}$



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



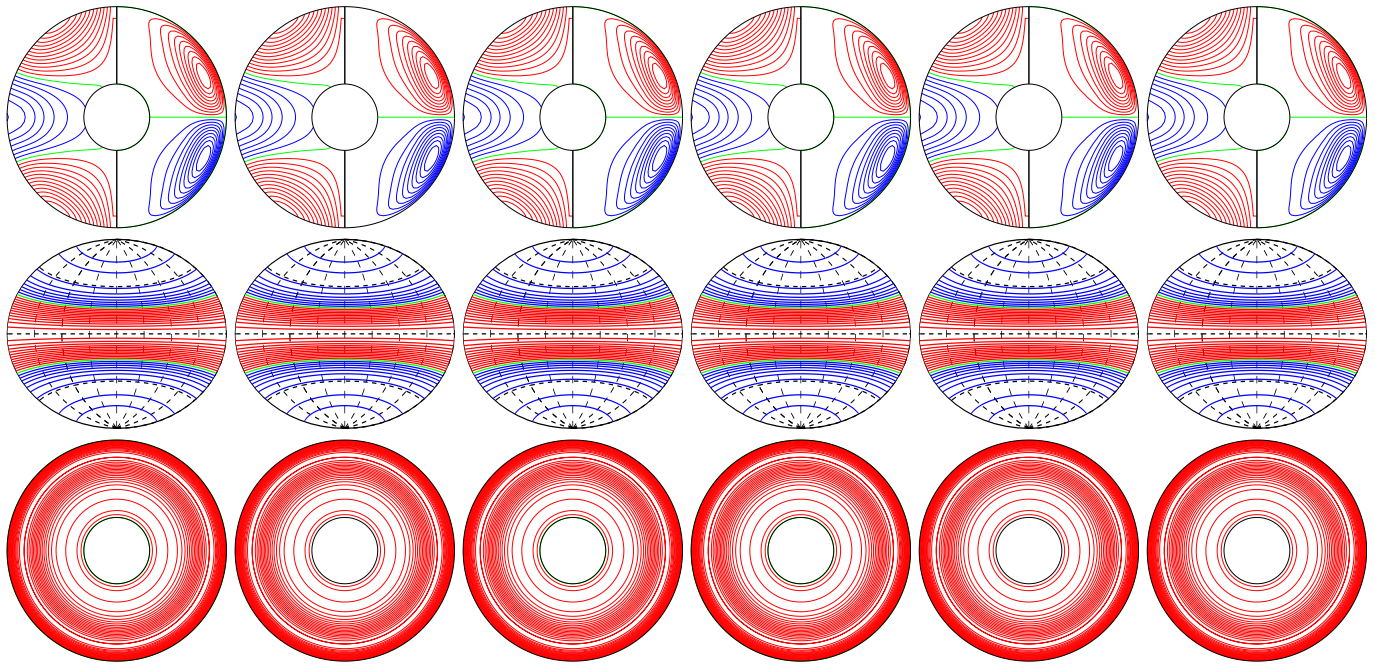
Nusselt Number



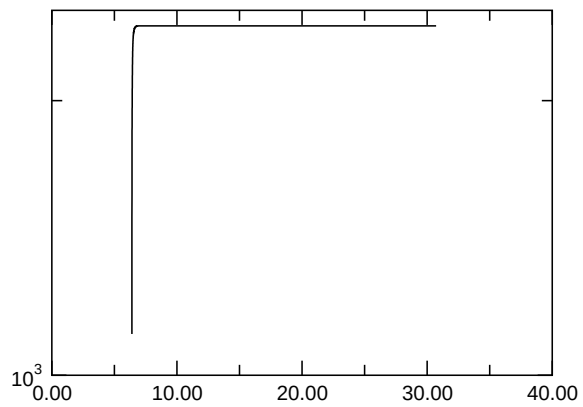
a.e03p01t03r-50000m1n2N2z6e4Y.20

May 2, 2017

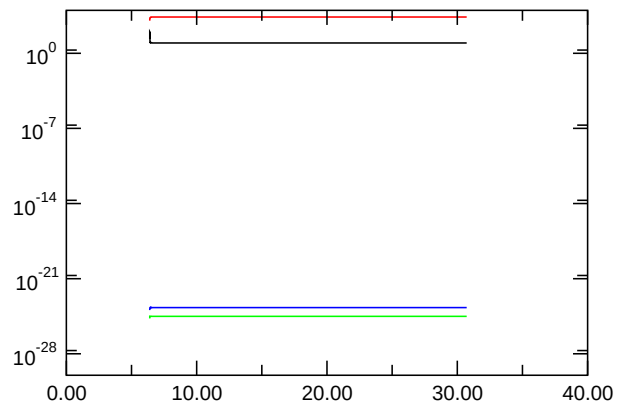
times: 24.32001 25.60001 26.88001 28.16001 29.44001 30.72001



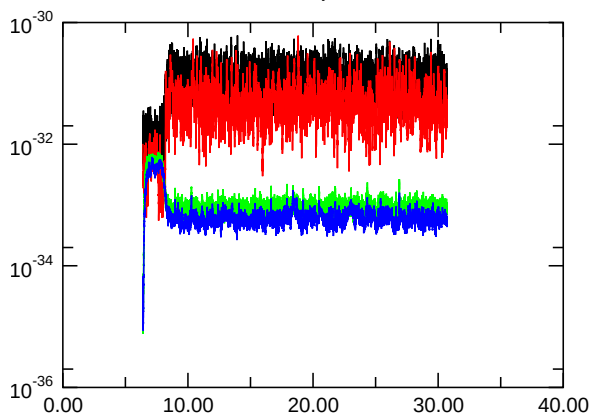
a.e03p01t03r-50000m1n2N2z6e4Y
 E_{kin}



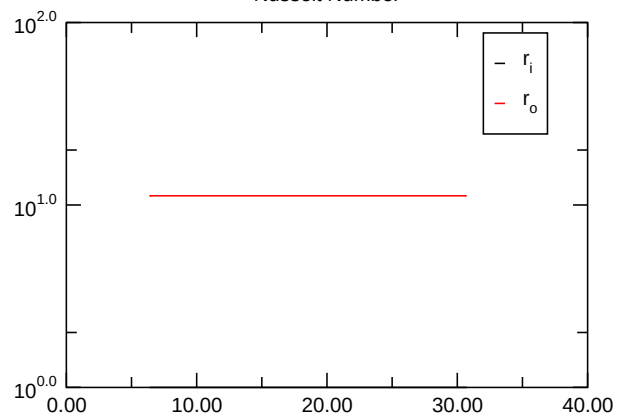
$E_{\text{kin, symm.}}$



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

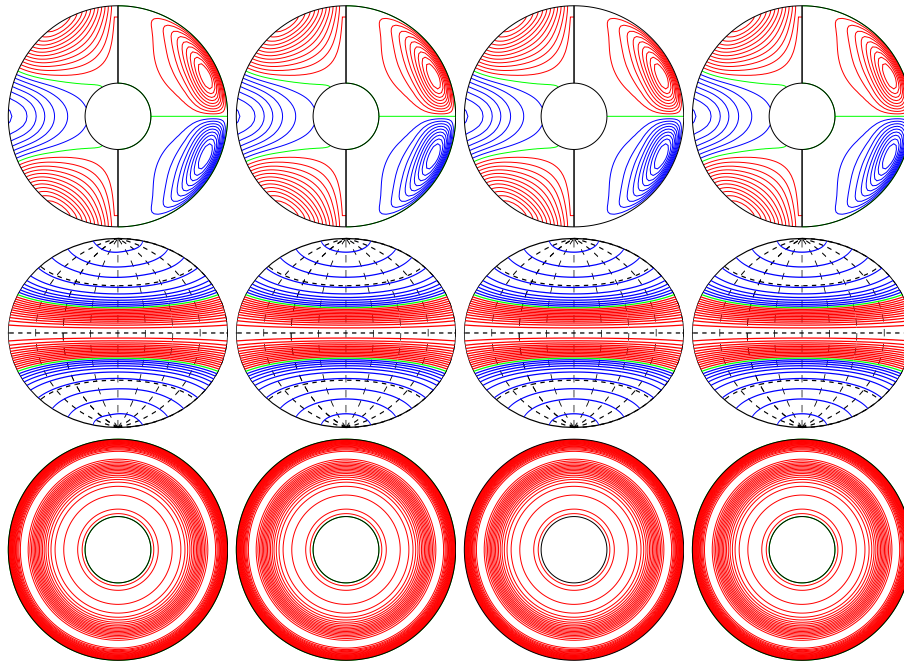


Nusselt Number

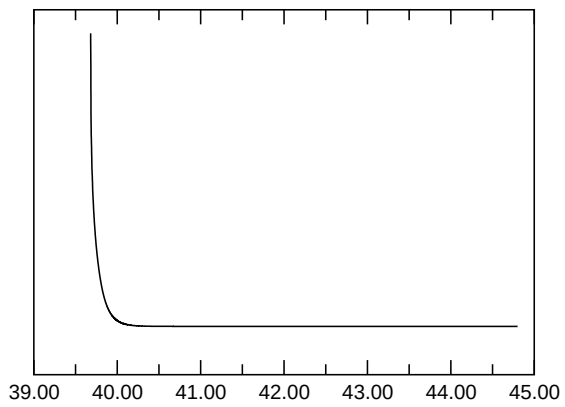


a.e03p01t03r-50000m1n2N2z6.5e4Y.5
times: 40.96001 42.24001 43.52001 44.80001

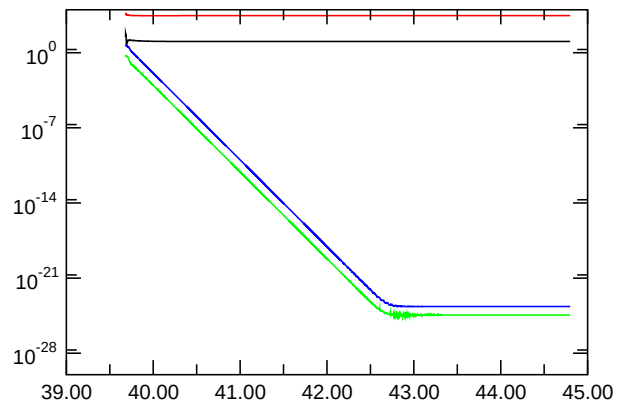
May 2, 2017



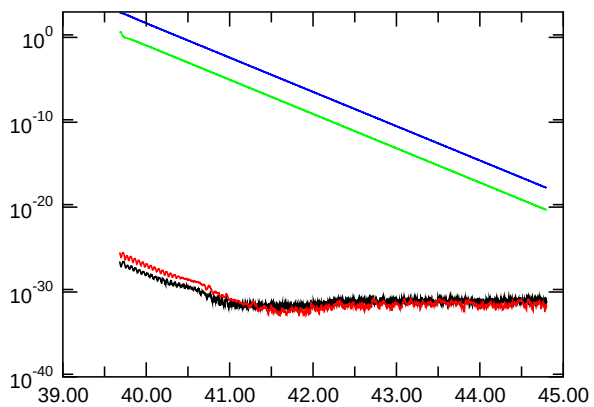
a.e03p01t03r-50000m1n2N2z6.5e4Y
 E_{kin}



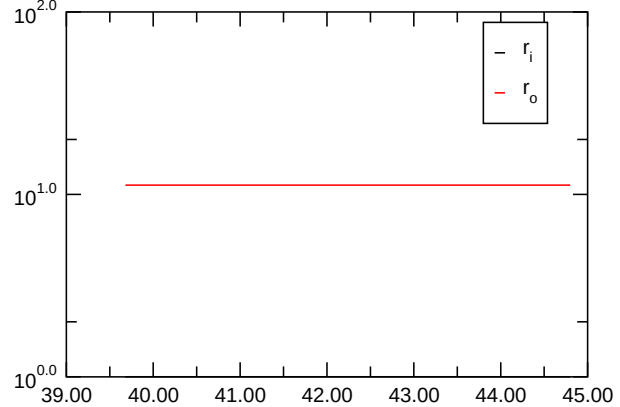
$E_{\text{kin,symm.}}$



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

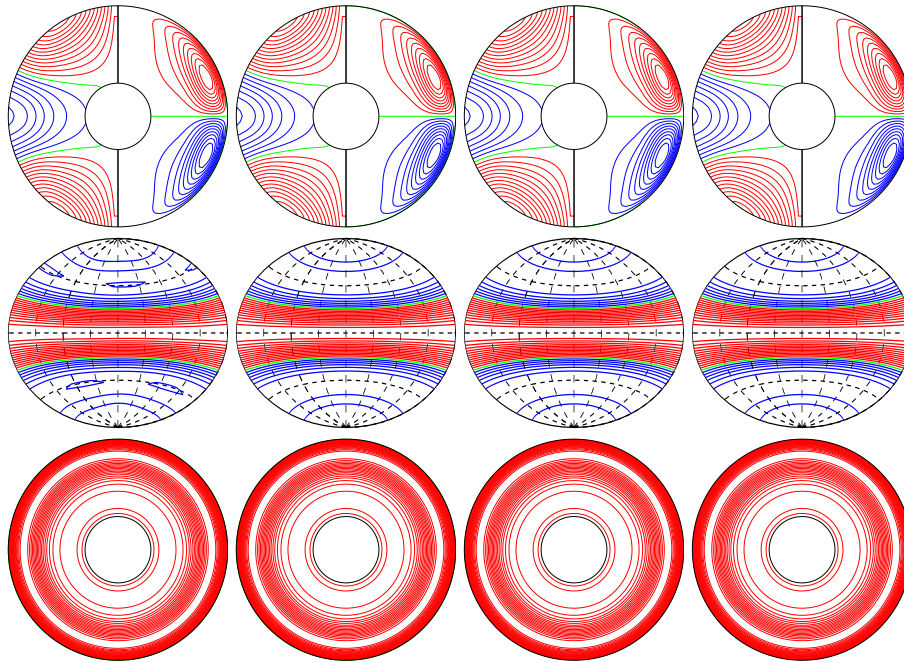


Nusselt Number

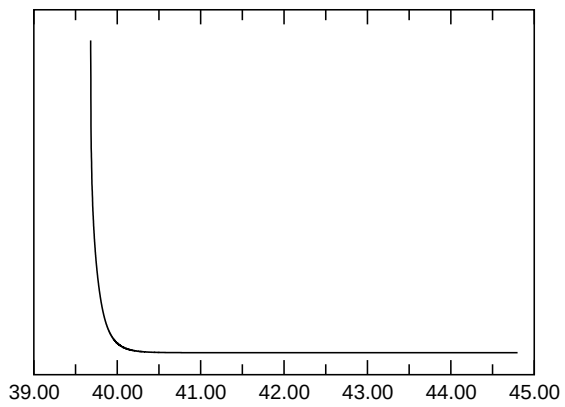


a.e03p01t03r-50000m1n2N2z7e4Y.5
times: 40.96001 42.24001 43.52001 44.80001

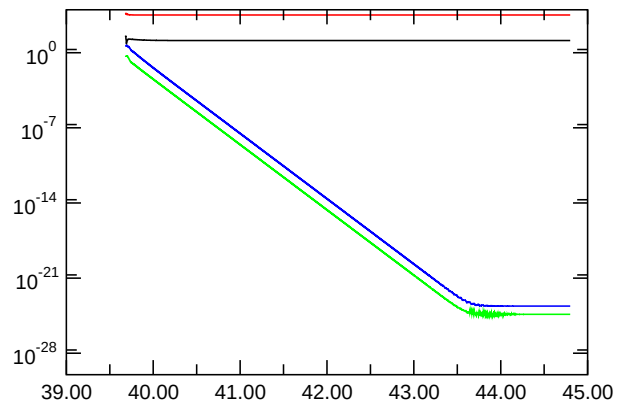
May 2, 2017



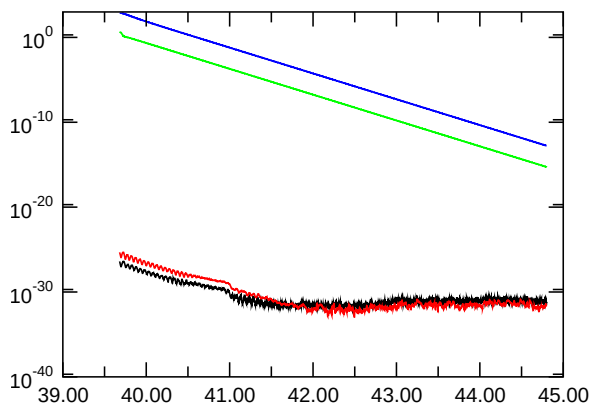
a.e03p01t03r-50000m1n2N2z7e4Y
 E_{kin}



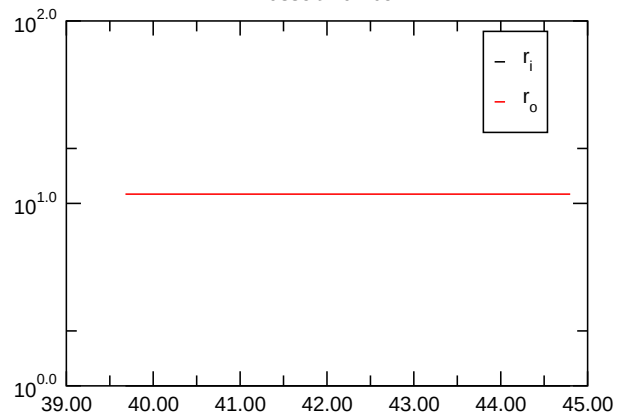
$E_{\text{kin, symm.}}$



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

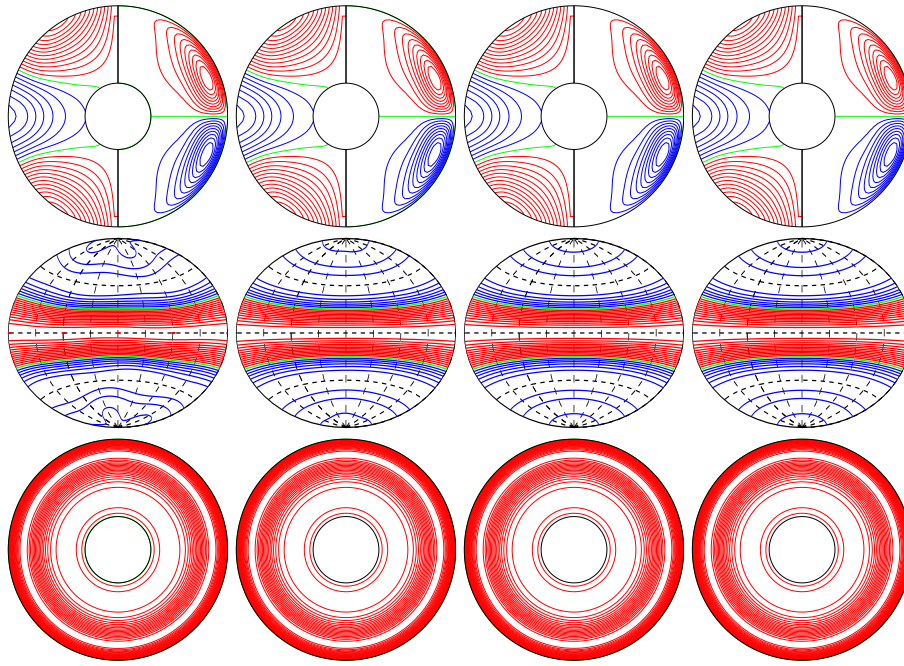


Nusselt Number

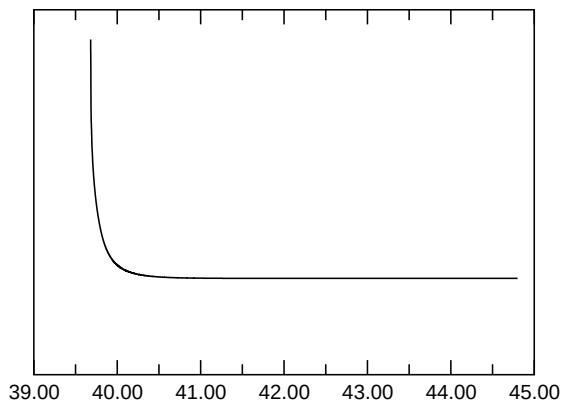


a.e03p01t03r-50000m1n2N2z7.5e4Y.5
times: 40.96001 42.24001 43.52001 44.80001

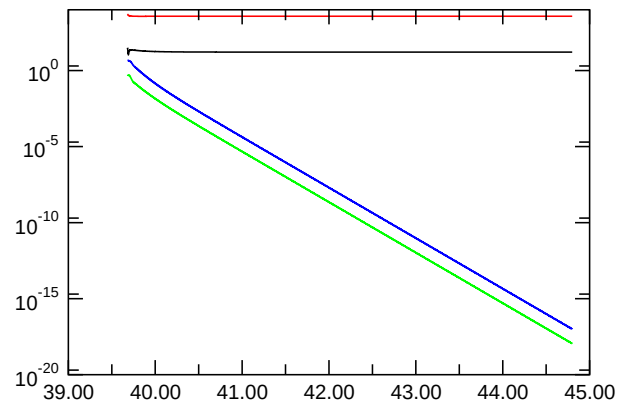
May 2, 2017



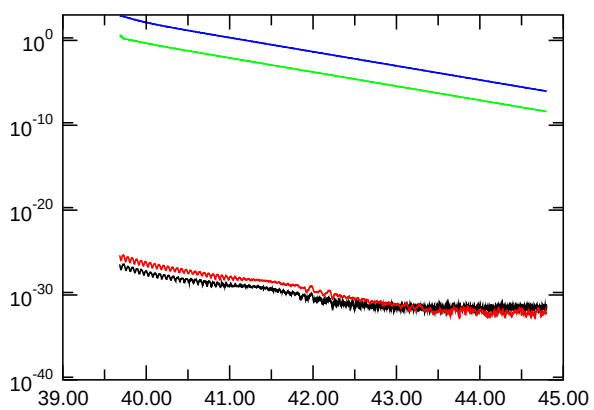
a.e03p01t03r-50000m1n2N2z7.5e4Y
 E_{kin}



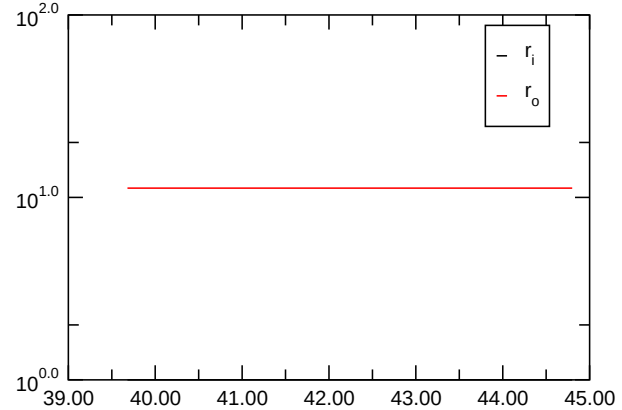
$E_{\text{kin,symm.}}$



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



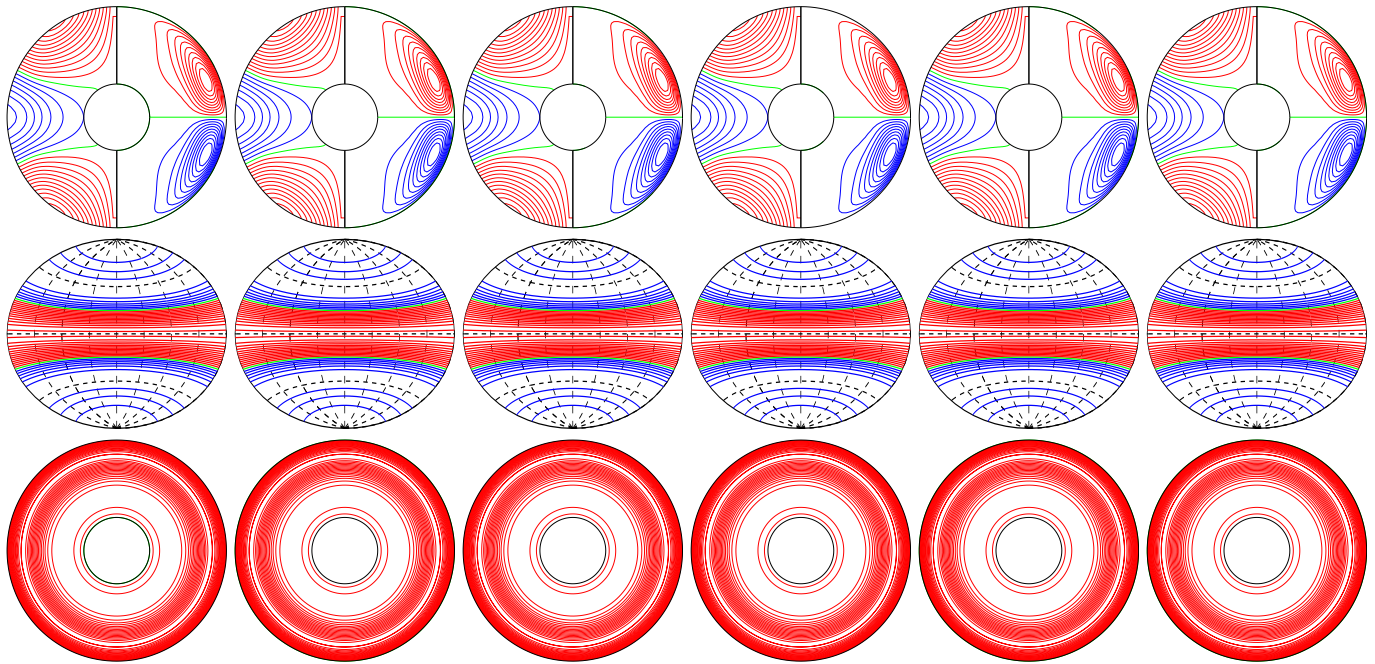
Nusselt Number



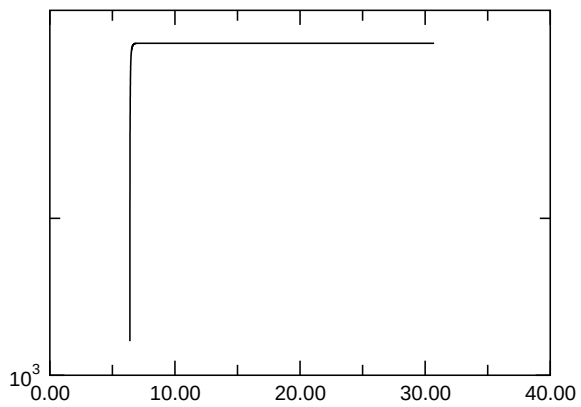
a.e03p01t03r-50000m1n2N2z8e4Y.20

May 2, 2017

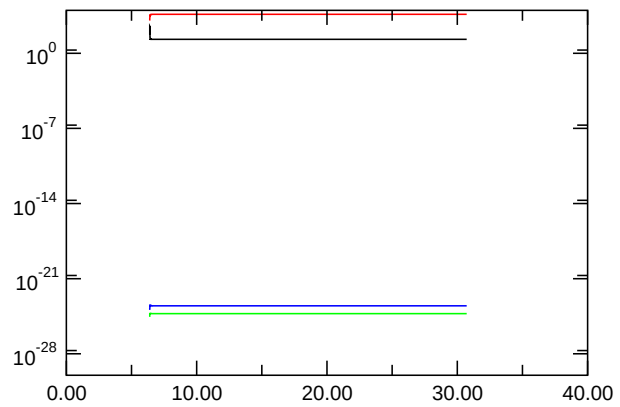
times: 24.32001 25.60001 26.88001 28.16001 29.44001 30.72001



