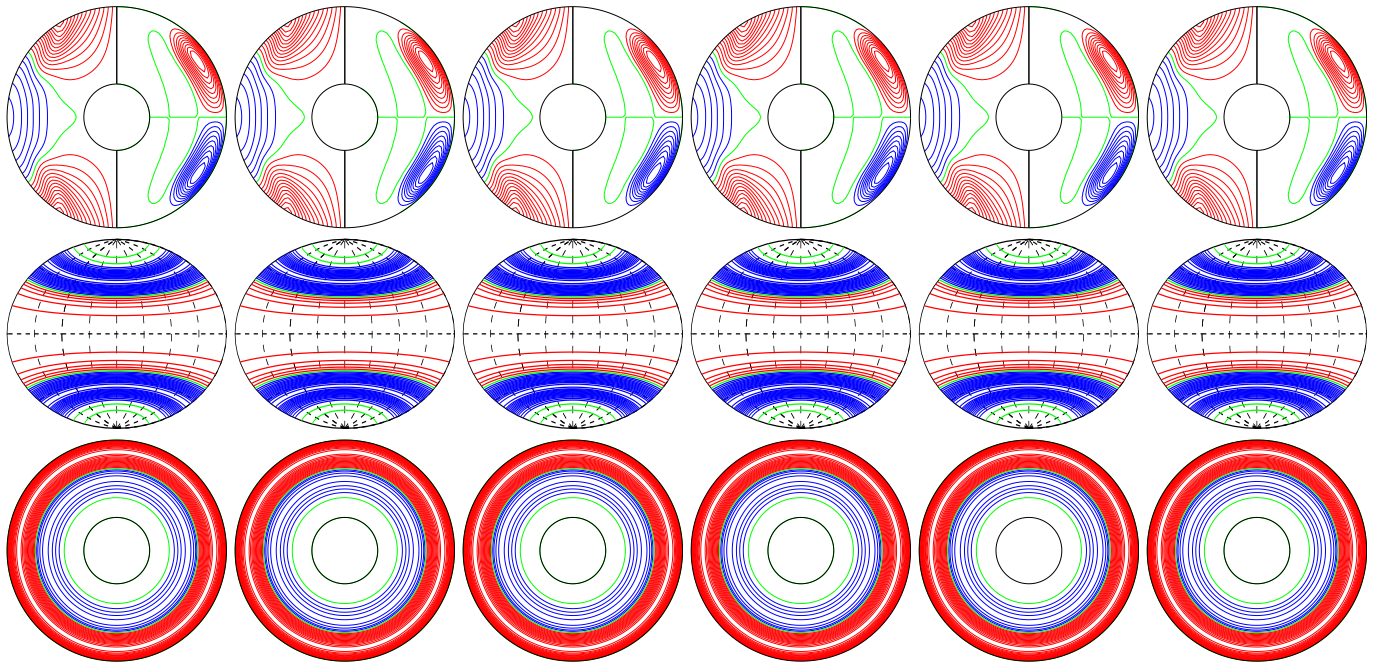


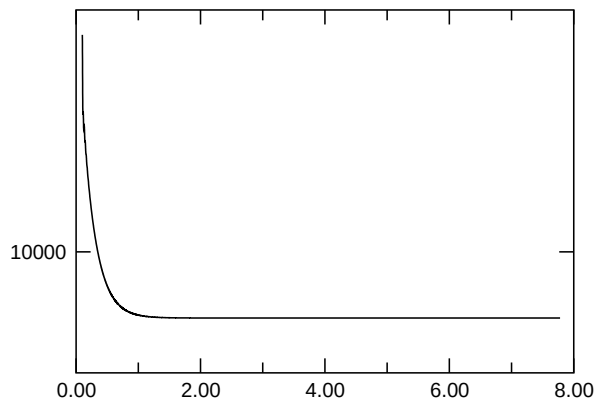
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