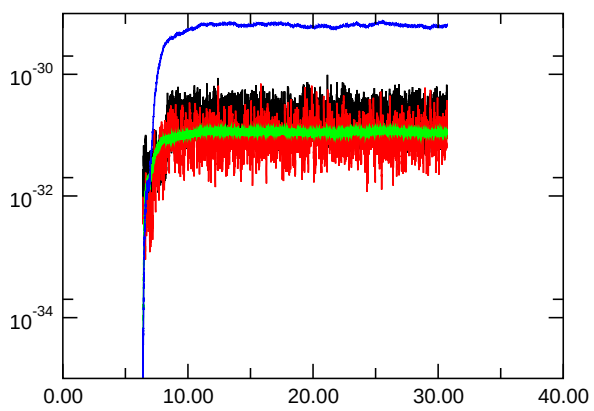
a.e03p01t03r-50000m1n2N2z8e4Y
 E_{kin}



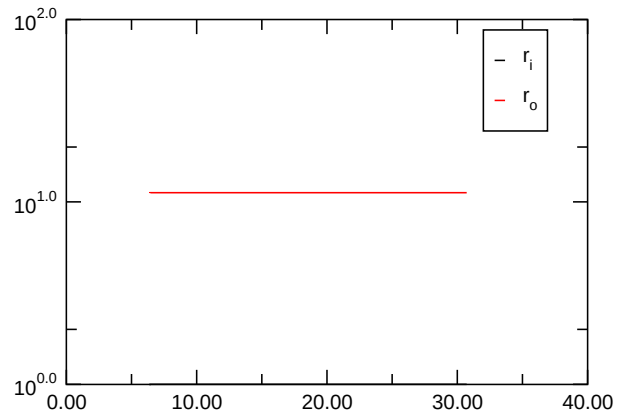
$E_{\text{kin,symm.}}$



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



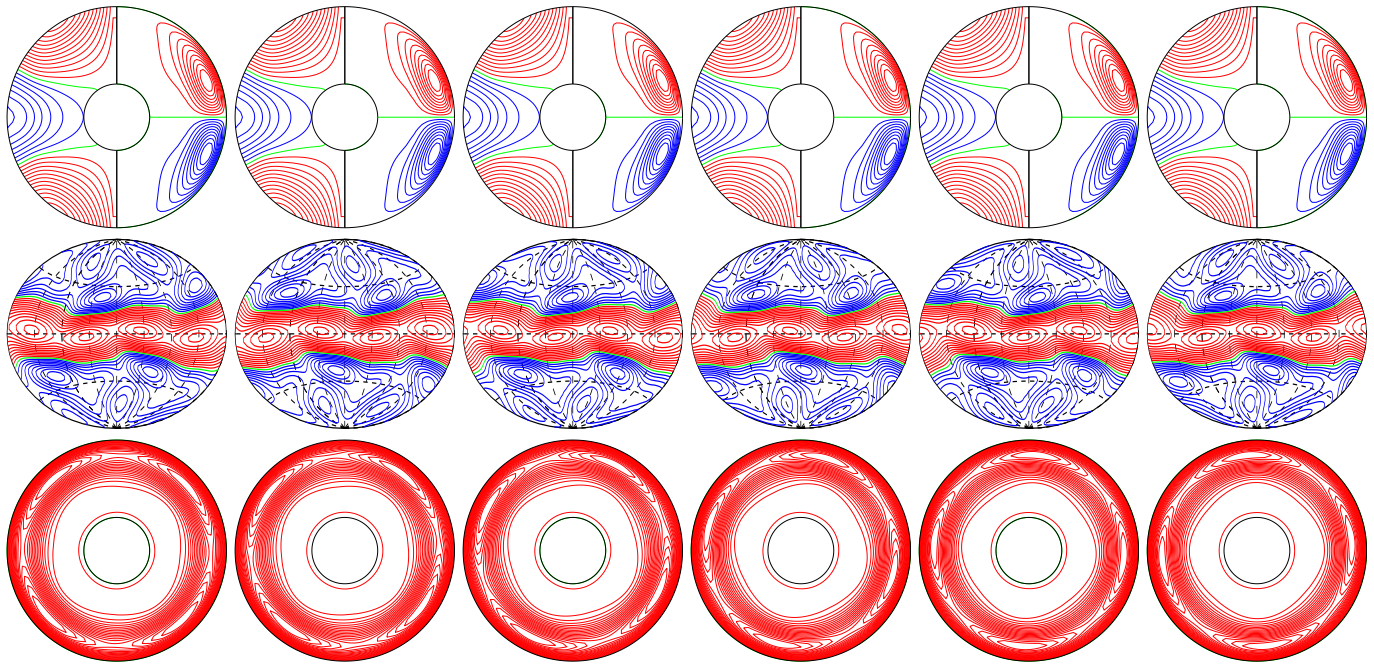
Nusselt Number



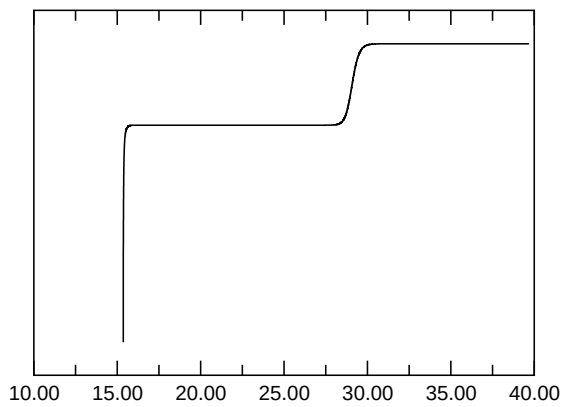
a.e03p01t03r-50000m1n2N2z8.5e4b.20

May 2, 2017

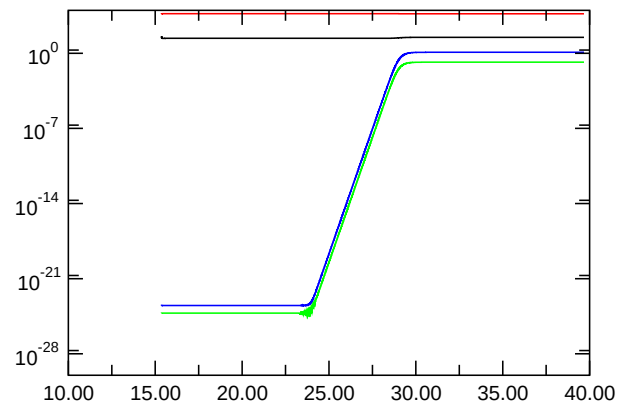
times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001



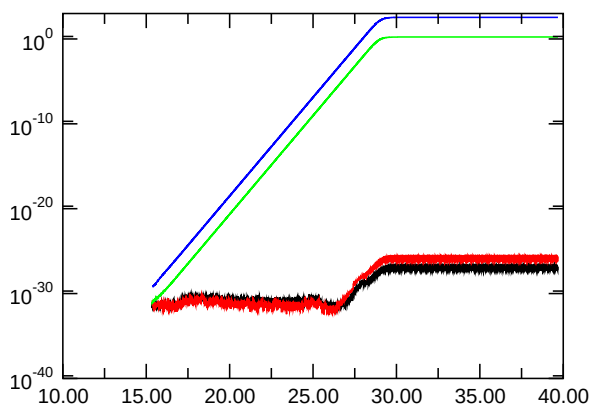
a.e03p01t03r-50000m1n2N2z8.5e4b
 E_{kin}



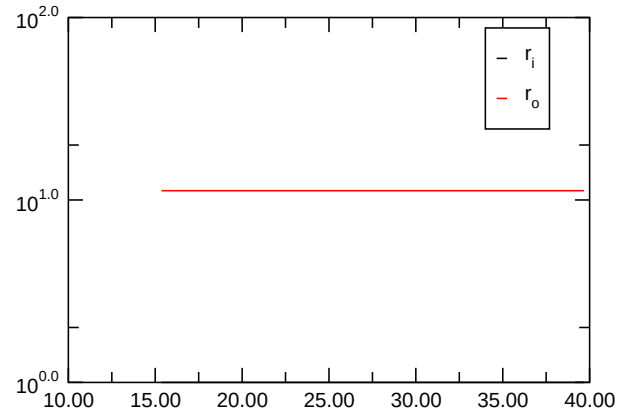
$E_{\text{kin,symm.}}$



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



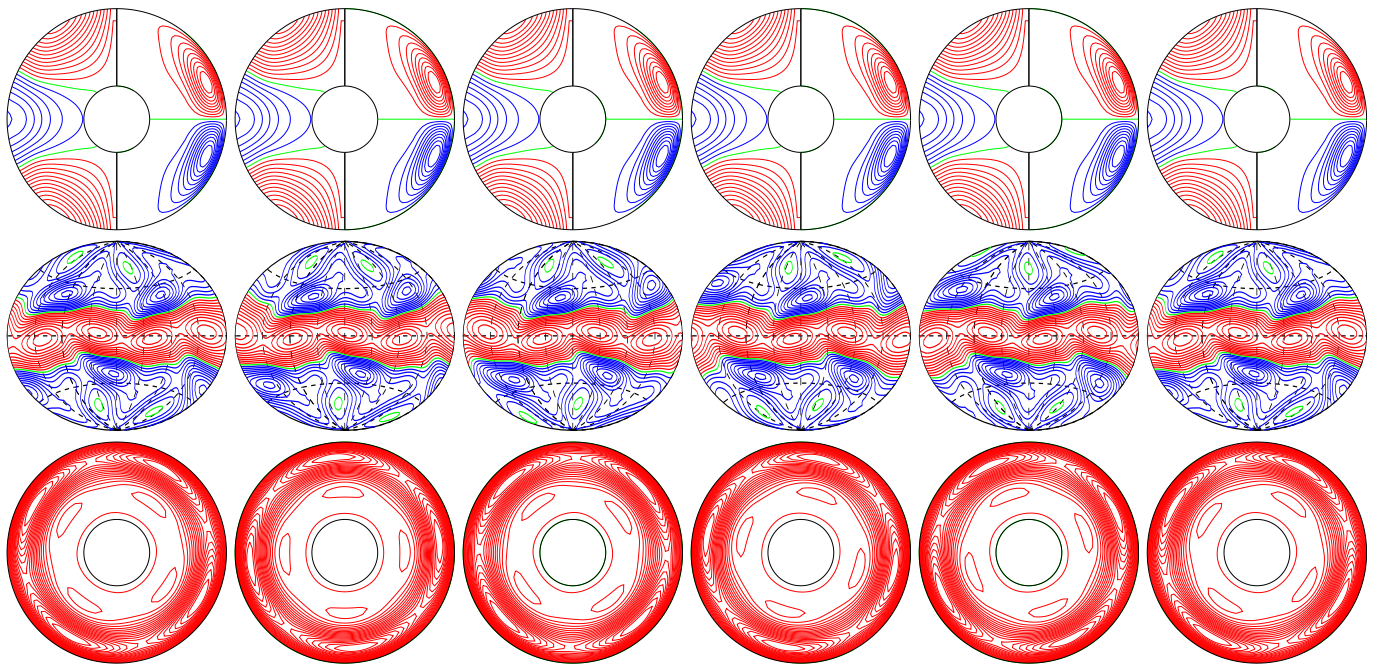
Nusselt Number



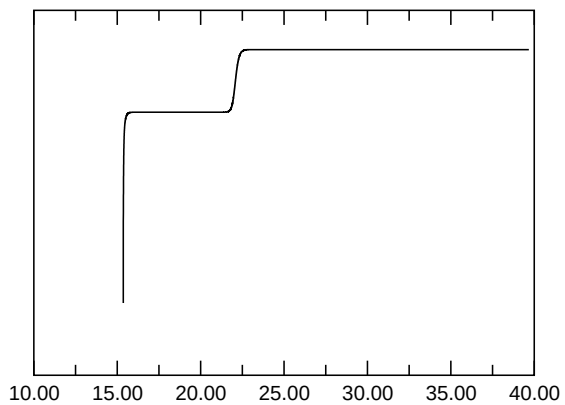
a.e03p01t03r-50000m1n2N2z9e4b.20

times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001

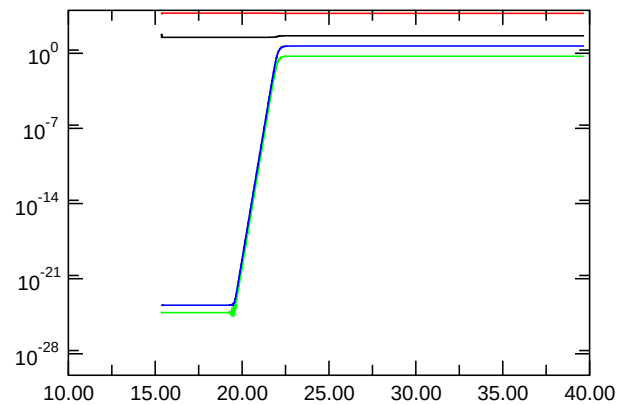
May 2, 2017



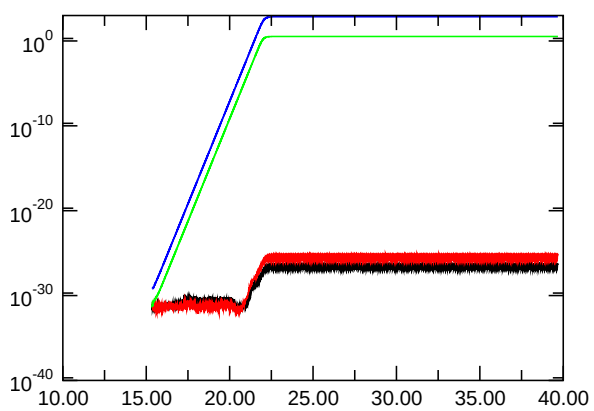
a.e03p01t03r-50000m1n2N2z9e4b
 E_{kin}



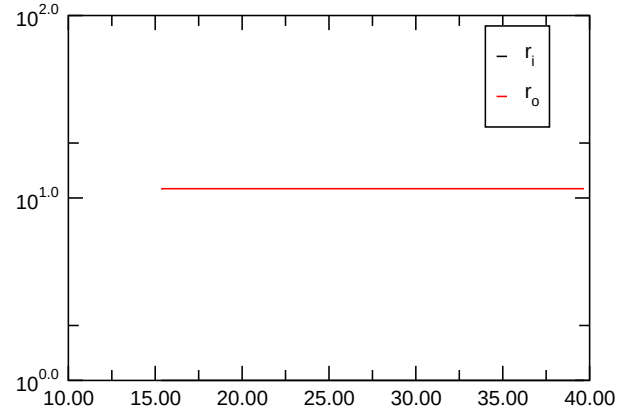
$E_{\text{kin,symm.}}$



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



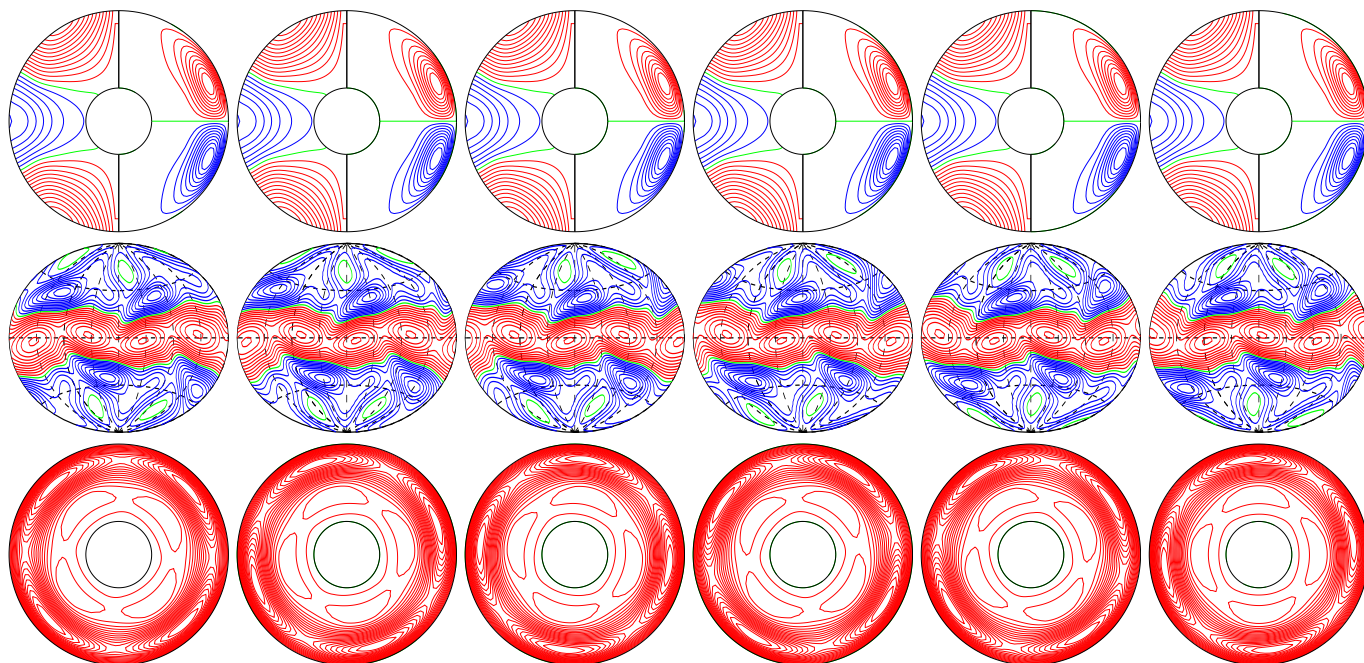
Nusselt Number



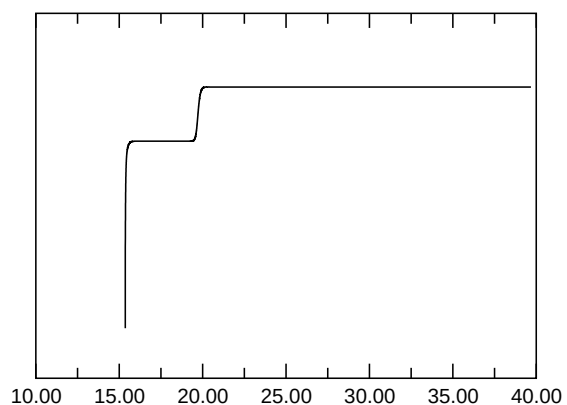
a.e03p01t03r-50000m1n2N2z9.5e4b.20

times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001

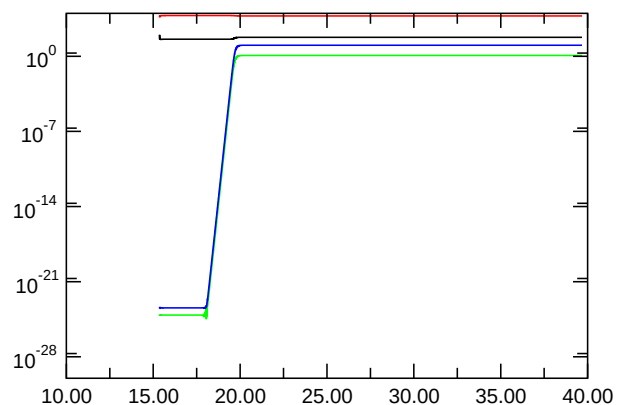
May 2, 2017



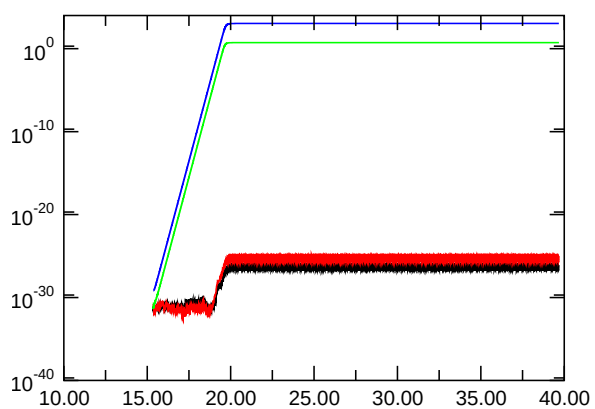
a.e03p01t03r-50000m1n2N2z9.5e4b
 E_{kin}



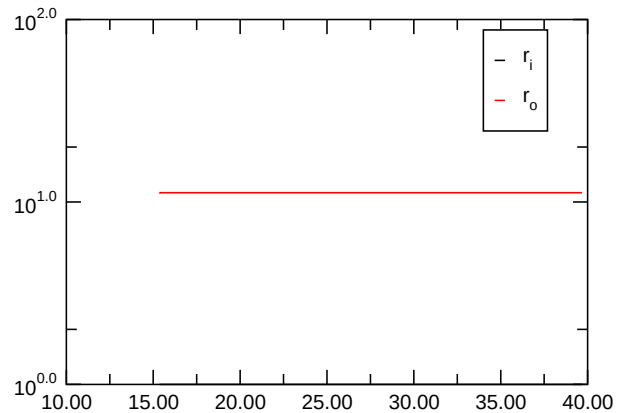
$E_{\text{kin,symm.}}$



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



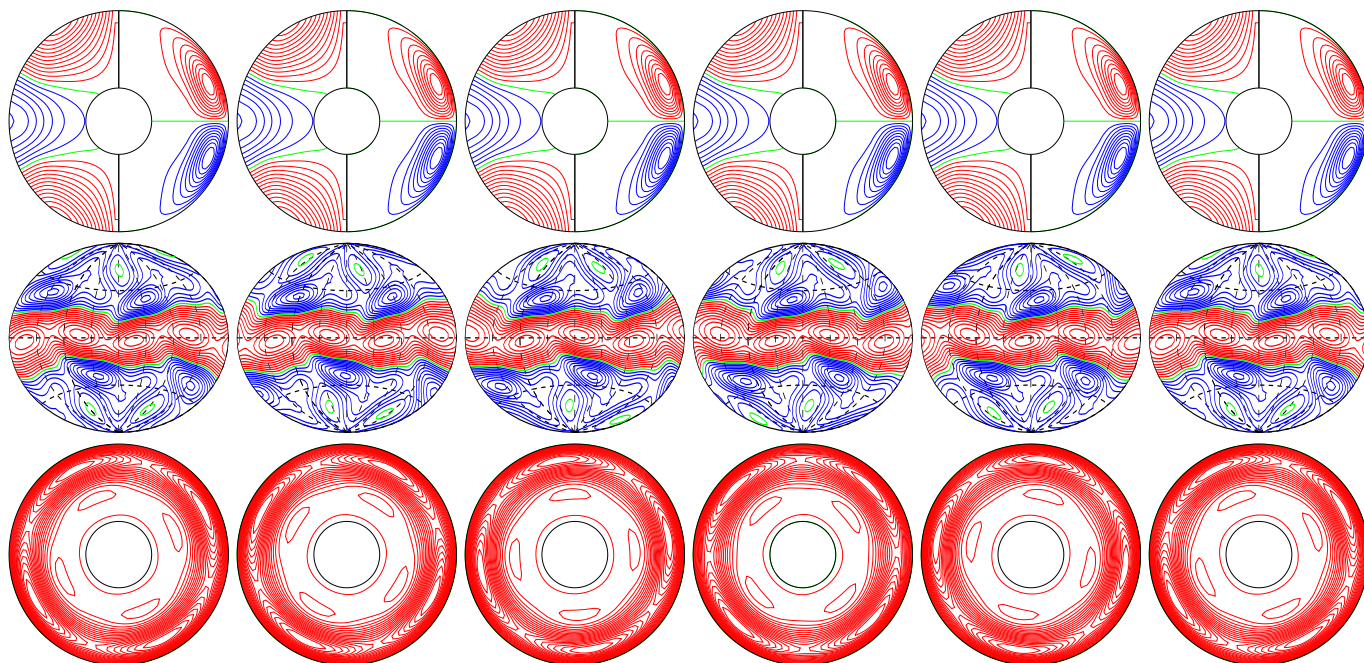
Nusselt Number



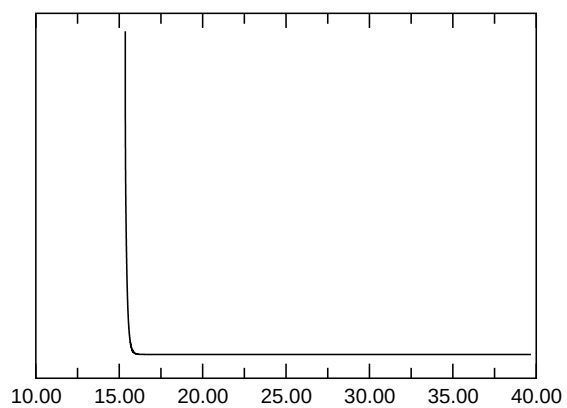
a.e03p01t03r-50000m1n2N2z9e4a.20

times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001

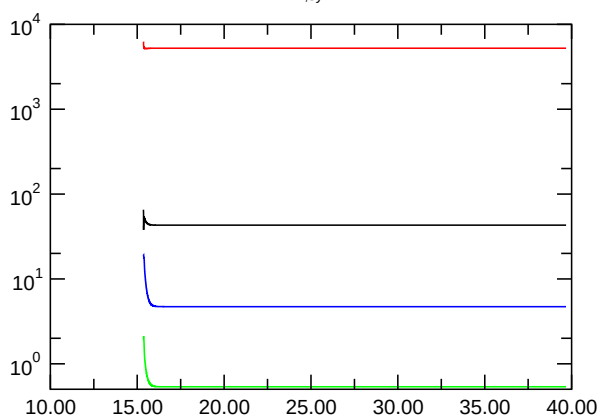
May 2, 2017



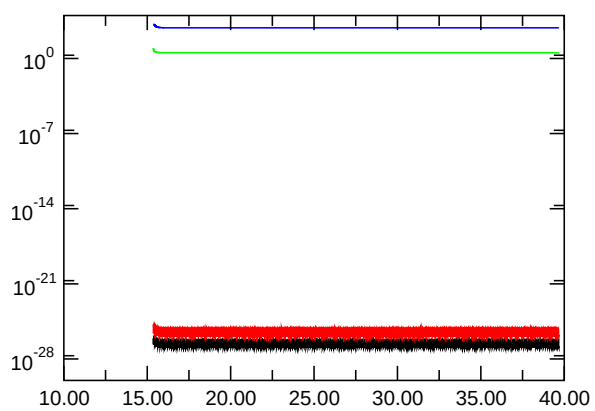
a.e03p01t03r-50000m1n2N2z9e4a
 E_{kin}



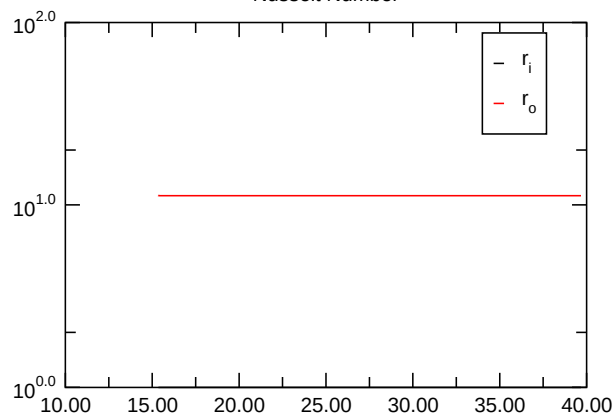
$E_{\text{kin,symm.}}$



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



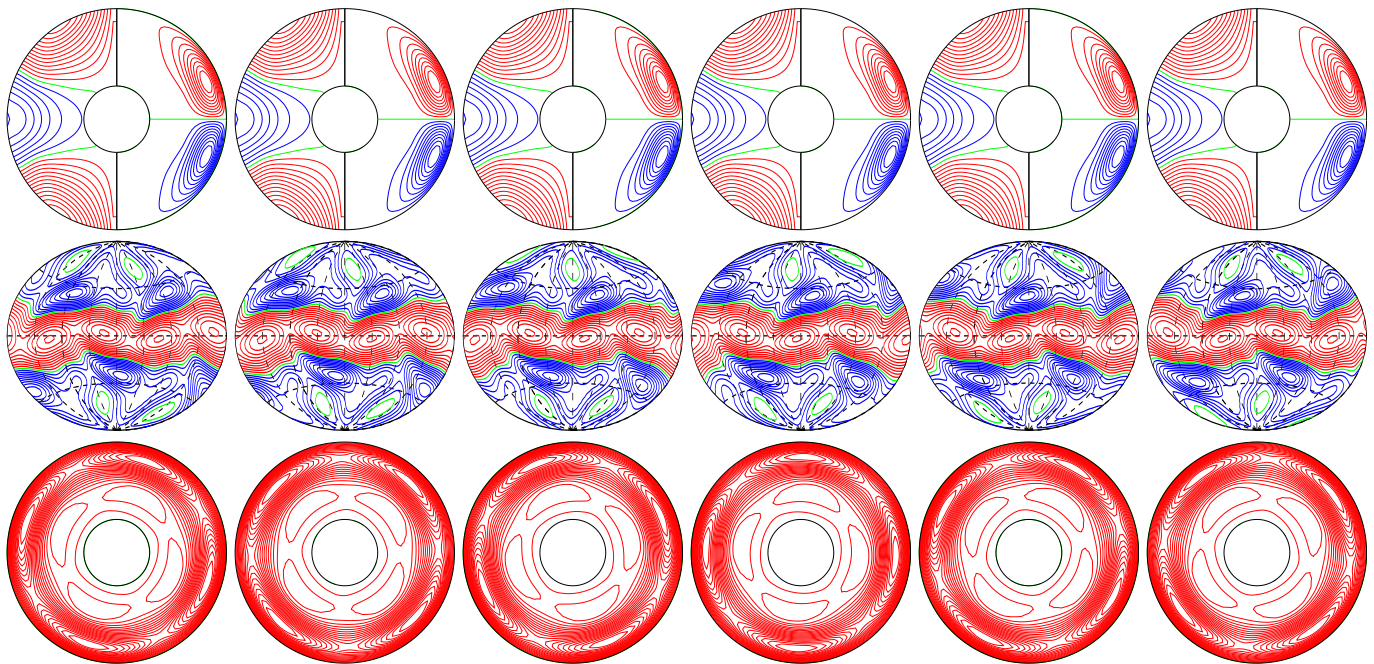
Nusselt Number



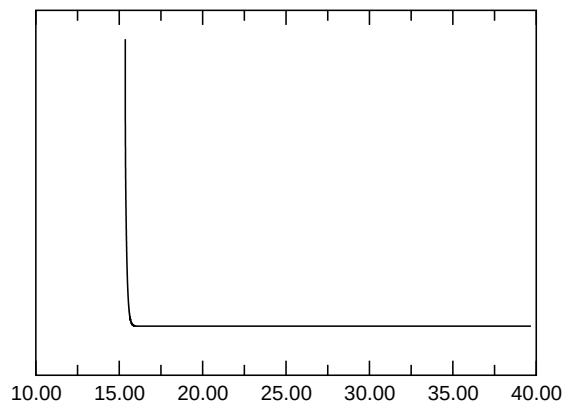
a.e03p01t03r-50000m1n2N2z9.5e4a.20

times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001

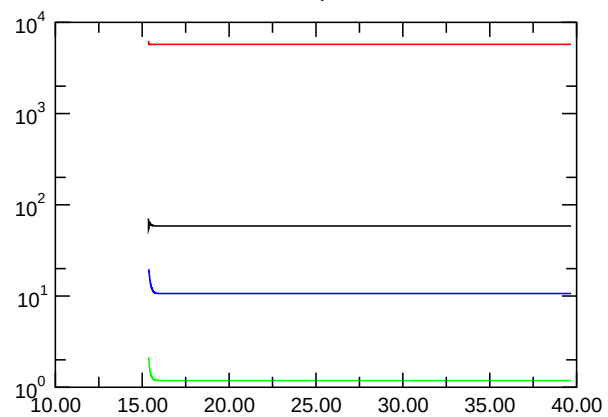
May 2, 2017



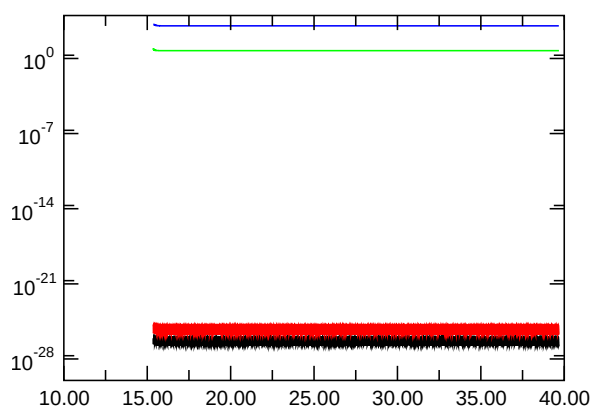
a.e03p01t03r-50000m1n2N2z9.5e4a
 E_{kin}



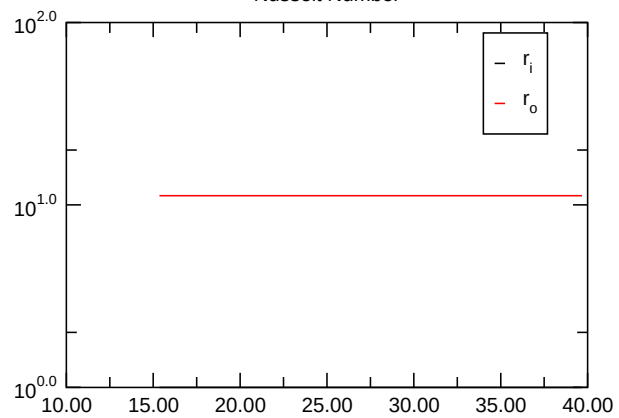
$E_{\text{kin,symm.}}$



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



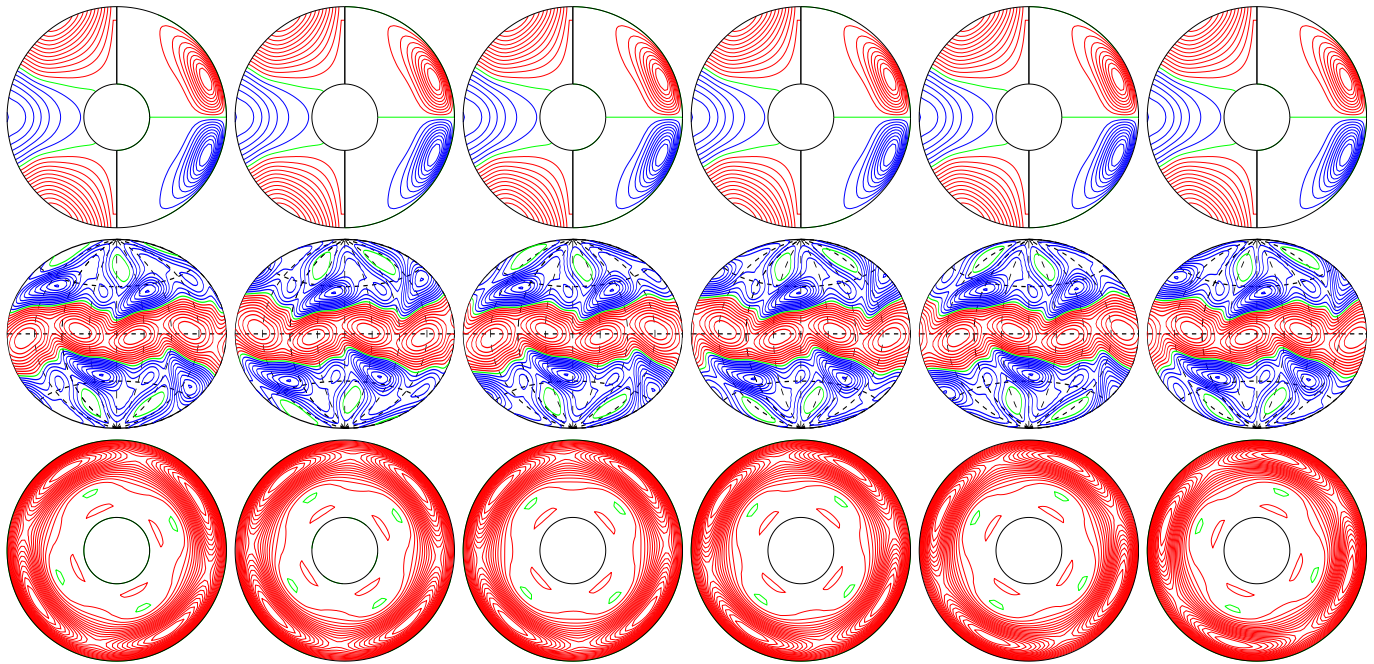
Nusselt Number



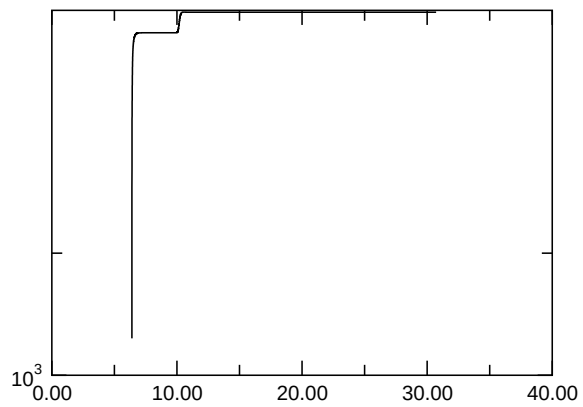
a.e03p01t03r-50000m1n2N2z10e4Y.20

times: 24.32001 25.60001 26.88001 28.16001 29.44001 30.72001

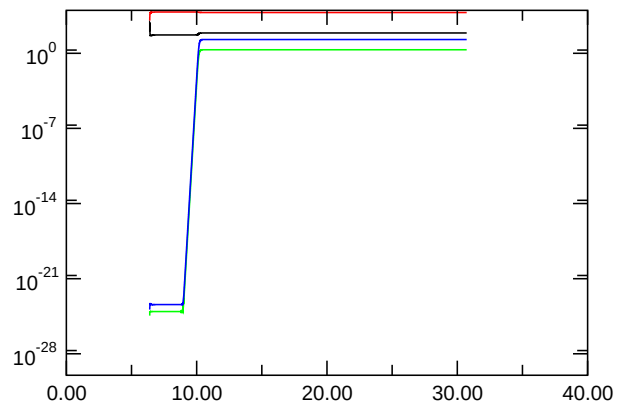
May 2, 2017



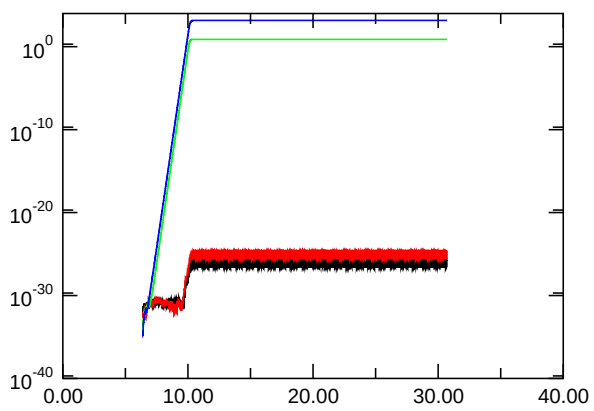
a.e03p01t03r-50000m1n2N2z10e4Y
 E_{kin}



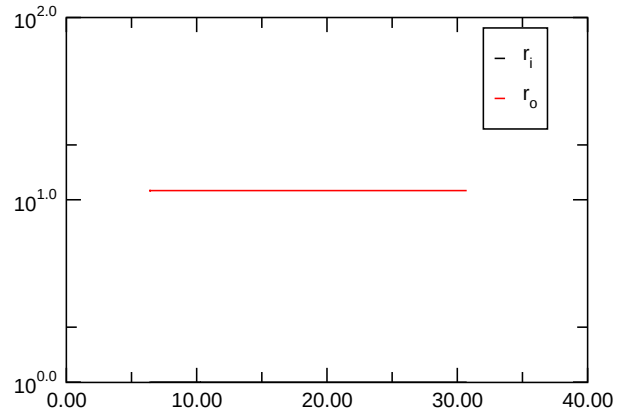
$E_{\text{kin,symm.}}$



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

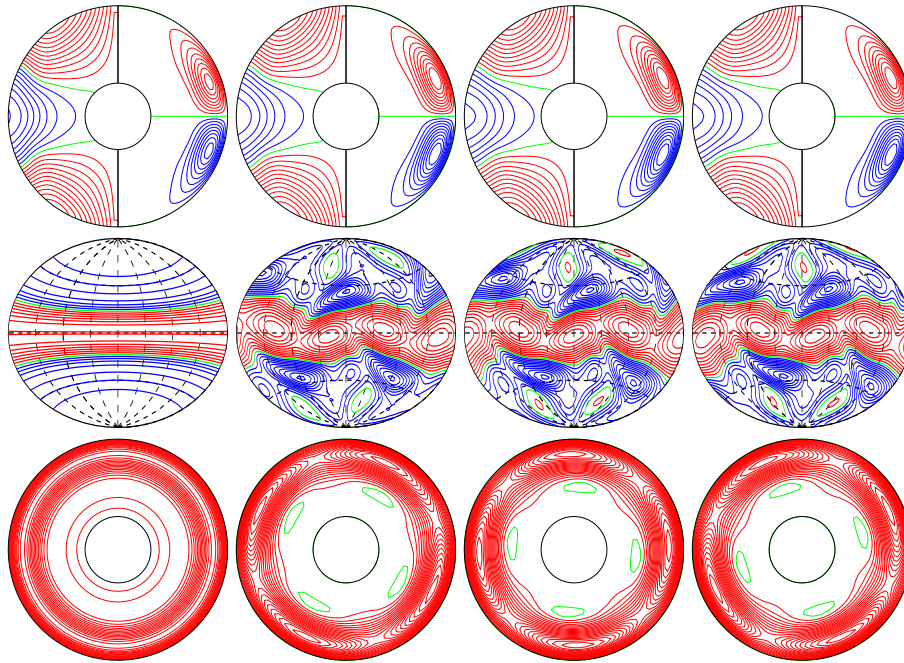


Nusselt Number

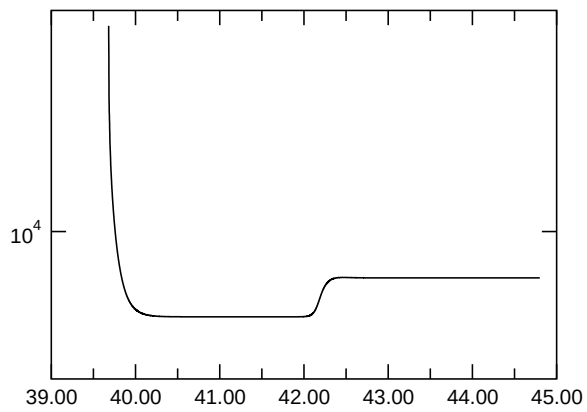


a.e03p01t03r-50000m1n2N2z10.4e4.5
times: 40.96001 42.24001 43.52001 44.80001

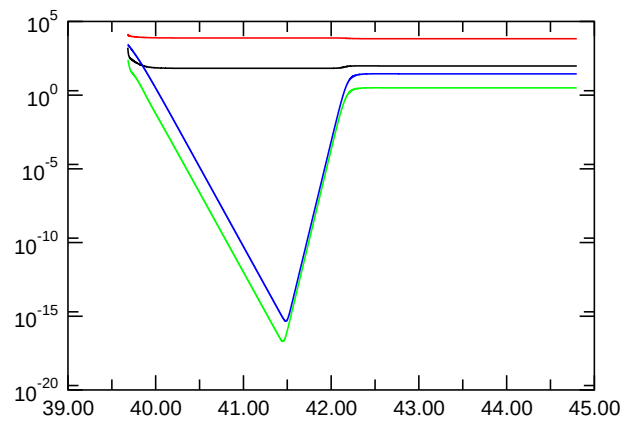
May 2, 2017



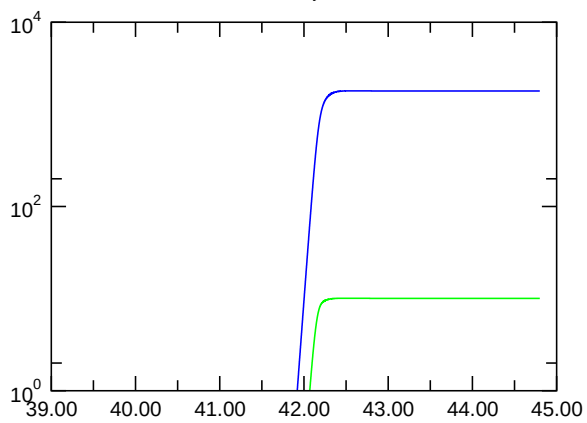
a.e03p01t03r-50000m1n2N2z10.4e4
 E_{kin}



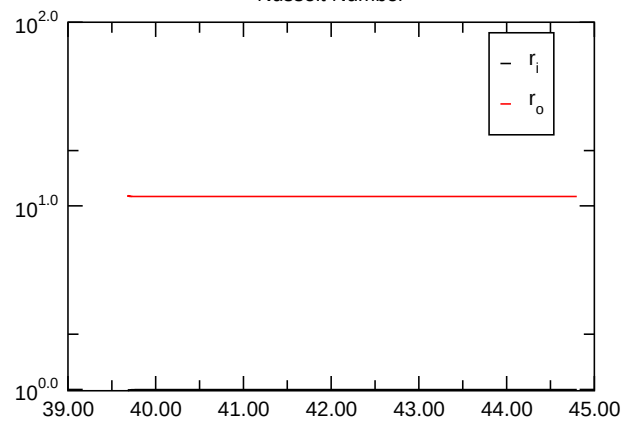
$E_{\text{kin,symm.}}$



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

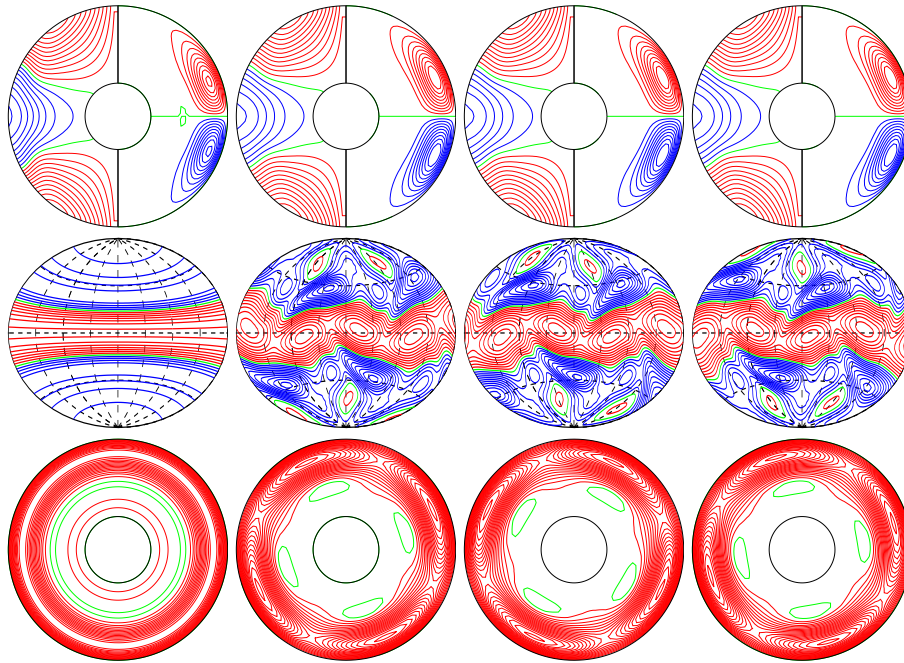


Nusselt Number

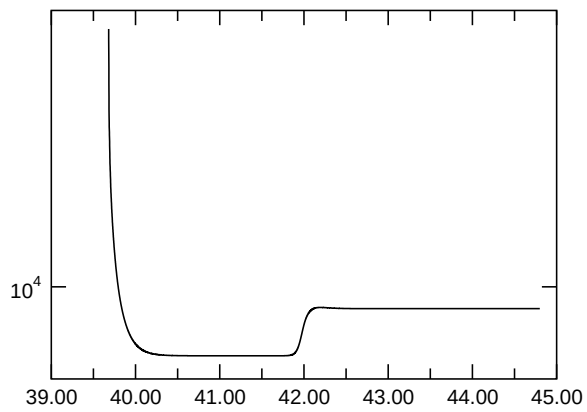


a.e03p01t03r-50000m1n2N2z10.8e4.5
times: 40.96001 42.24001 43.52001 44.80001

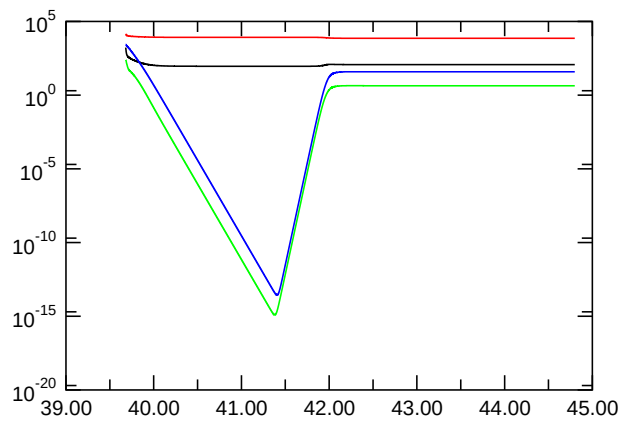
May 2, 2017



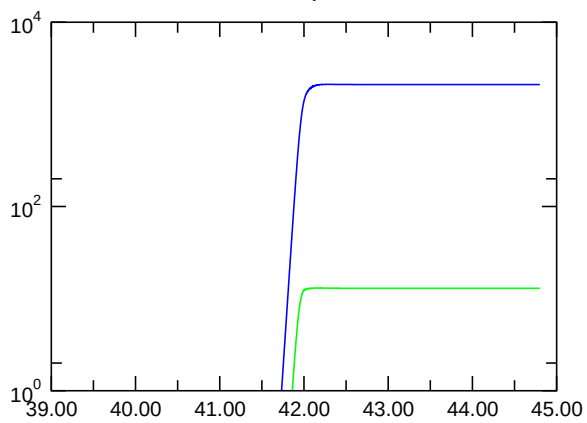
a.e03p01t03r-50000m1n2N2z10.8e4
 E_{kin}



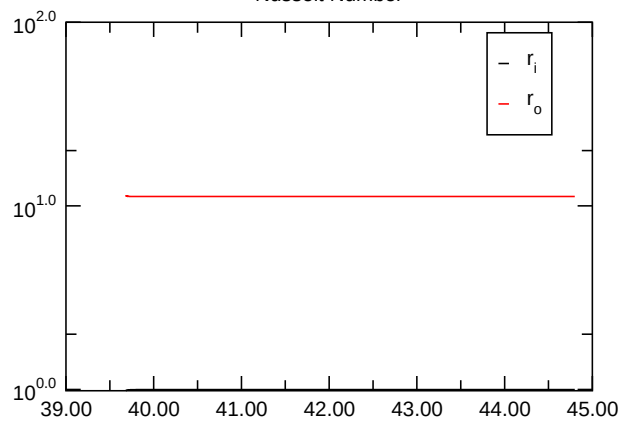
$E_{\text{kin,symm.}}$



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

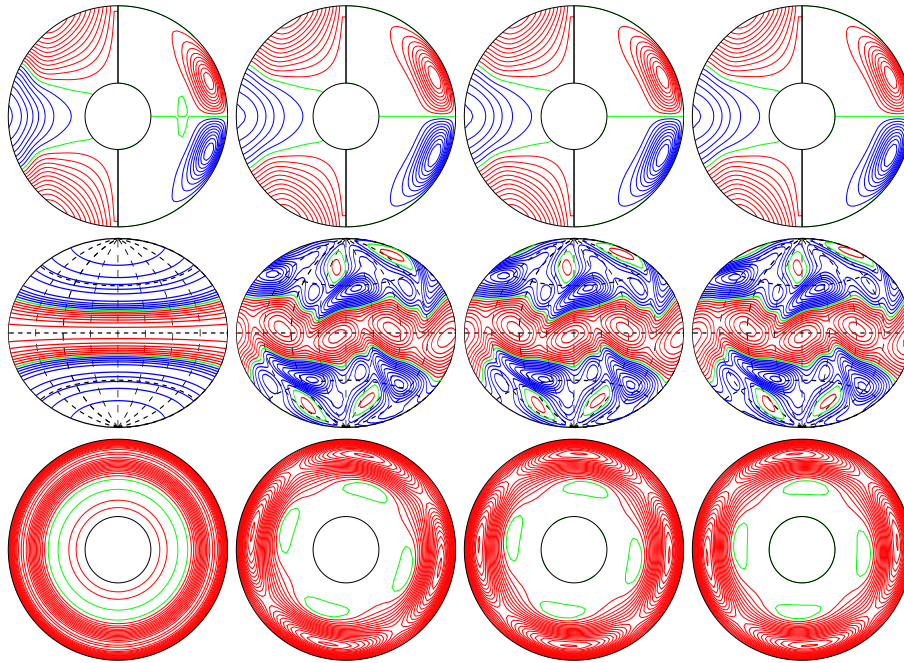


Nusselt Number

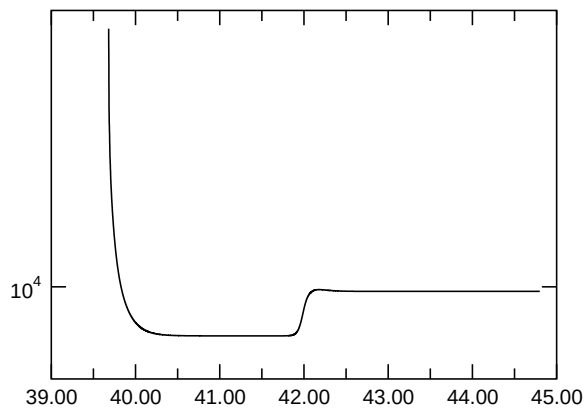


a.e03p01t03r-50000m1n2N2z11e4.5
times: 40.96001 42.24001 43.52001 44.80001

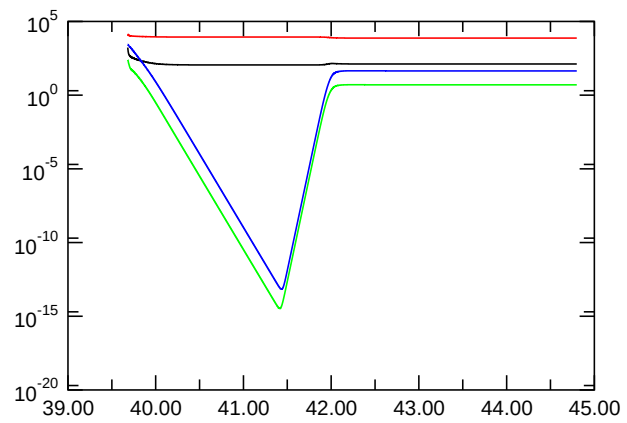
May 2, 2017



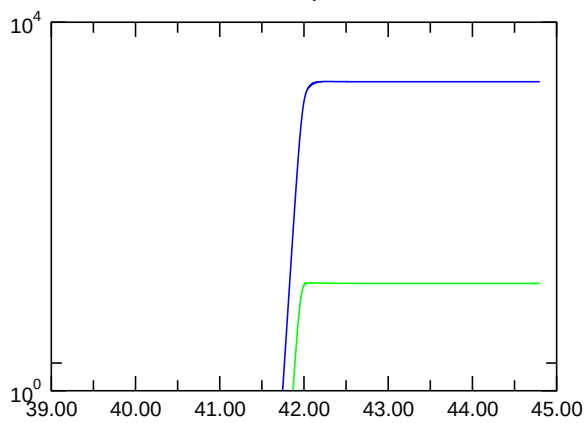
a.e03p01t03r-50000m1n2N2z11e4
 E_{kin}



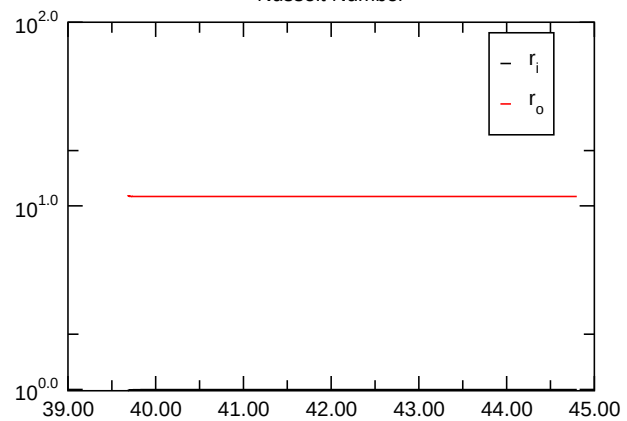
$E_{\text{kin,symm.}}$



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

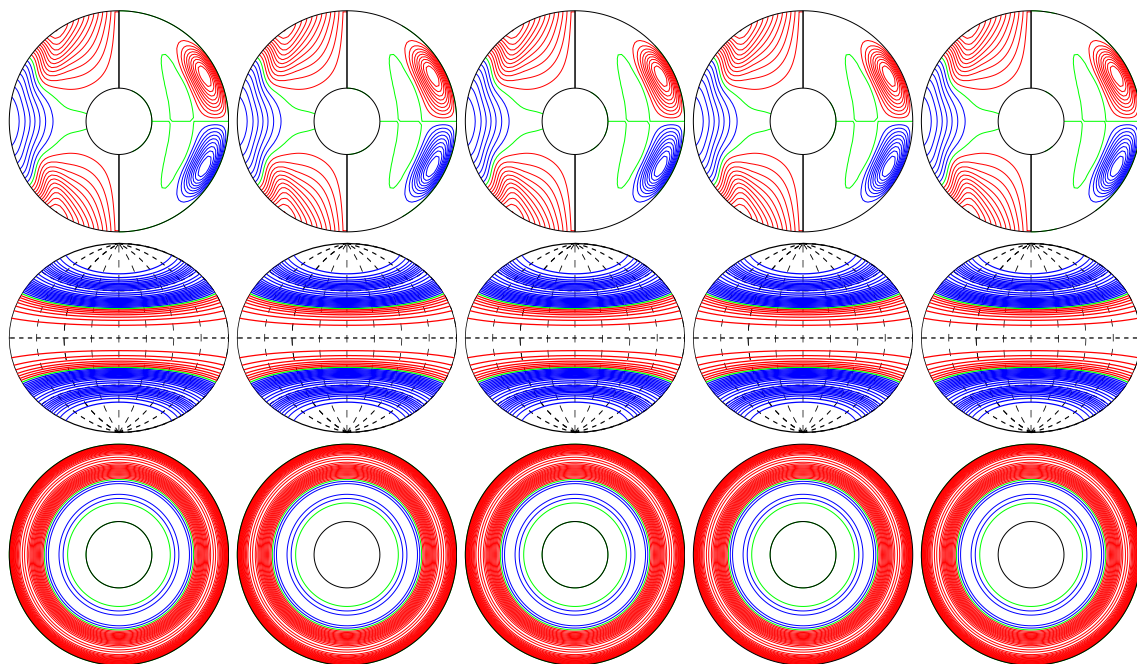


Nusselt Number

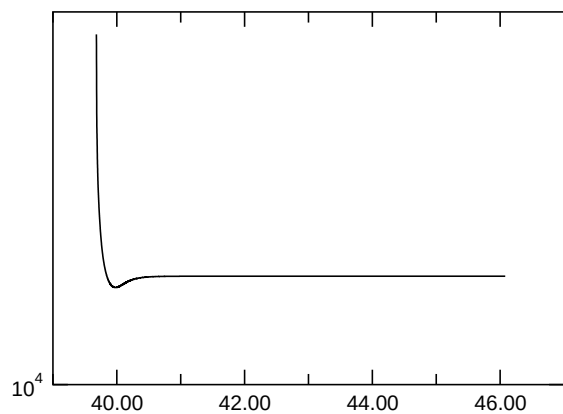


a.e03p01t03r-50000m1n2N2z12e4.6
times: 40.96001 42.24001 43.52001 44.80001 46.08001

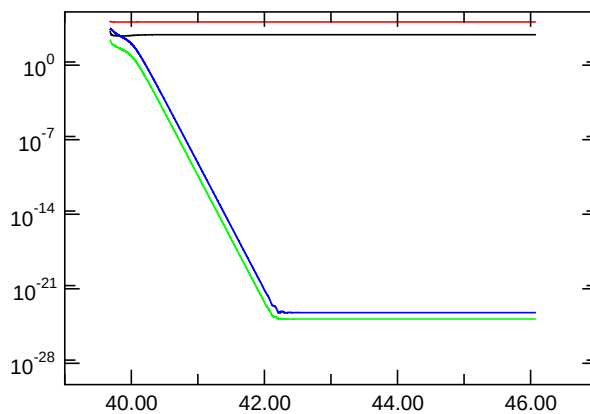
May 2, 2017



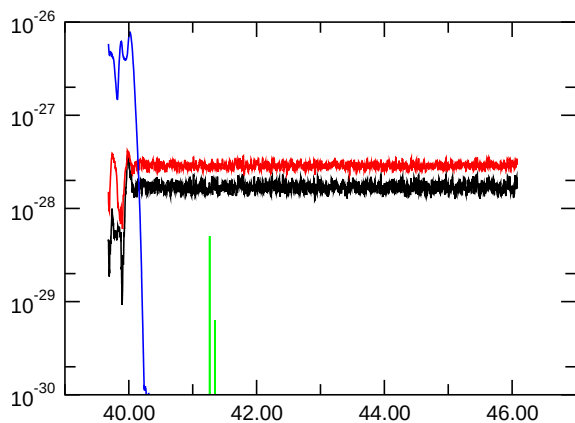
a.e03p01t03r-50000m1n2N2z12e4
 E_{kin}



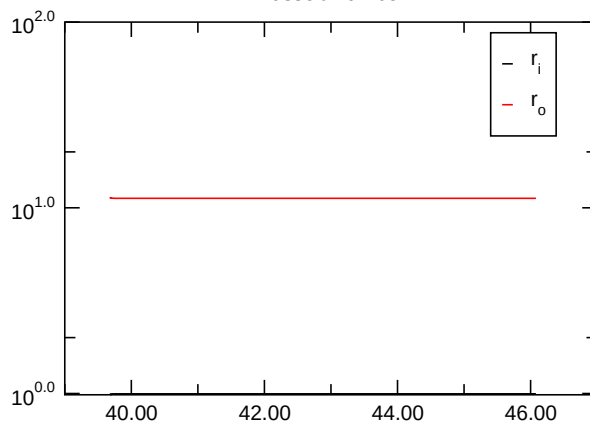
$E_{\text{kin,symm.}}$



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

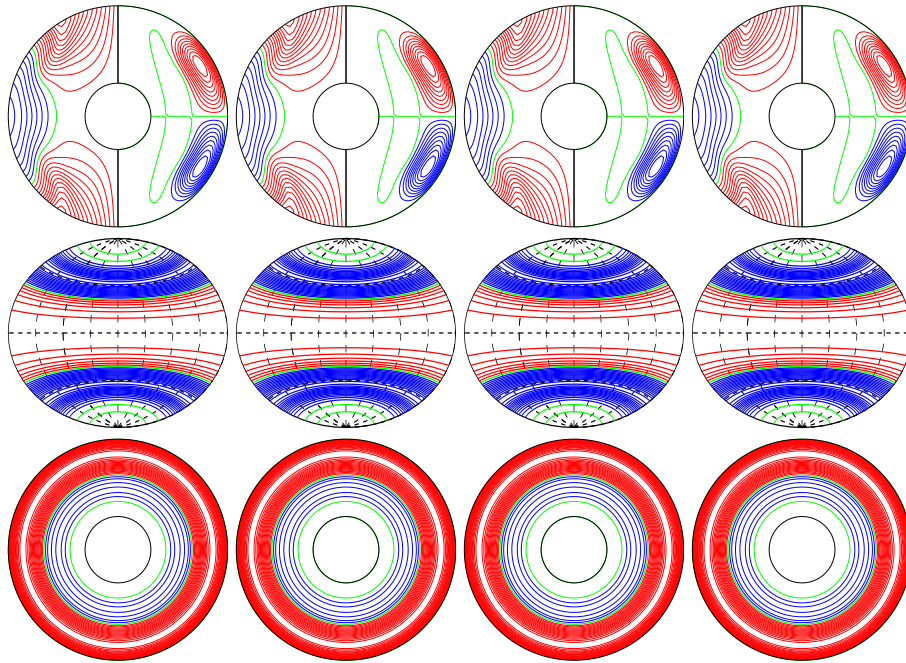


Nusselt Number

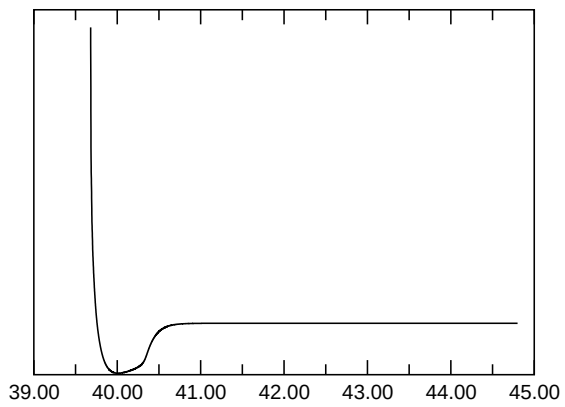


a.e03p01t03r-50000m1n2N2z13e4.5
times: 40.96001 42.24001 43.52001 44.80001

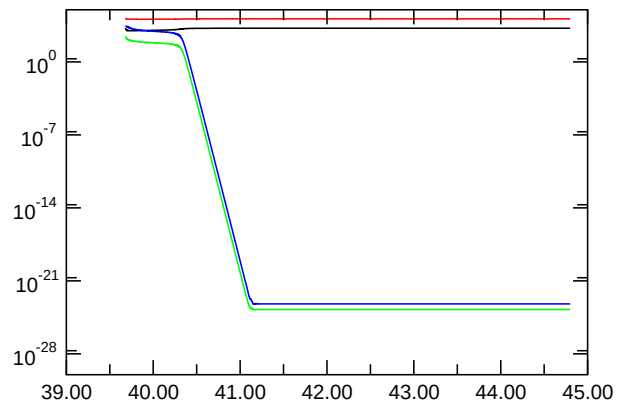
May 2, 2017



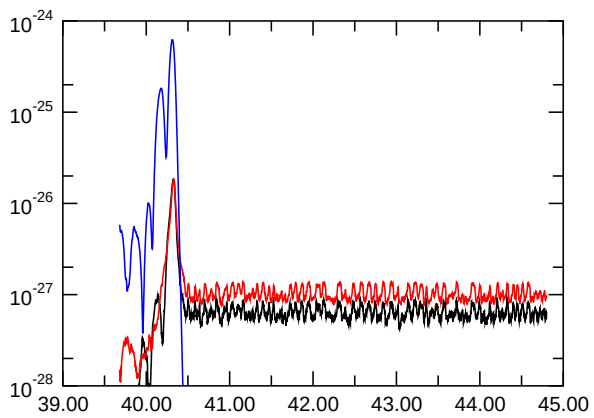
a.e03p01t03r-50000m1n2N2z13e4
 E_{kin}



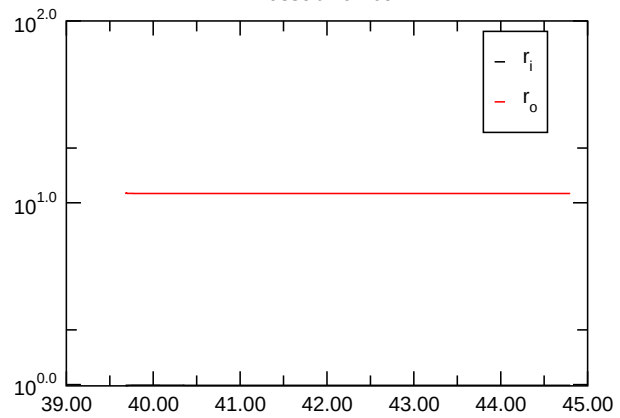
$E_{\text{kin, symm.}}$



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



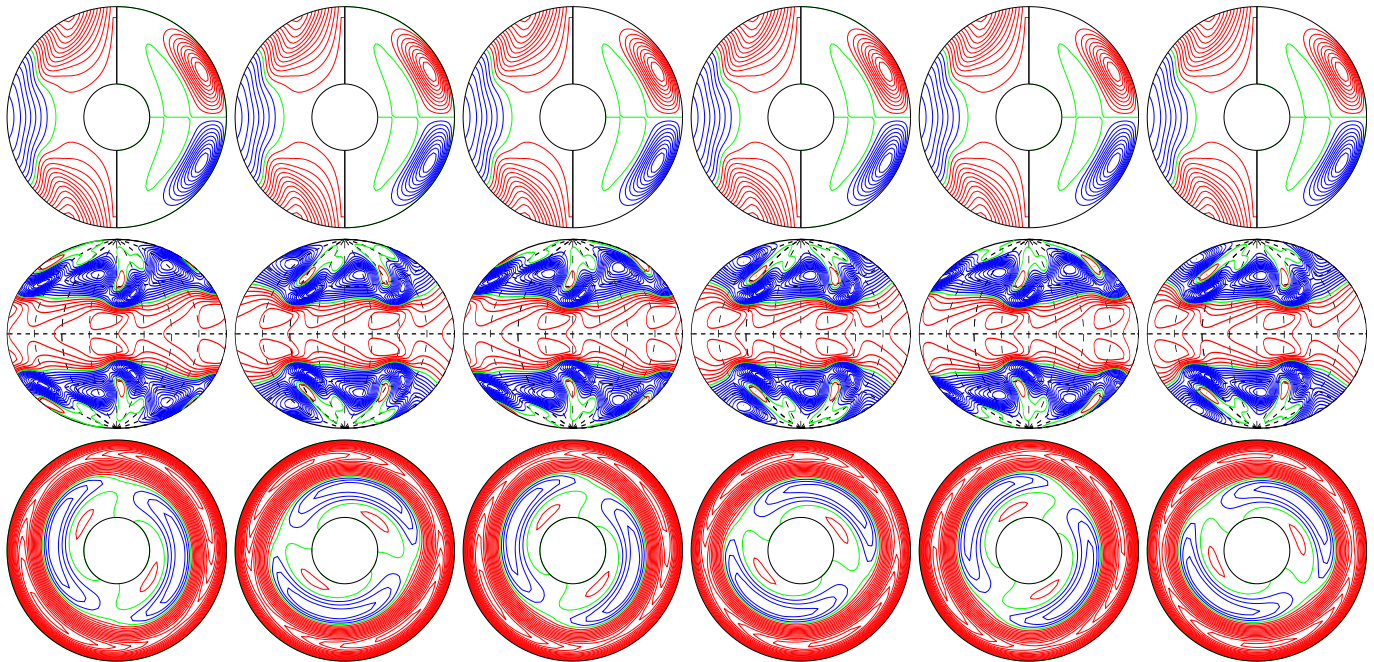
Nusselt Number



a.e03p01t03r-50000m1n2N2z15e4b.20

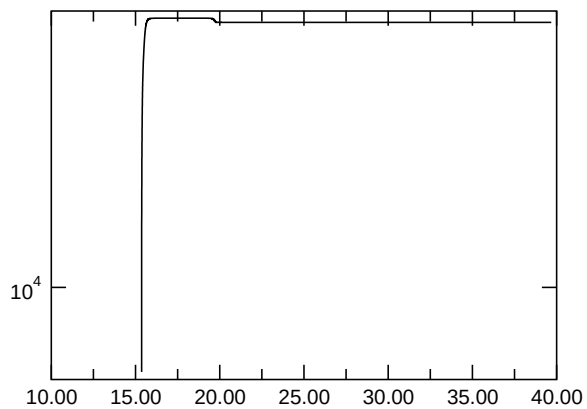
times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001

May 2, 2017

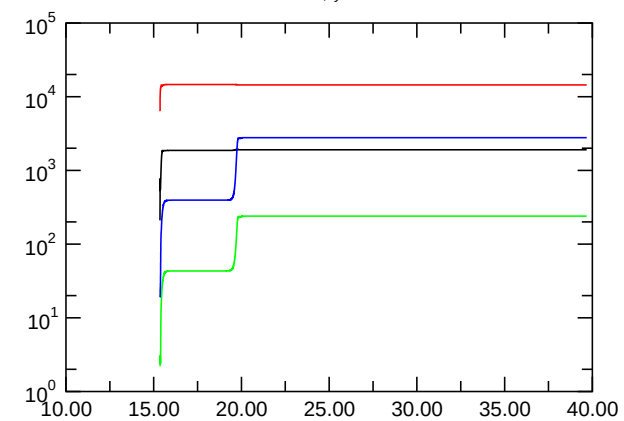


a.e03p01t03r-50000m1n2N2z15e4b

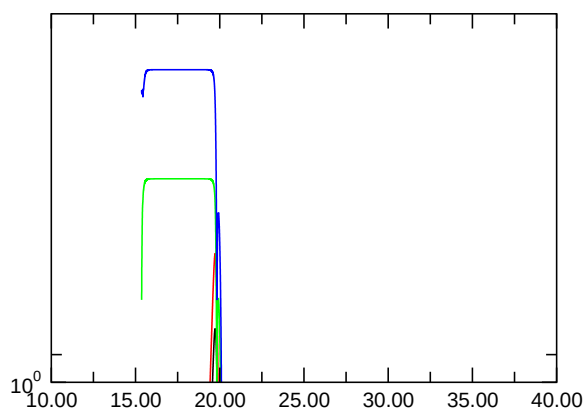
E_{kin}



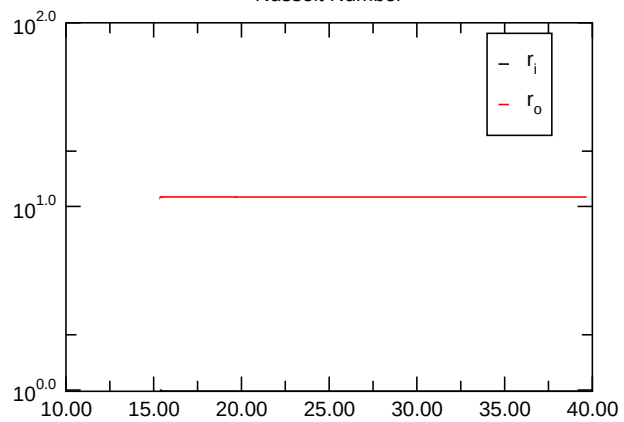
$E_{\text{kin,symm.}}$



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



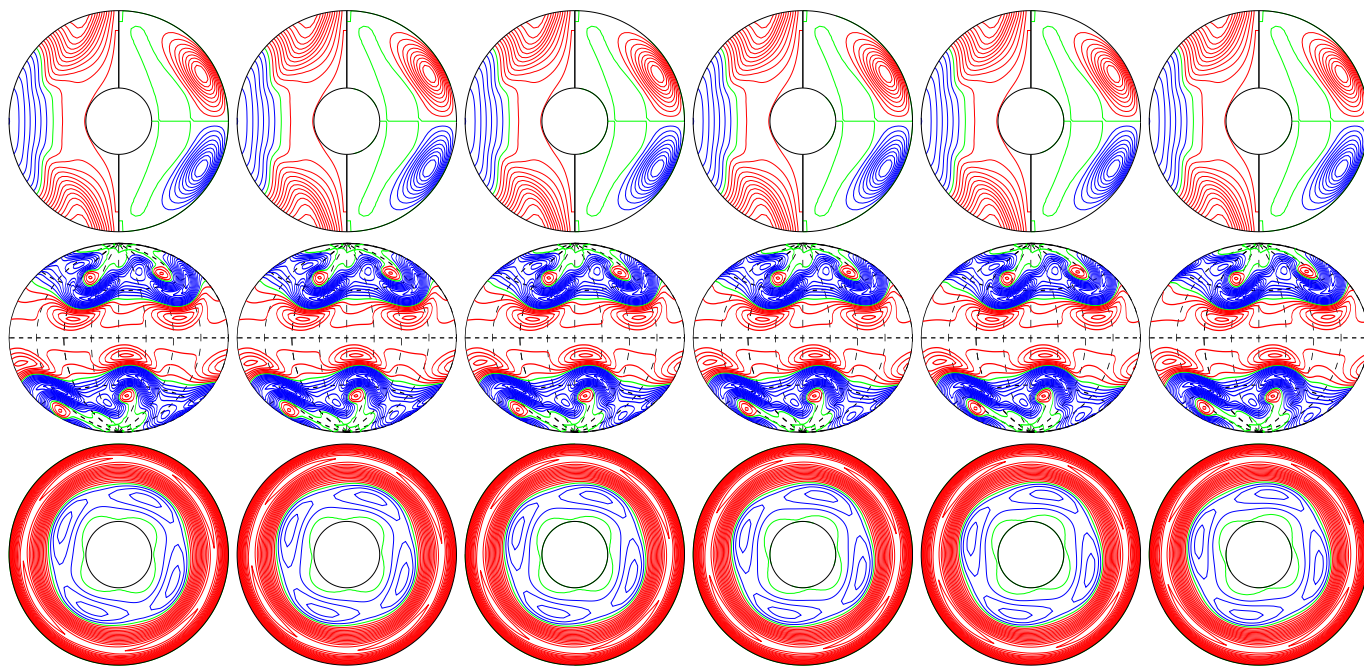
Nusselt Number



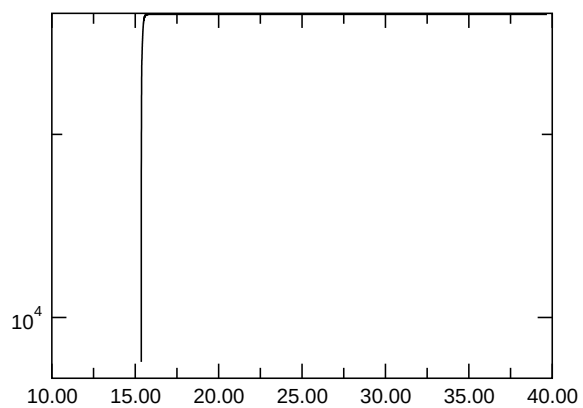
a.e03p01t03r-50000m1n2N2z20e4b.20

May 2, 2017

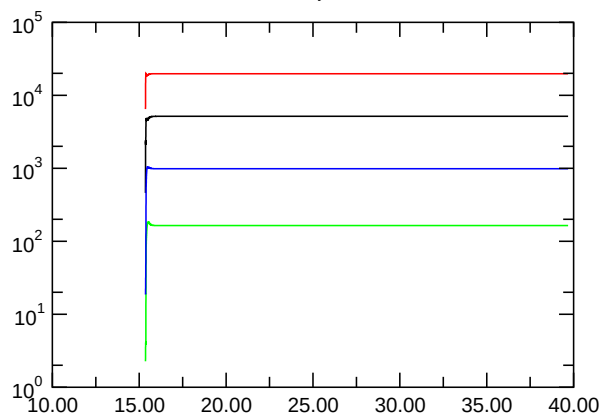
times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001



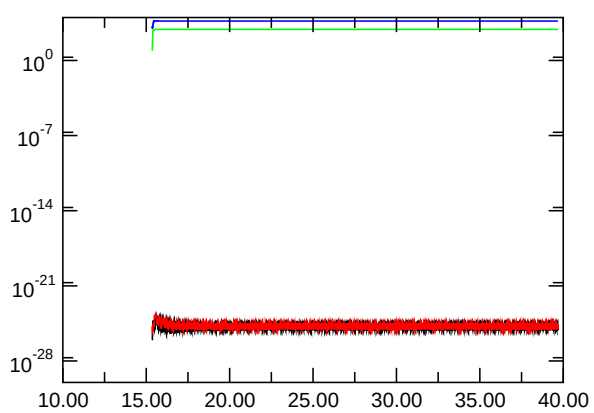
a.e03p01t03r-50000m1n2N2z20e4b
 E_{kin}



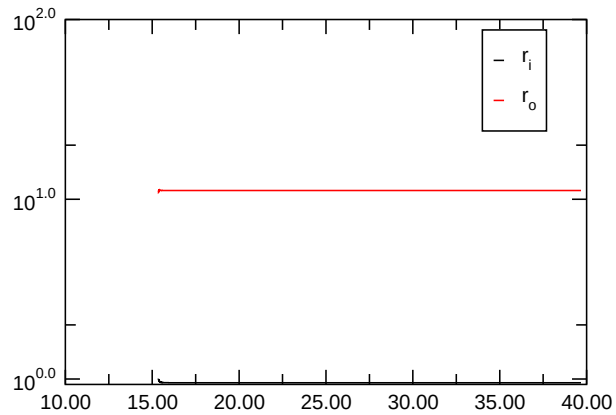
$E_{\text{kin,symm.}}$



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



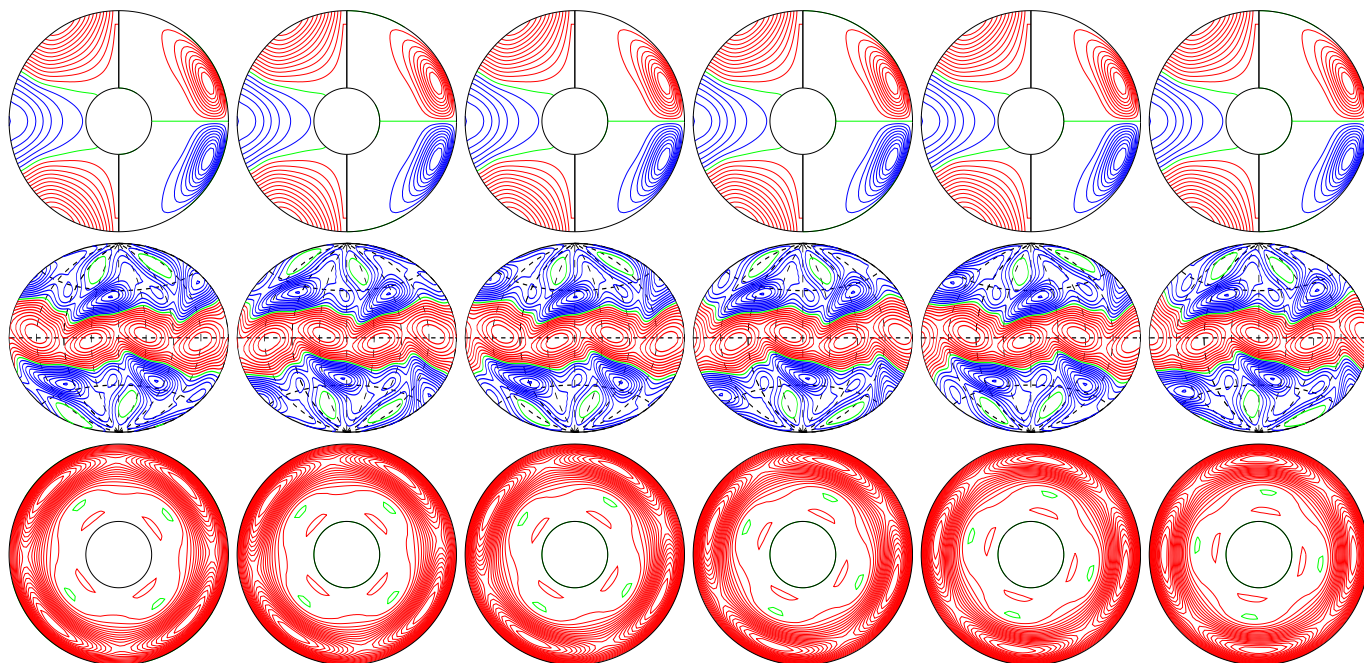
Nusselt Number



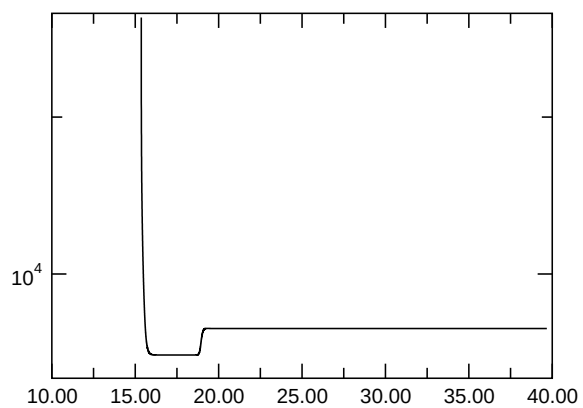
a.e03p01t03r-50000m1n2N2z10e4a.20

May 2, 2017

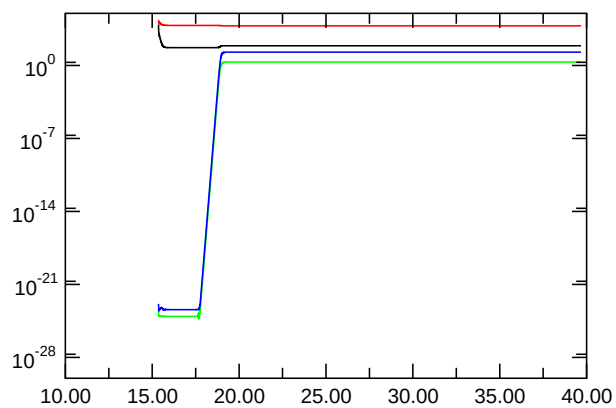
times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001



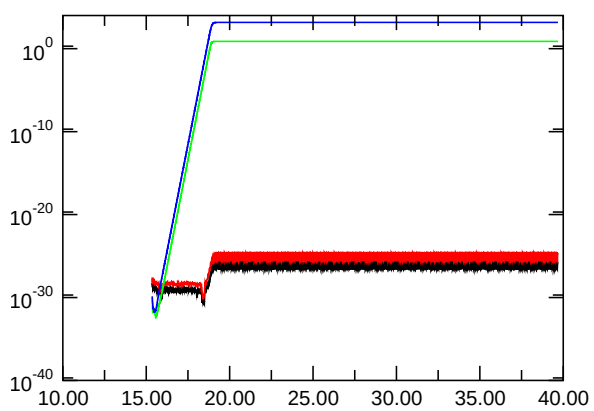
a.e03p01t03r-50000m1n2N2z10e4a
 E_{kin}



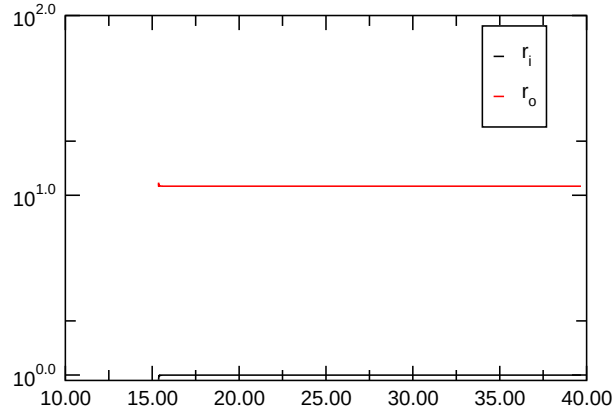
$E_{\text{kin,symm.}}$



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



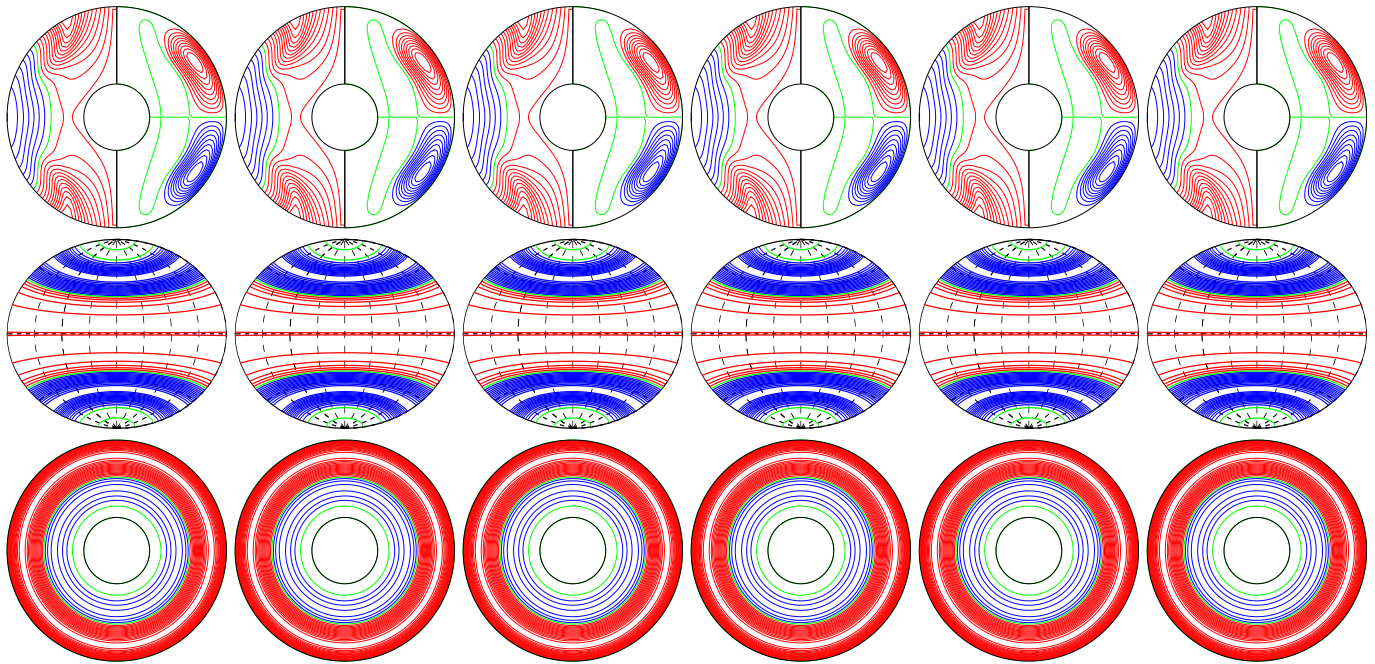
Nusselt Number



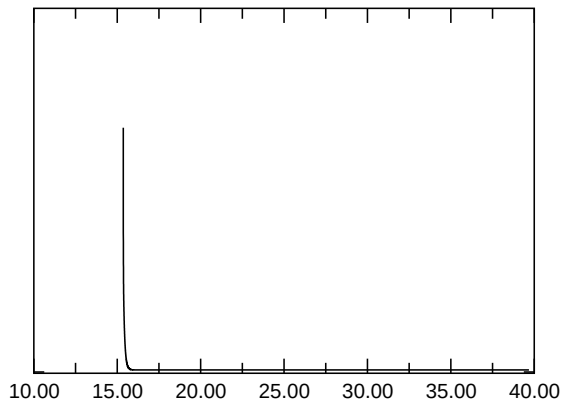
a.e03p01t03r-50000m1n2N2z15e4a.20

May 2, 2017

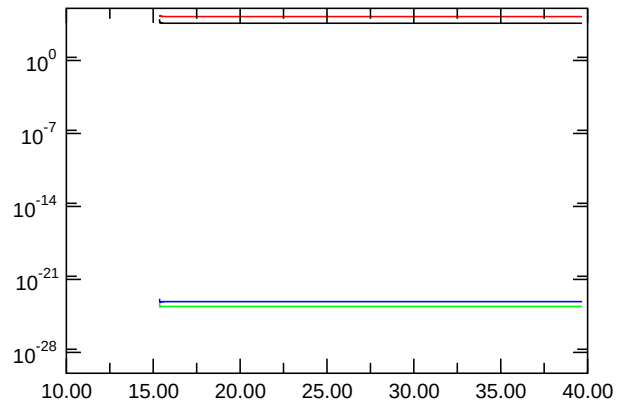
times: 33.28001 34.56001 35.84001 37.12001 38.40001 39.68001



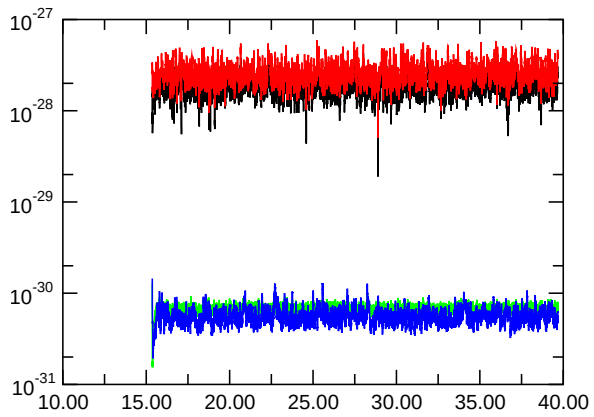
a.e03p01t03r-50000m1n2N2z15e4a
 E_{kin}



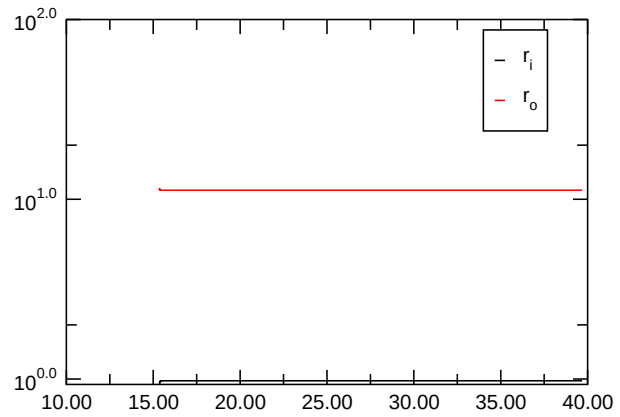
$E_{\text{kin,symm.}}$



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



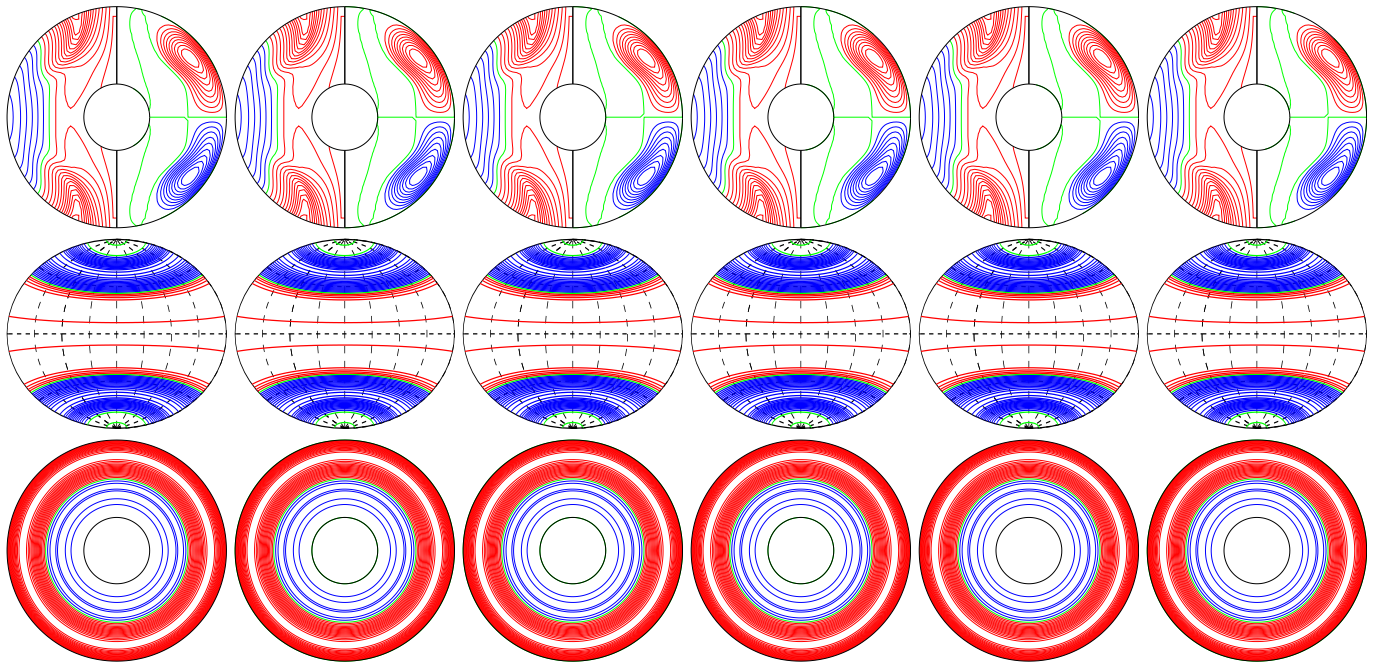
Nusselt Number



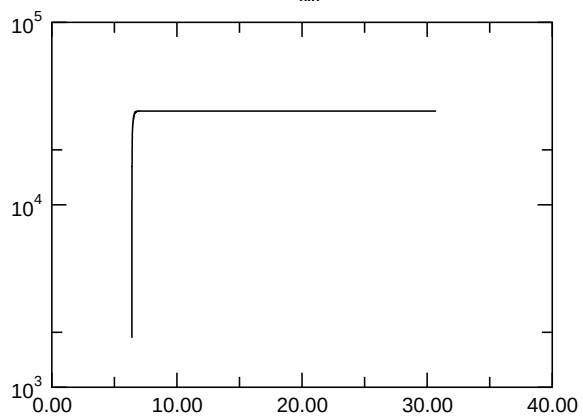
a.e03p01t03r-50000m1n2N2z20e4Y.20

times: 24.32001 25.60001 26.88001 28.16001 29.44001 30.72001

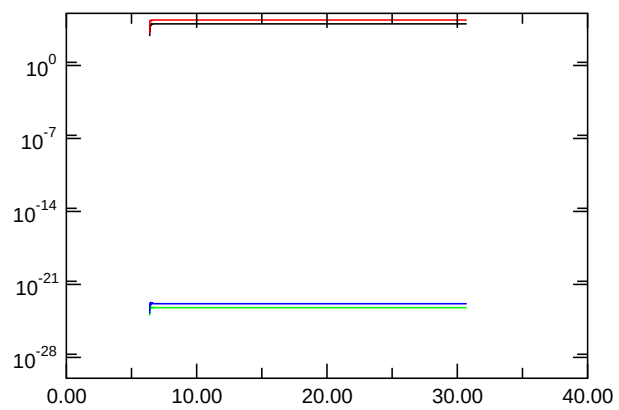
May 2, 2017



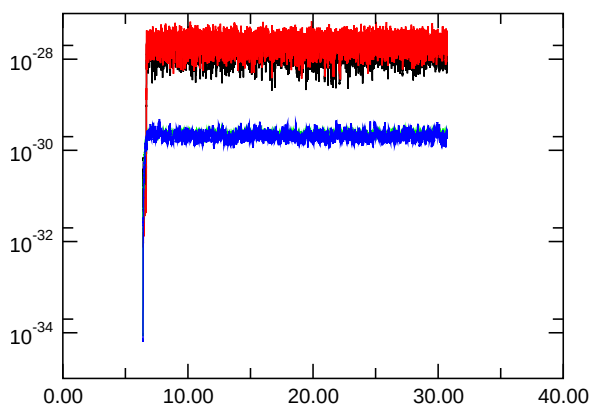
a.e03p01t03r-50000m1n2N2z20e4Y
 E_{kin}



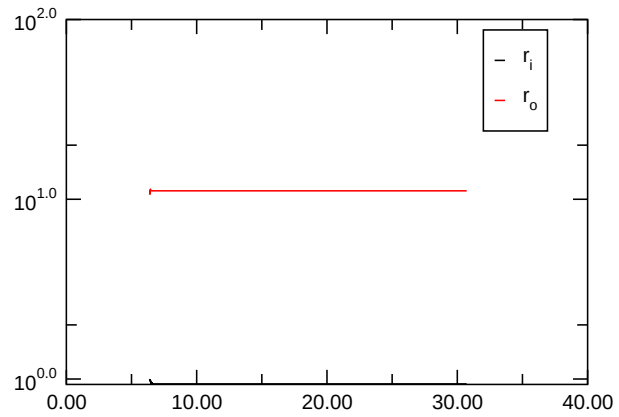
$E_{\text{kin,symm.}}$



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

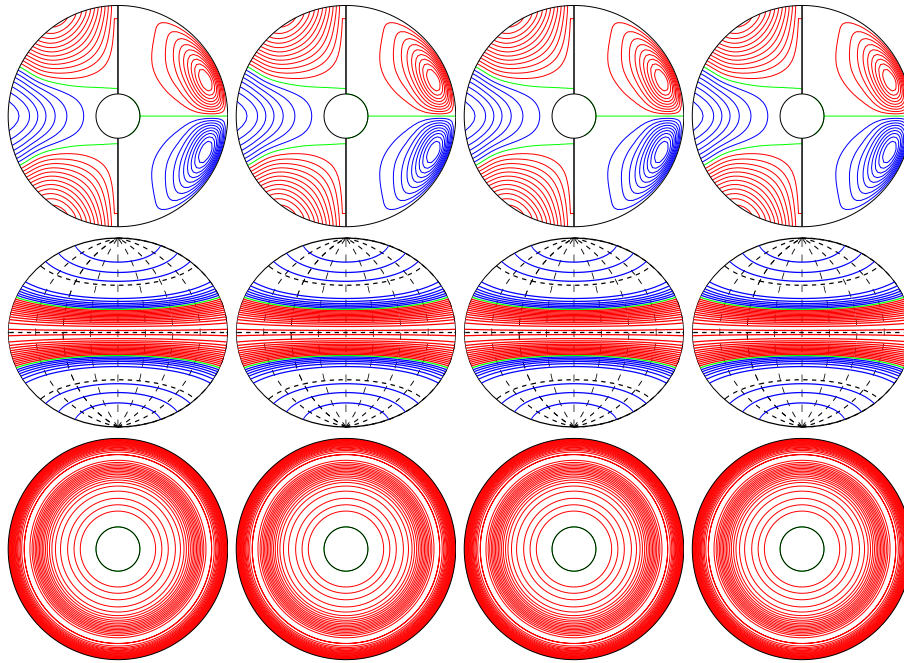


Nusselt Number

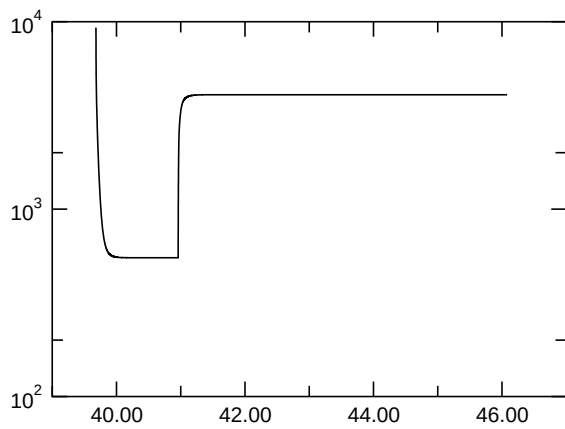


a.e02p005t03r-50000m1n2N2z15e4.6
times: 42.24001 43.52001 44.80001 46.08001

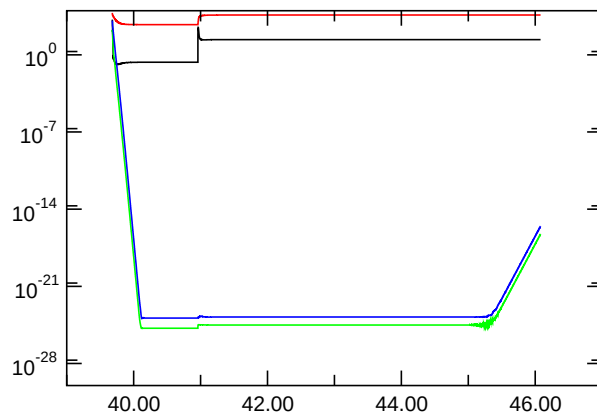
May 2, 2017



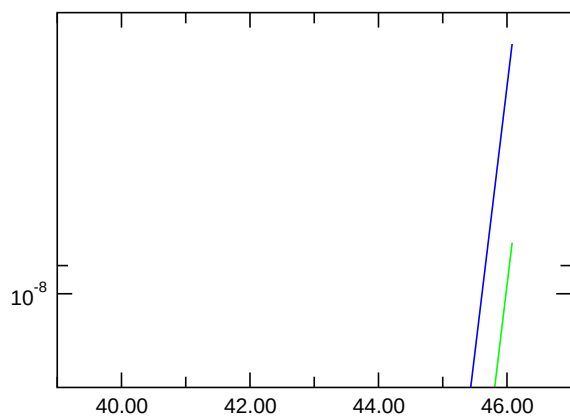
a.e02p005t03r-50000m1n2N2z15e4
 E_{kin}



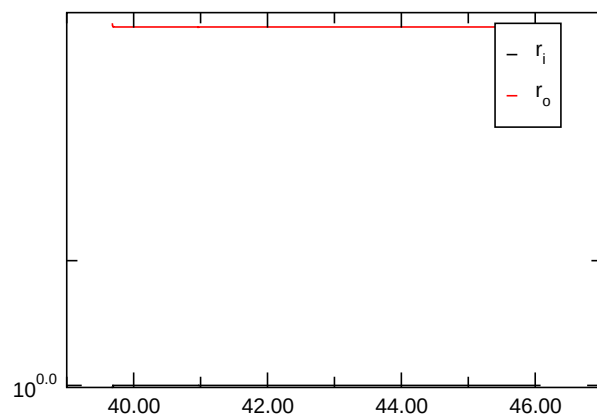
$E_{\text{kin, symm.}}$



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

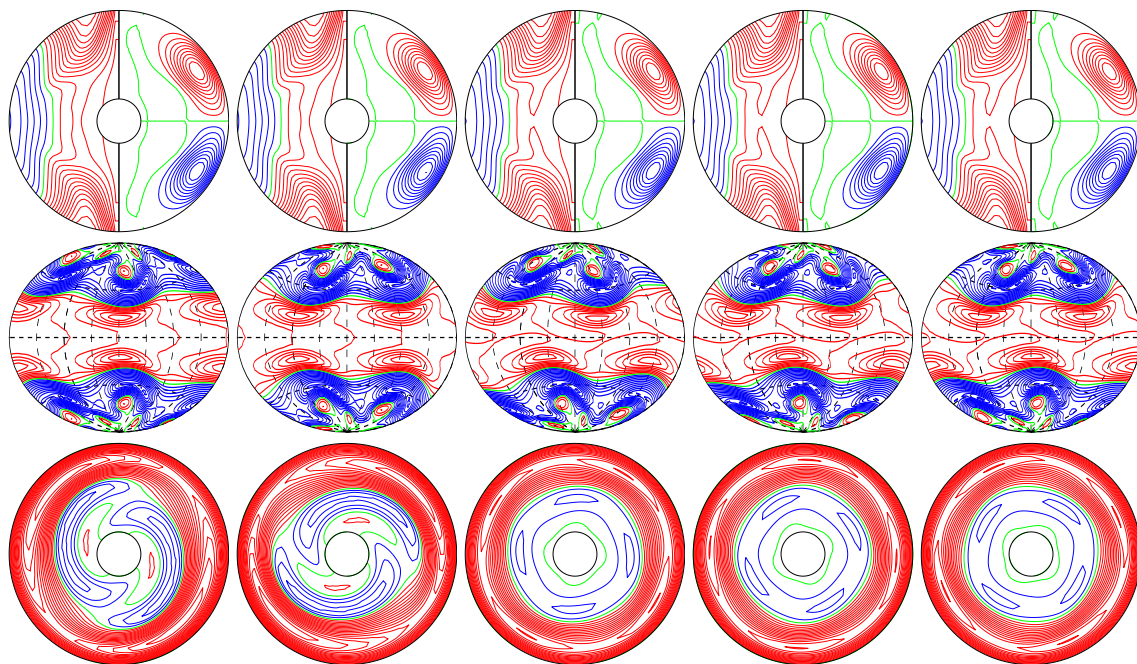


Nusselt Number

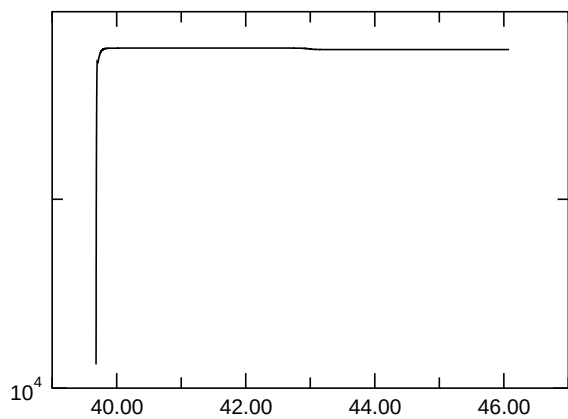


a.e02p005t03r-50000m1n2N2z50e4.6
times: 40.96001 42.24001 43.52001 44.80001 46.08001

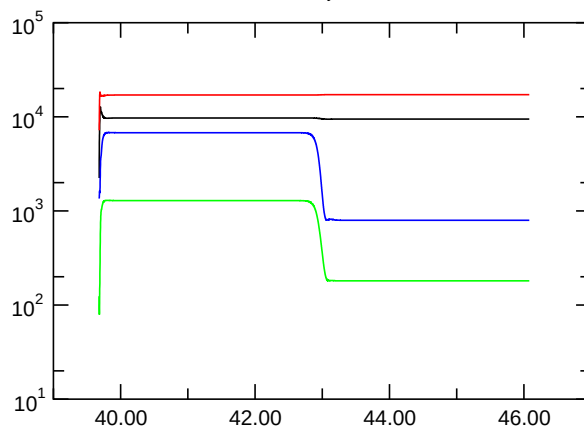
May 2, 2017



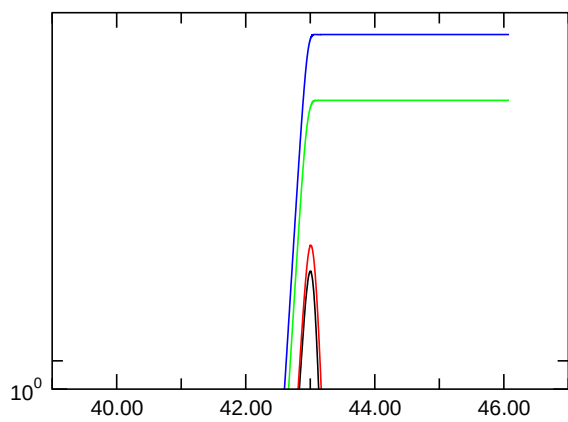
a.e02p005t03r-50000m1n2N2z50e4
 E_{kin}



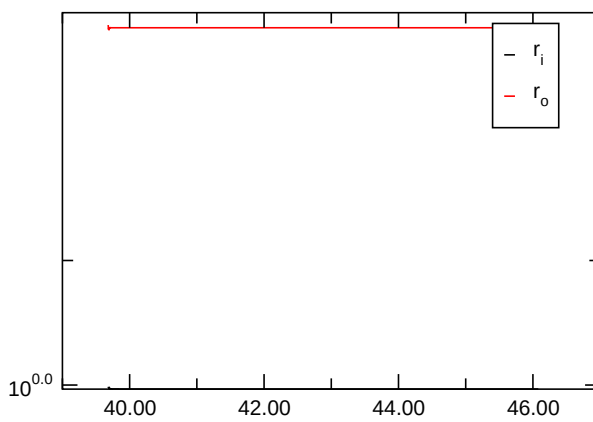
$E_{\text{kin,symm.}}$

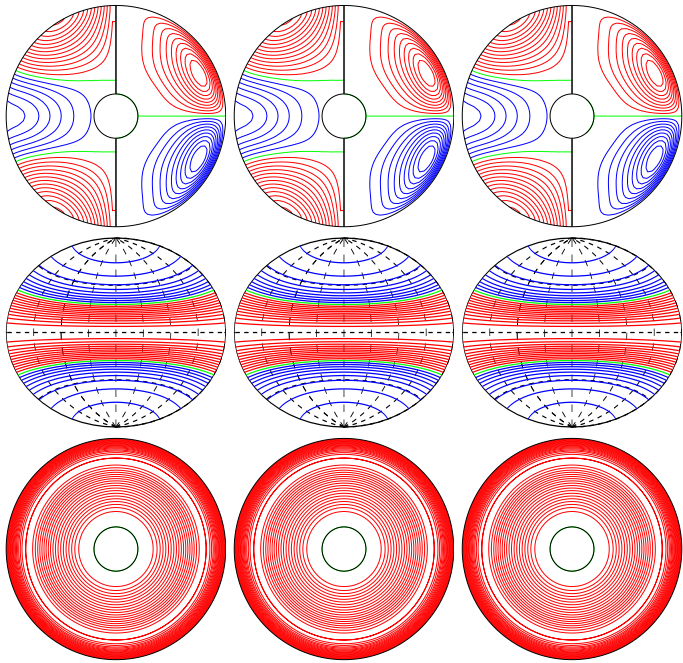


$E_{\text{kin,asymm.}}$

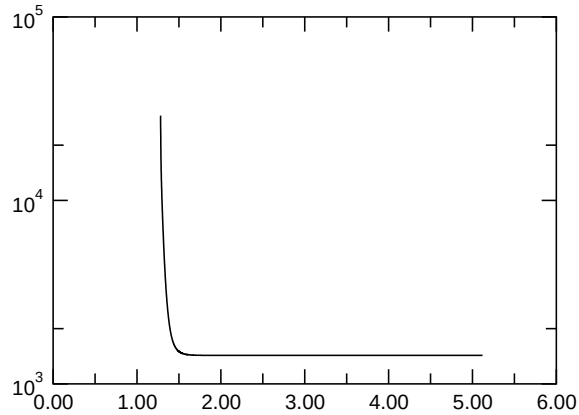


Nusselt Number

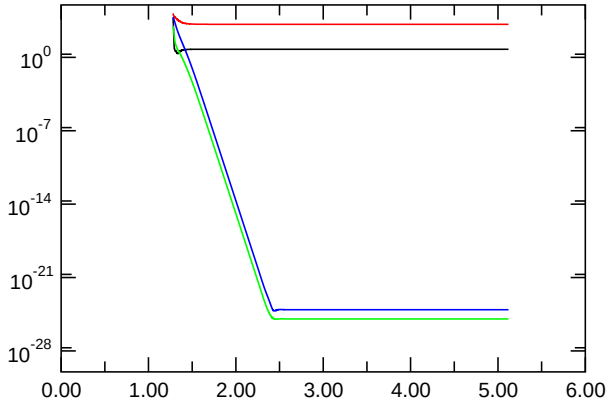




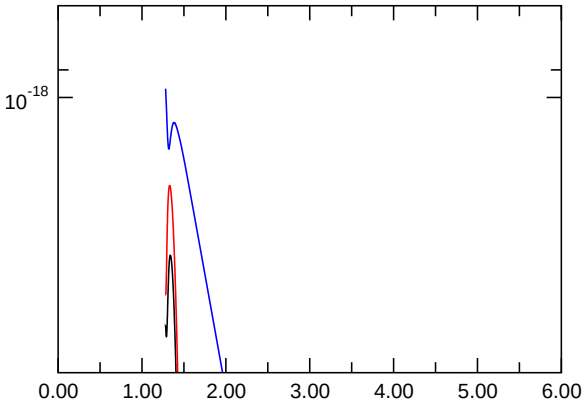
a.e02p001t03r-50000m1n2N2z9e4
 E_{kin}



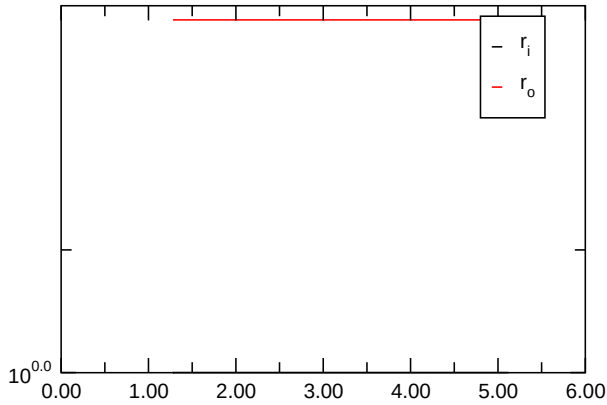
$E_{\text{kin,symm.}}$



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

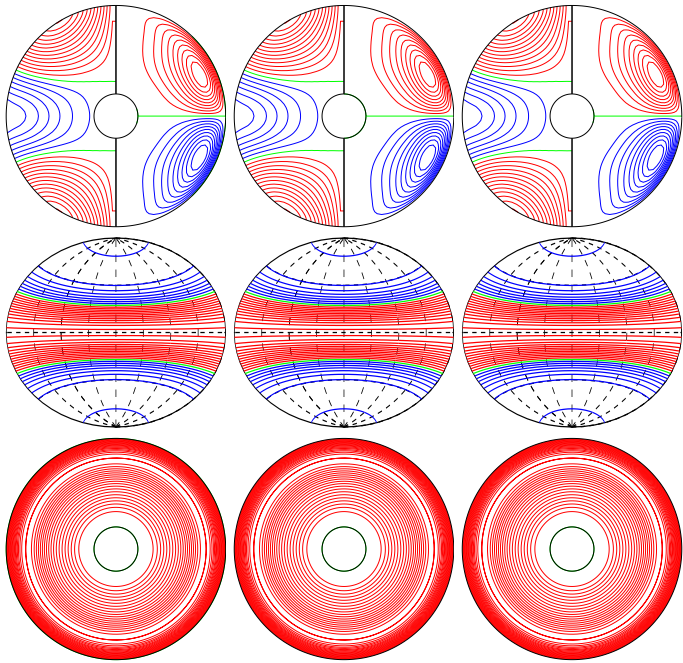


Nusselt Number

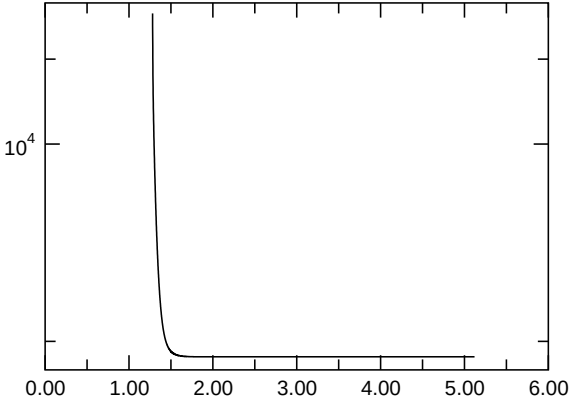


a.e02p001t03r-50000m1n2N2z1e5.4
times: 2.560002 3.840003 5.120004

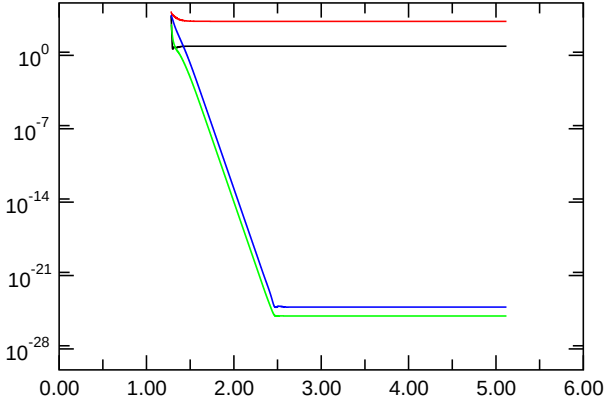
May 2, 2017



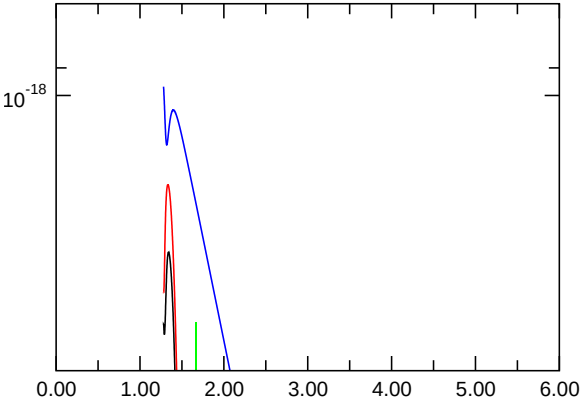
a.e02p001t03r-50000m1n2N2z1e5
 E_{kin}



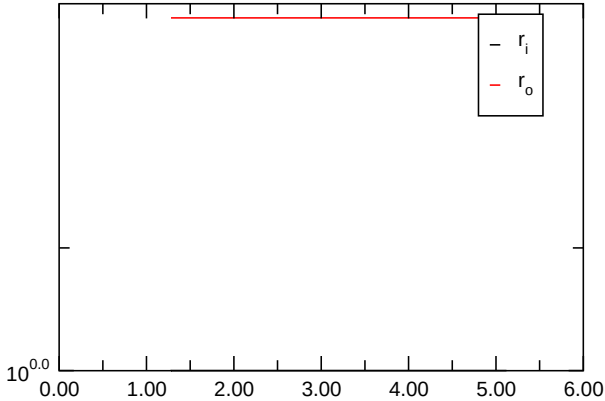
$E_{\text{kin,symm.}}$



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

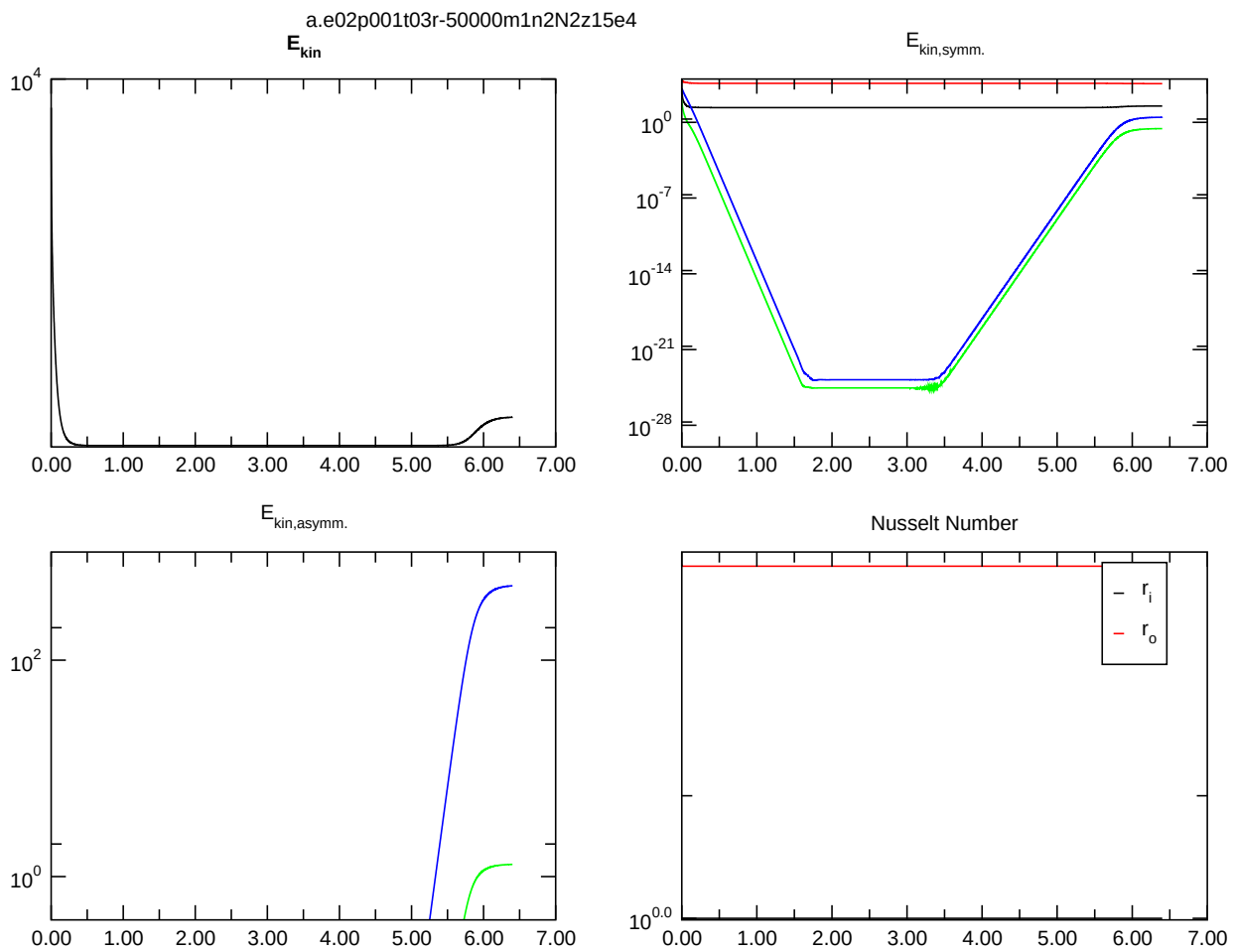
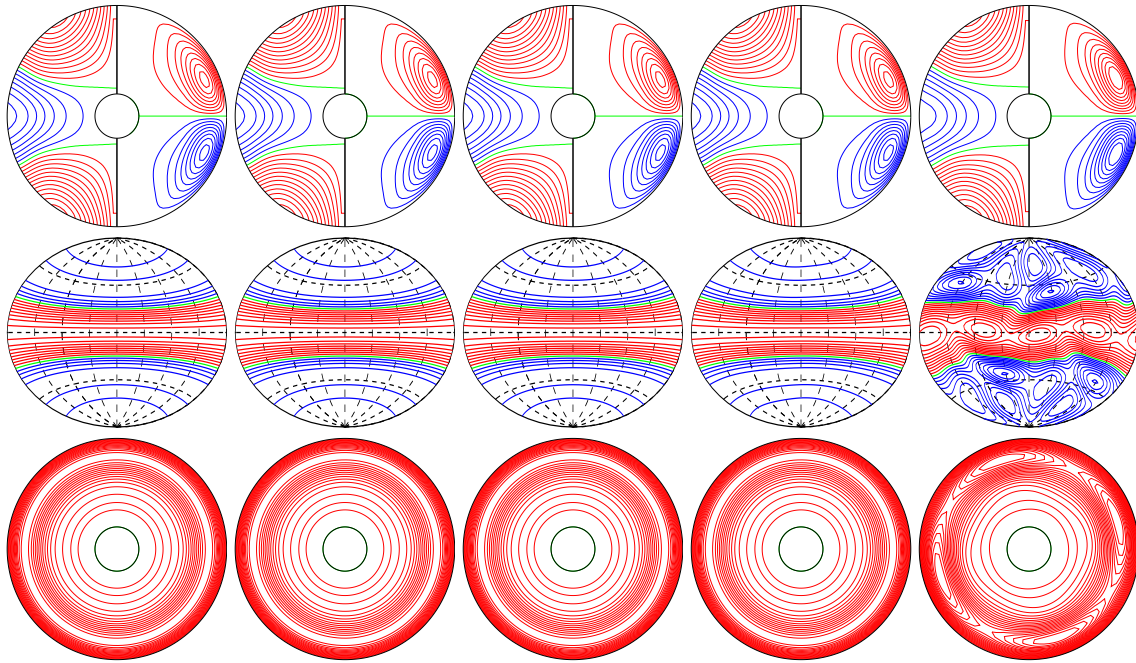


Nusselt Number



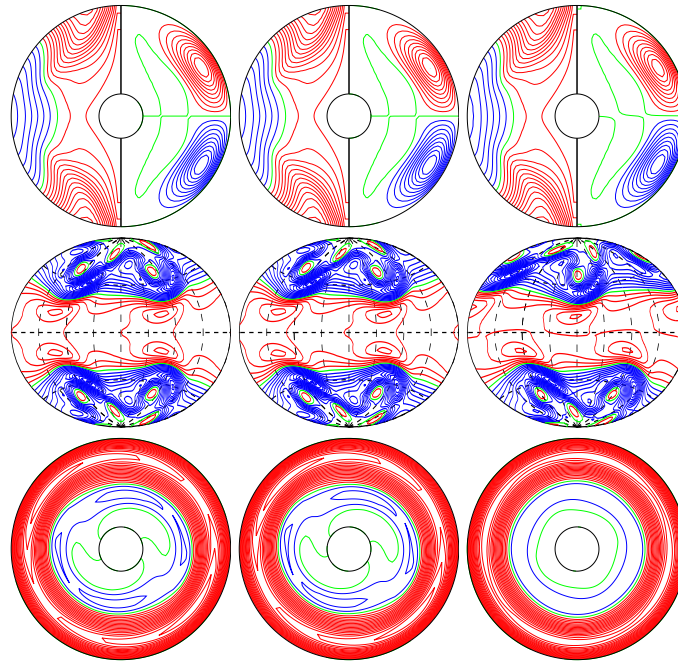
a.e02p001t03r-50000m1n2N2z15e4.6
times: 1.280001 2.560002 3.840003 5.120004 6.400005

May 2, 2017

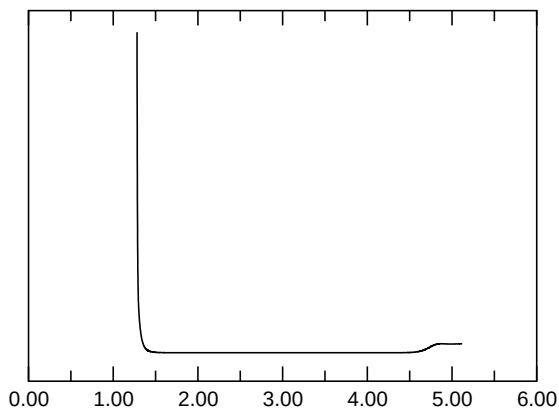


a.e02p001t03r-50000m1n2N2z4e5.4
times: 2.560002 3.840003 5.120004

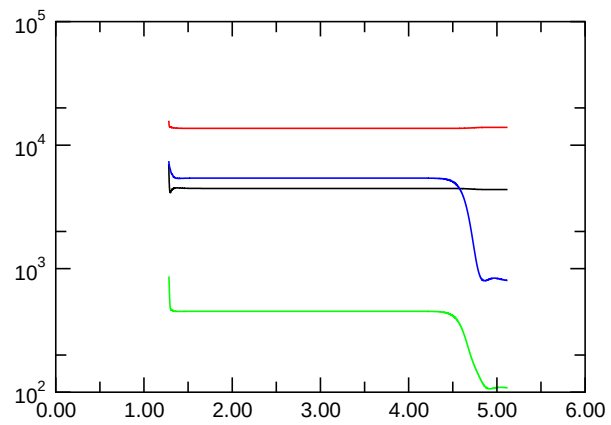
May 2, 2017



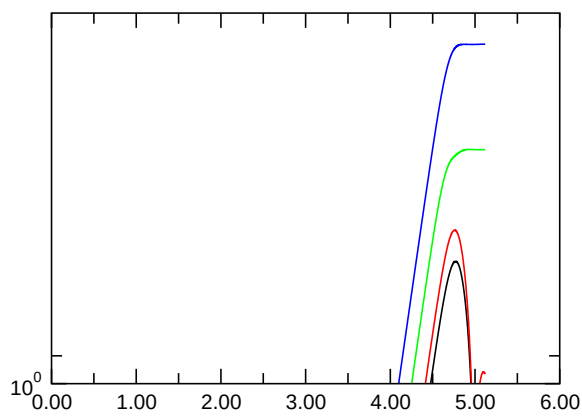
a.e02p001t03r-50000m1n2N2z4e5
 E_{kin}



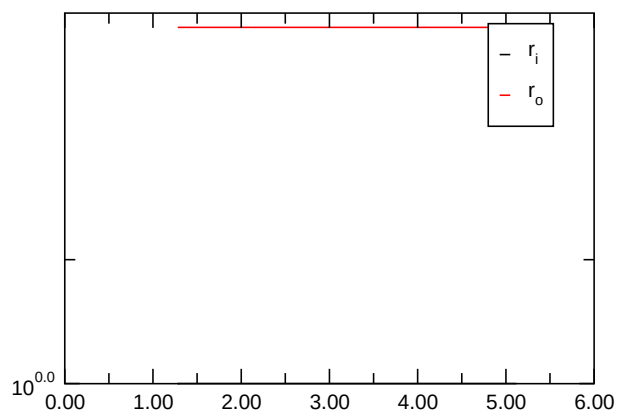
$E_{\text{kin,symm.}}$



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

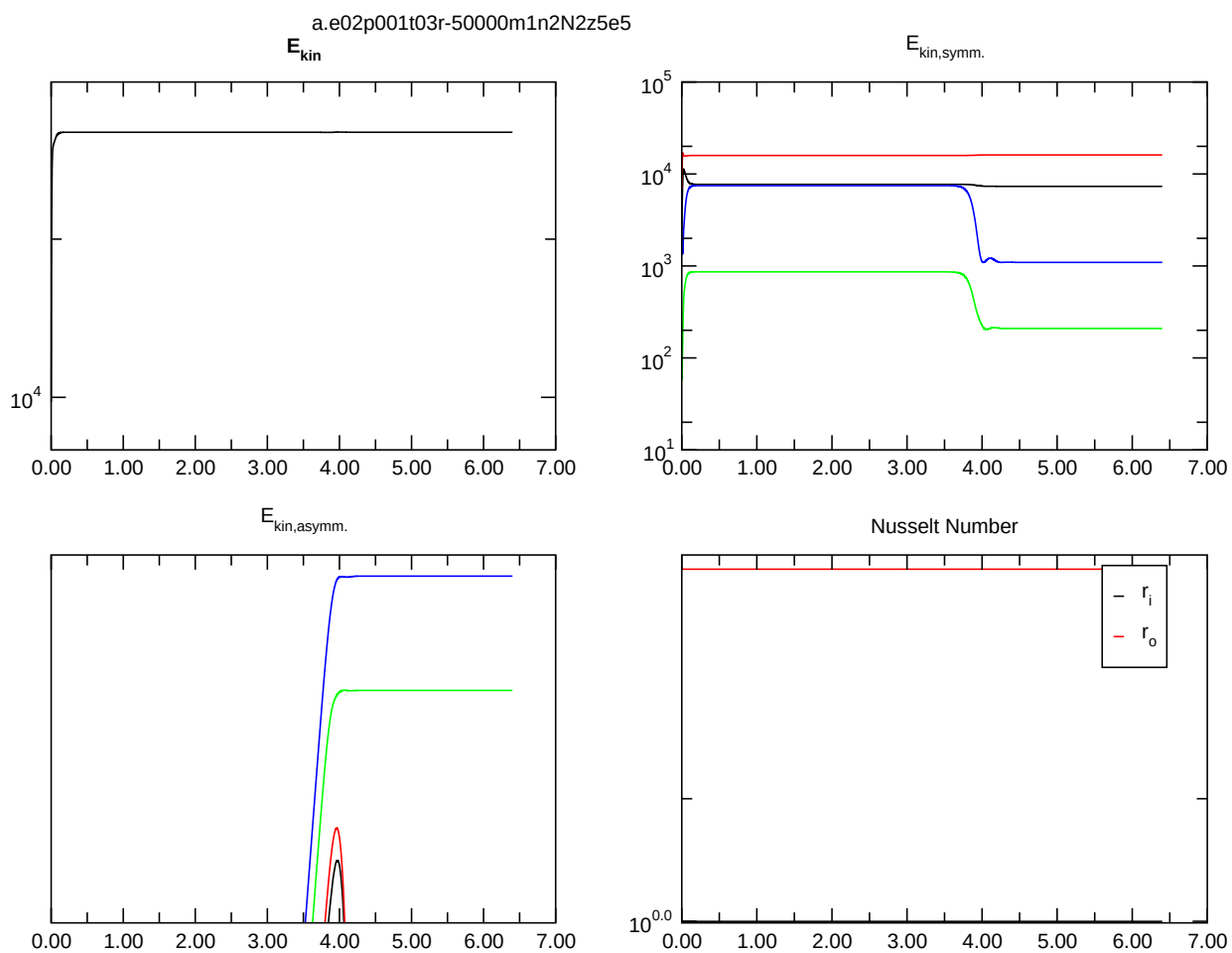
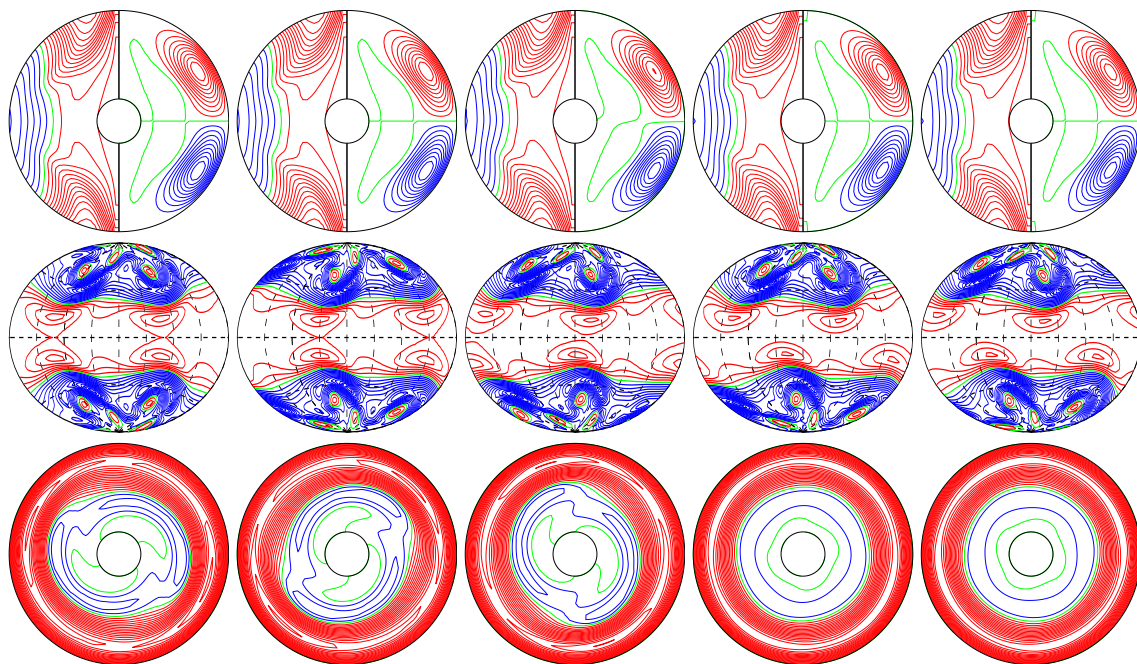


Nusselt Number



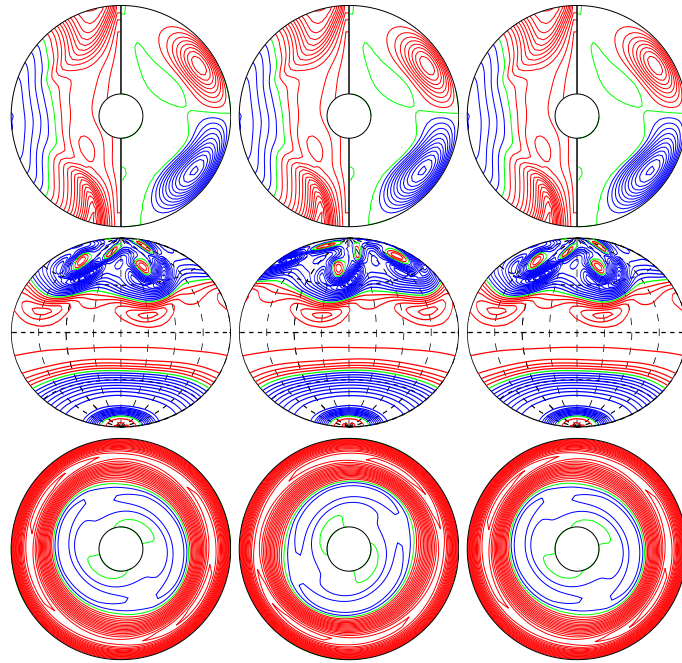
a.e02p001t03r-50000m1n2N2z5e5.6
times: 1.280001 2.560002 3.840003 5.120004 6.400005

May 2, 2017

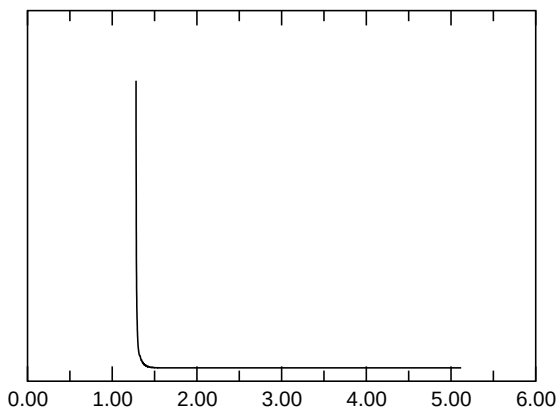


a.e02p001t03r-50000m1n2N2z6e5.4
times: 2.560002 3.840003 5.120004

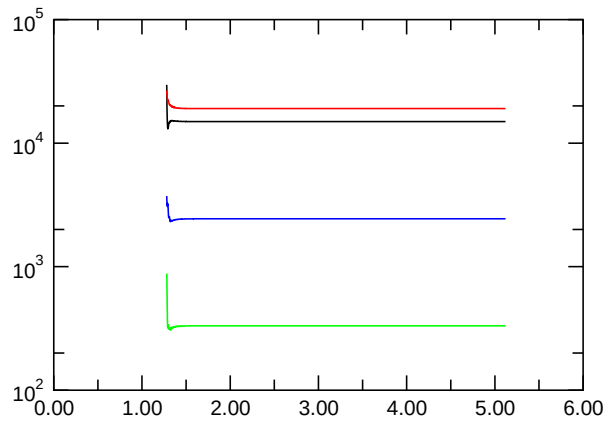
May 2, 2017



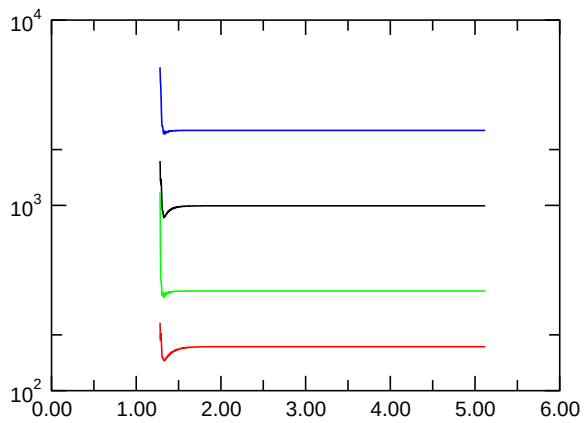
a.e02p001t03r-50000m1n2N2z6e5
 E_{kin}



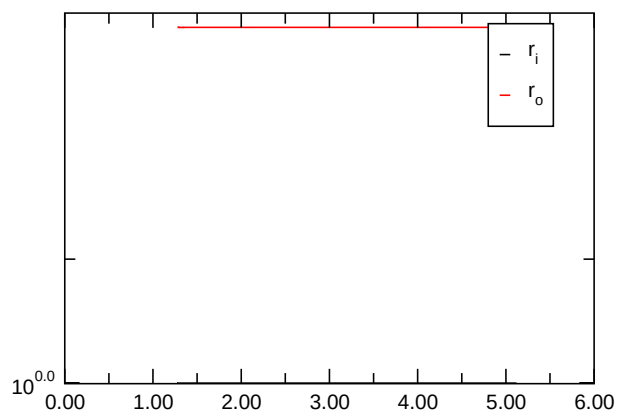
$E_{\text{kin,symm.}}$



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

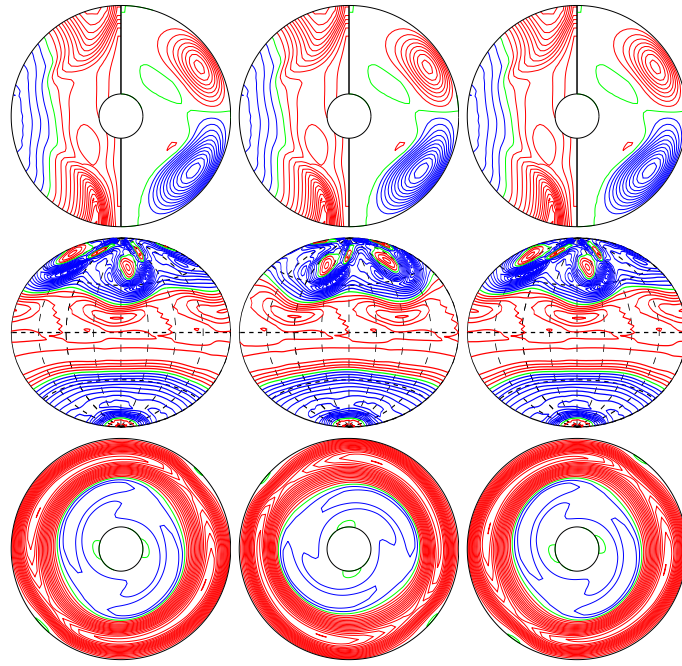


Nusselt Number

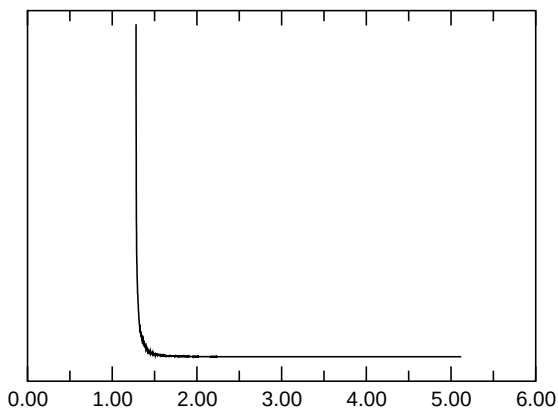


a.e02p001t03r-50000m1n2N2z8e5.4
times: 2.560002 3.840003 5.120004

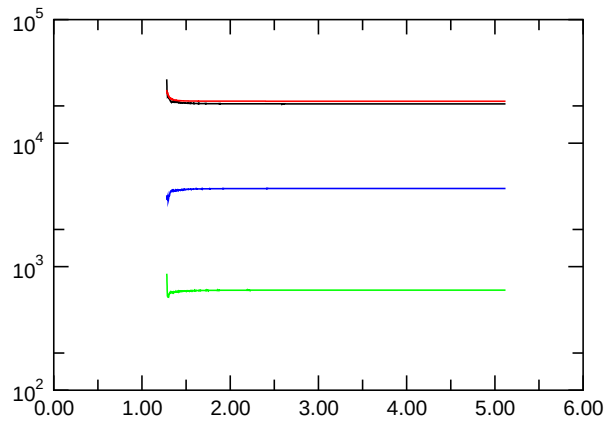
May 2, 2017



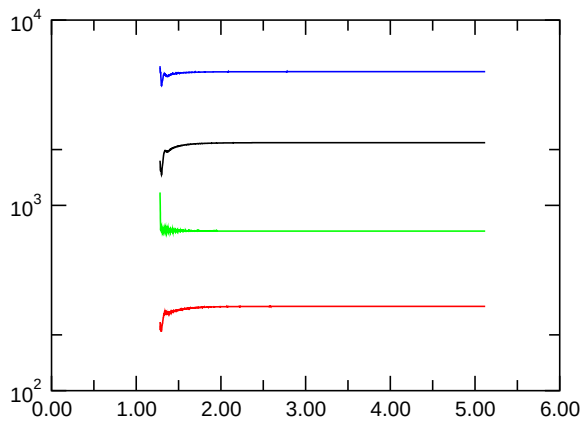
a.e02p001t03r-50000m1n2N2z8e5
 E_{kin}



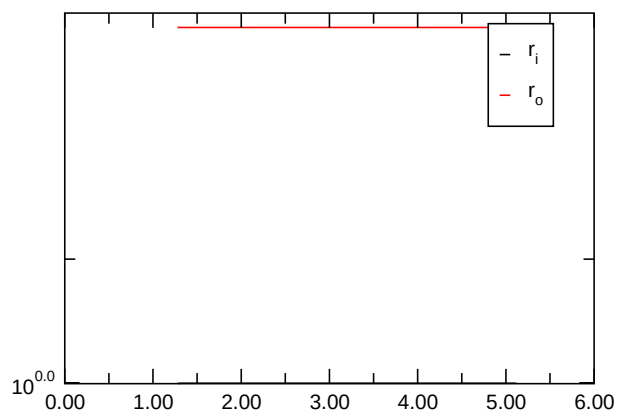
$E_{\text{kin,symm.}}$



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

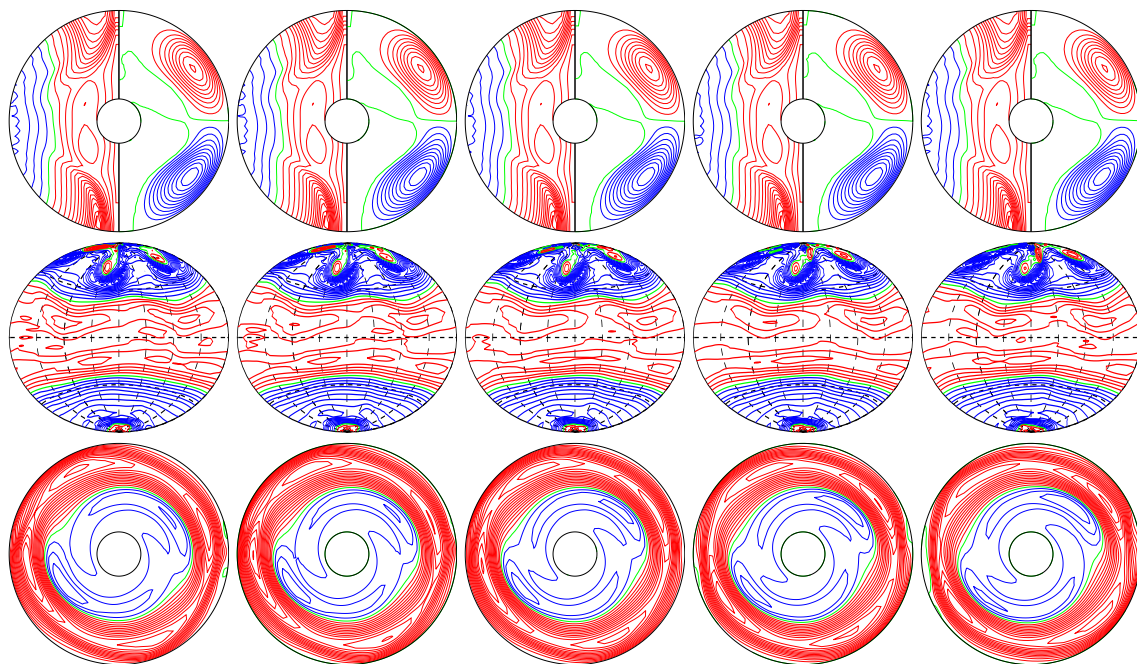


Nusselt Number

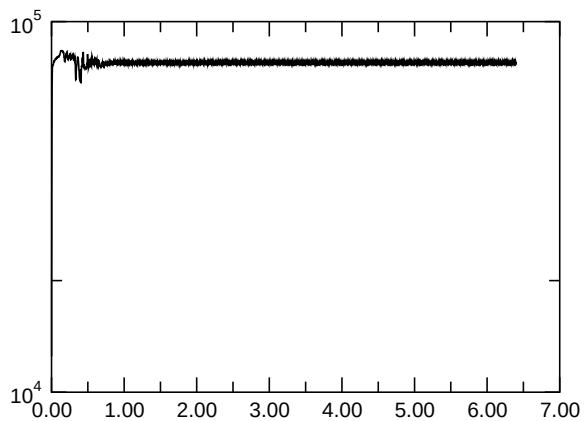


a.e02p001t03r-50000m1n2N2z1e6.6
times: 1.280001 2.560002 3.840003 5.120004 6.400005

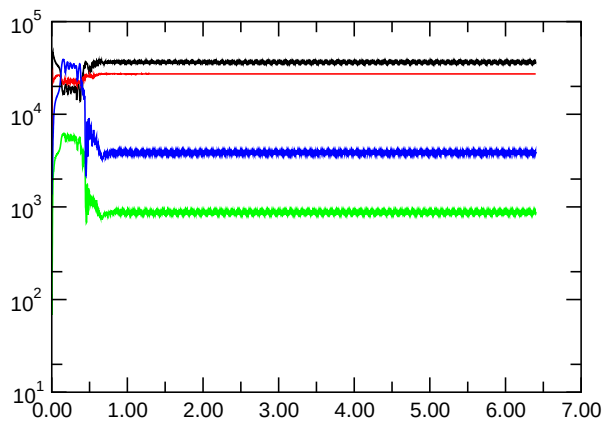
May 2, 2017



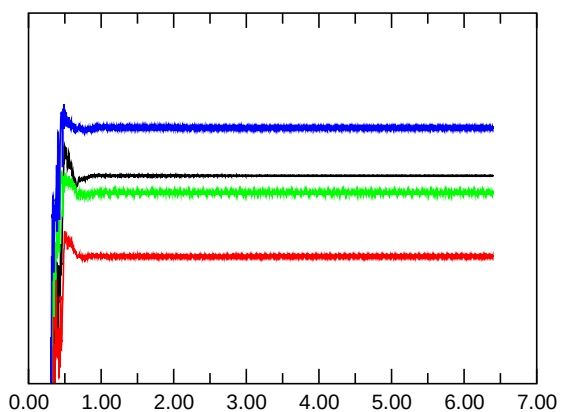
a.e02p001t03r-50000m1n2N2z1e6
 E_{kin}



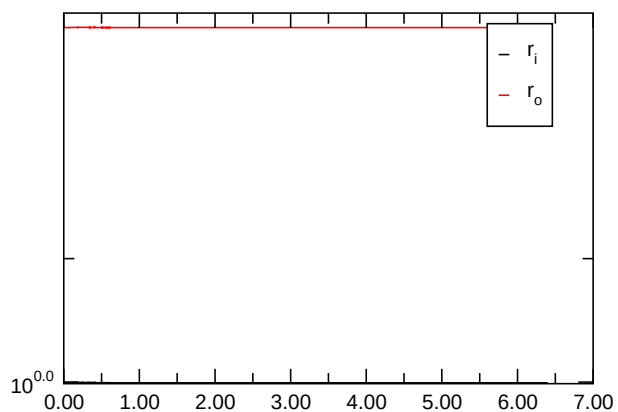
$E_{\text{kin,symm.}}$



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

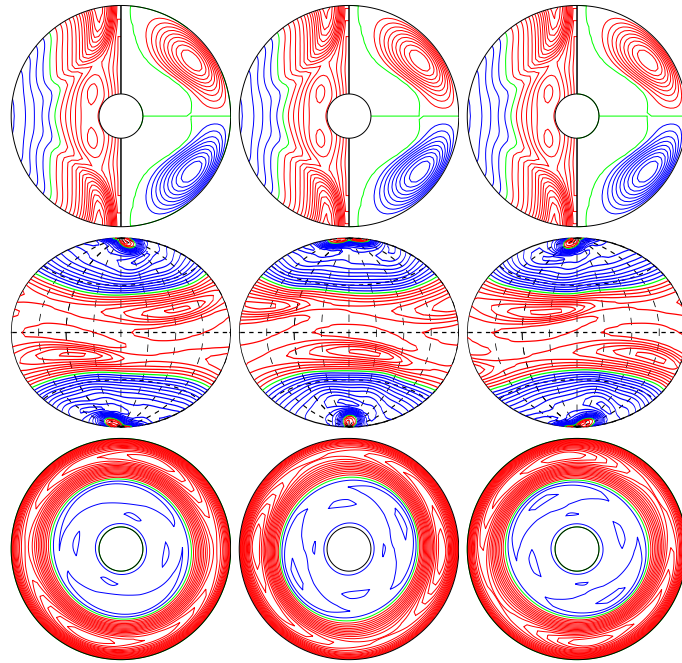


Nusselt Number



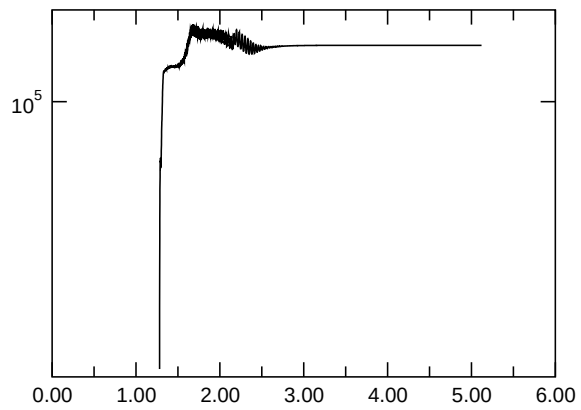
a.e02p001t03r-50000m1n2N2z1.2e6.4
times: 2.560002 3.840003 5.120004

May 2, 2017

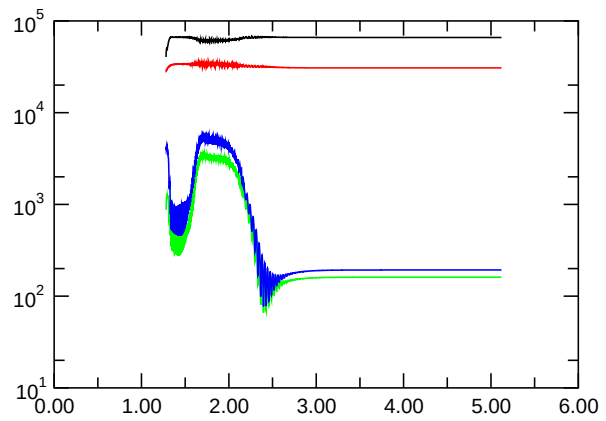


a.e02p001t03r-50000m1n2N2z1.2e6

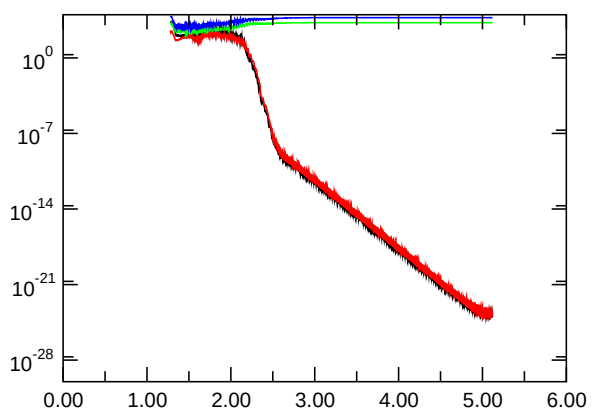
E_{kin}



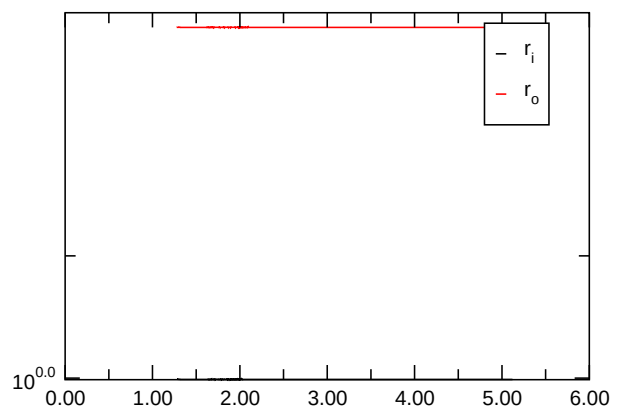
$E_{\text{kin,symm.}}$



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

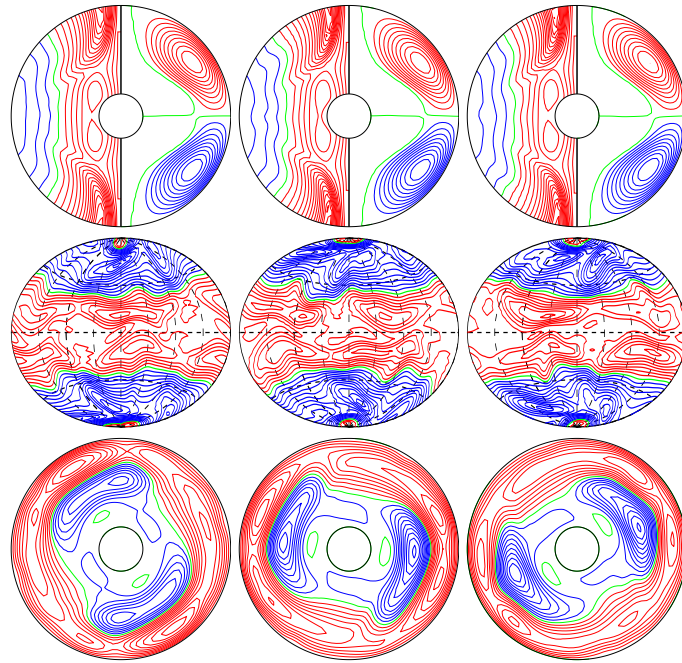


Nusselt Number

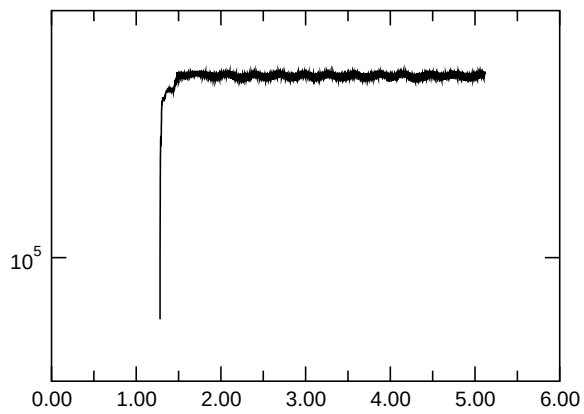


a.e02p001t03r-50000m1n2N2z1.5e6.4
times: 2.560002 3.840003 5.120004

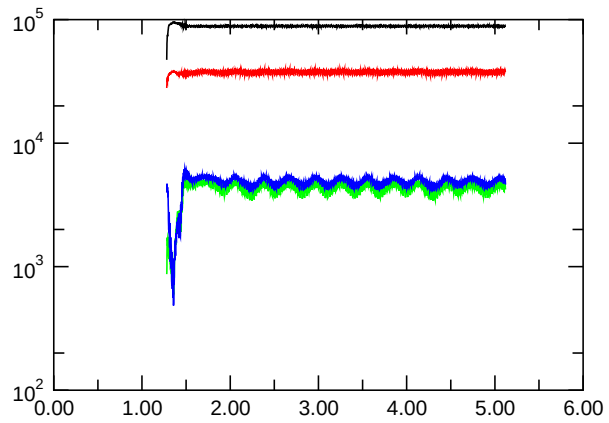
May 2, 2017



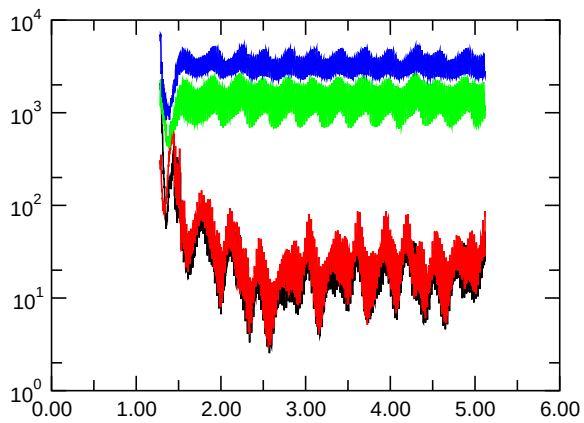
a.e02p001t03r-50000m1n2N2z1.5e6
 E_{kin}



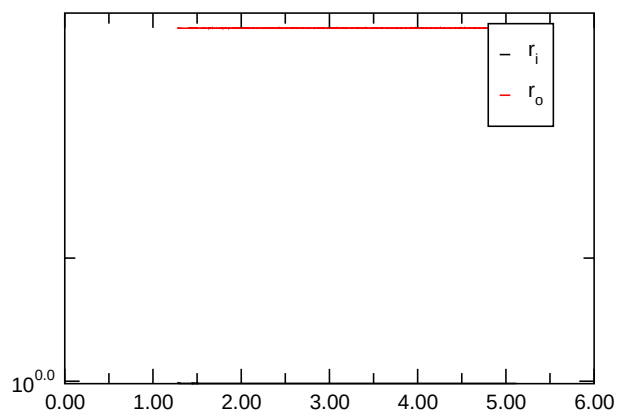
$E_{\text{kin,symm.}}$



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

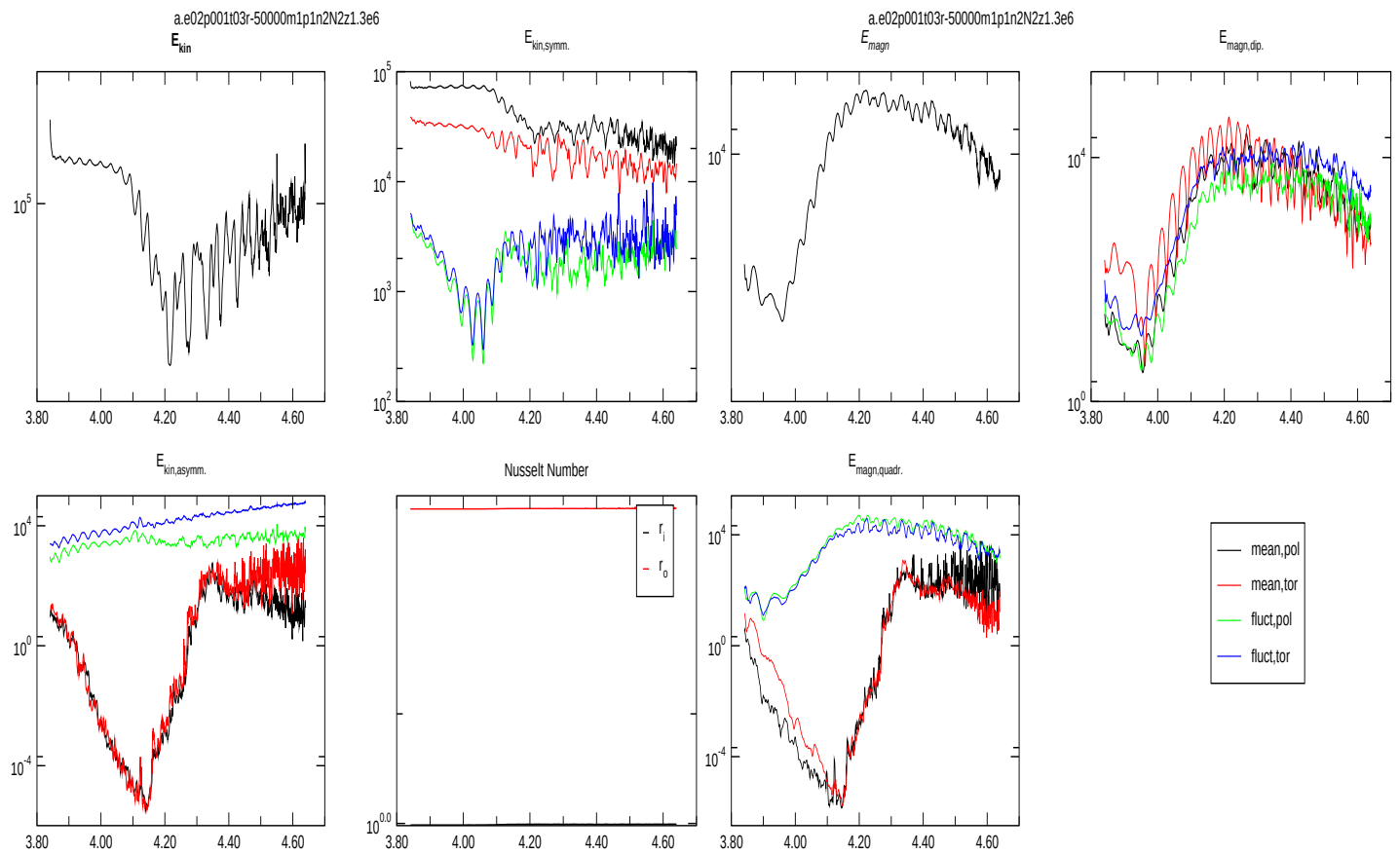
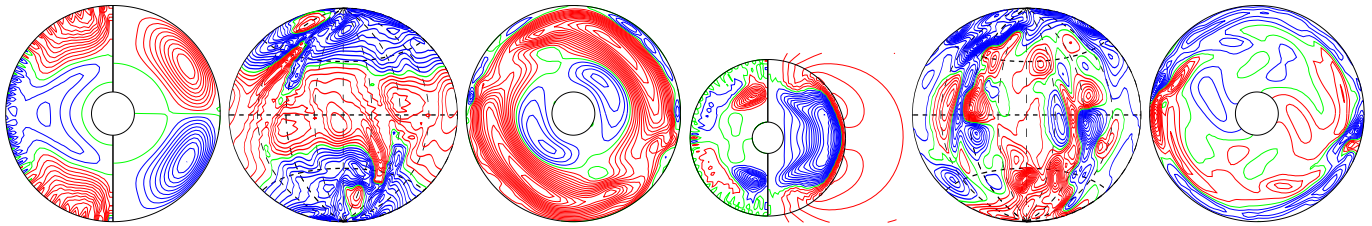


Nusselt Number



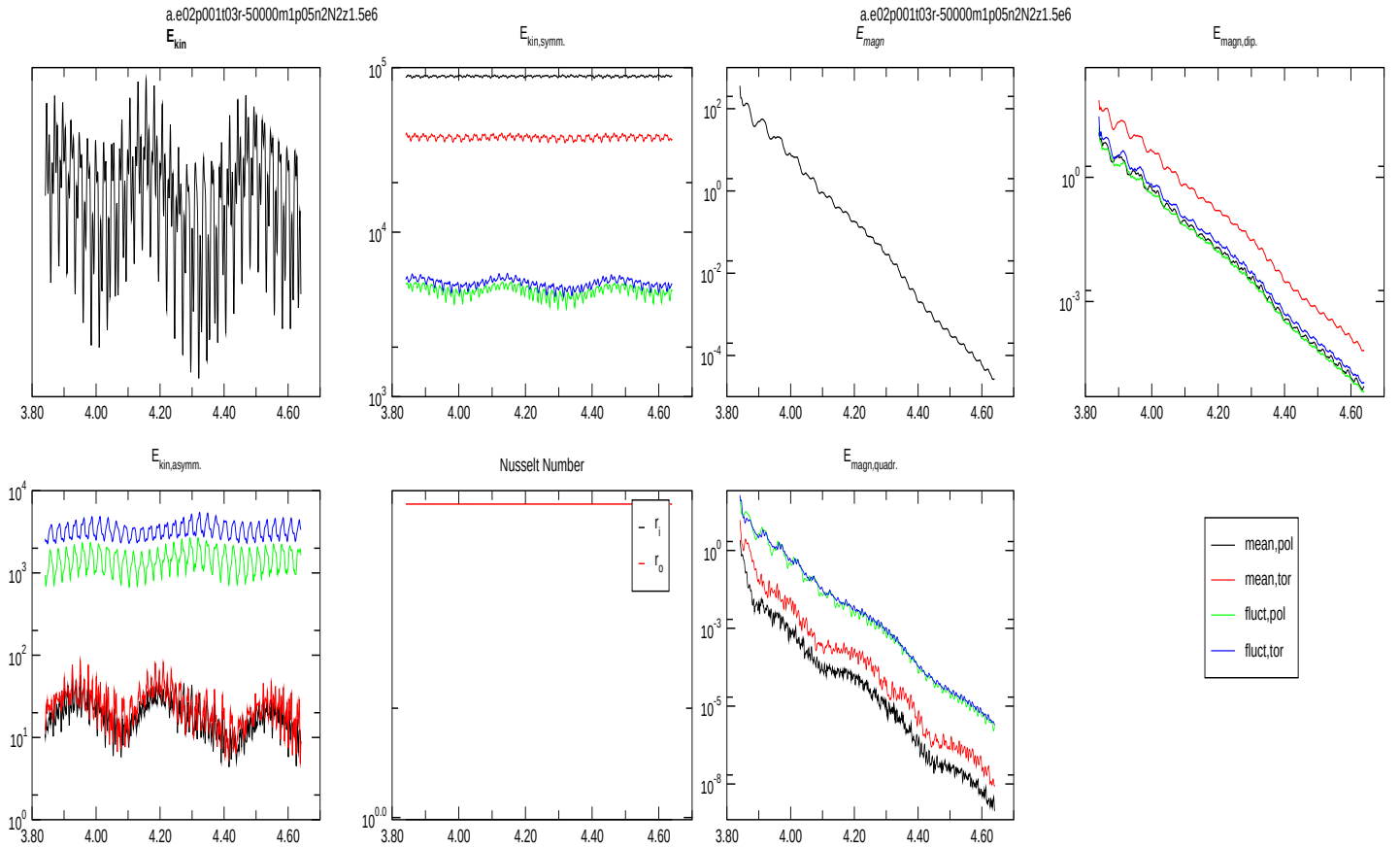
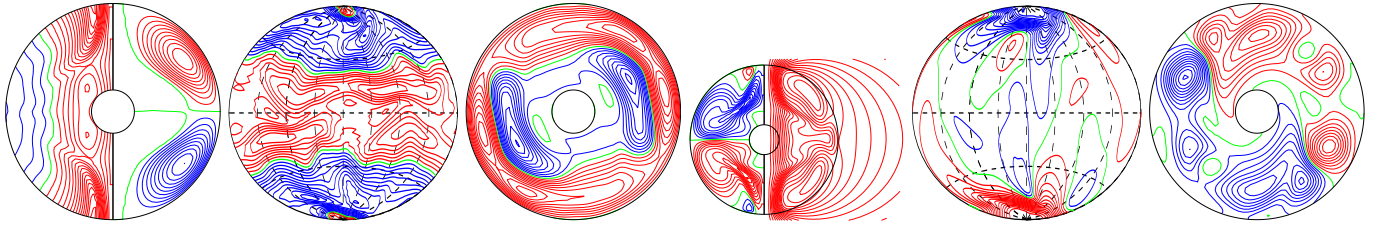
a.e02p001t03r-50000m1p1n2N2z1.3e6.2
times: 4.640004

May 2, 2017



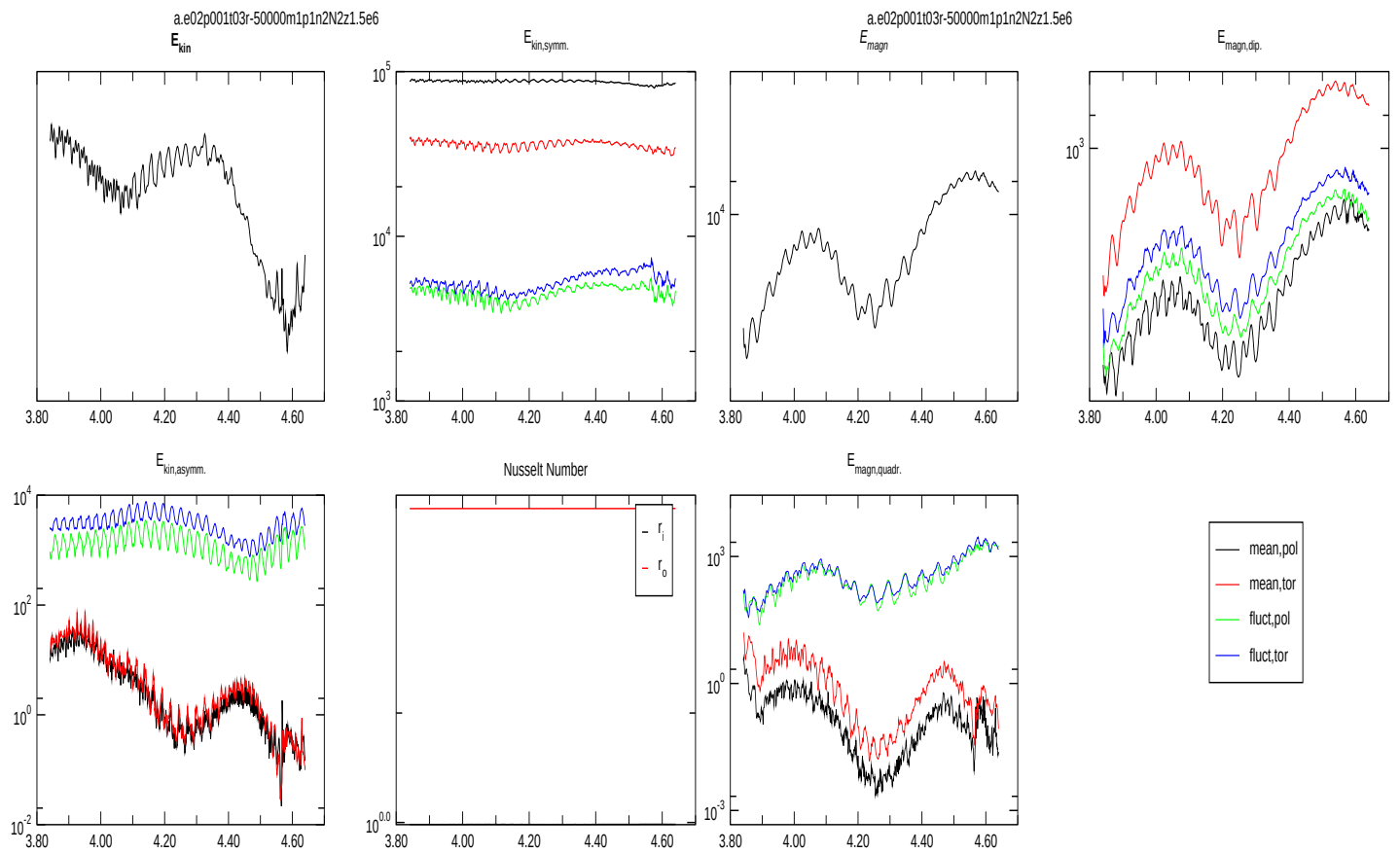
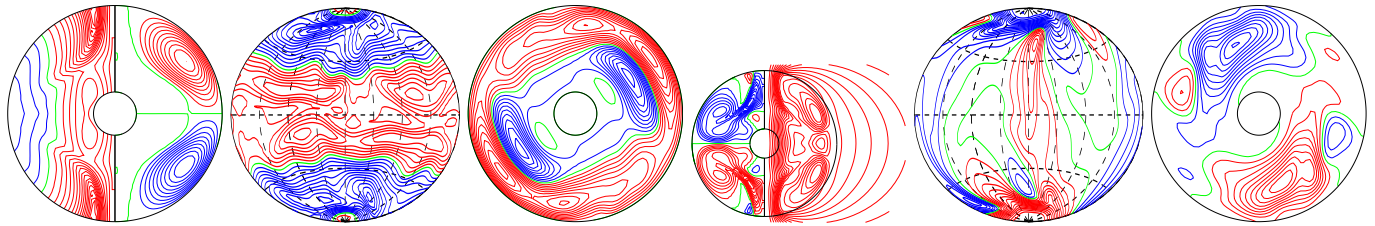
a.e02p001t03r-50000m1p05n2N2z1.5e6.2
times: 4.640004

May 2, 2017



a.e02p001t03r-50000m1p1n2N2z1.5e6.2
times: 4.640004

May 2, 2017



a.e02p001t03r-50000m1p1n2N2z1.8e6.2
times: 2.080002

May 2, 2017

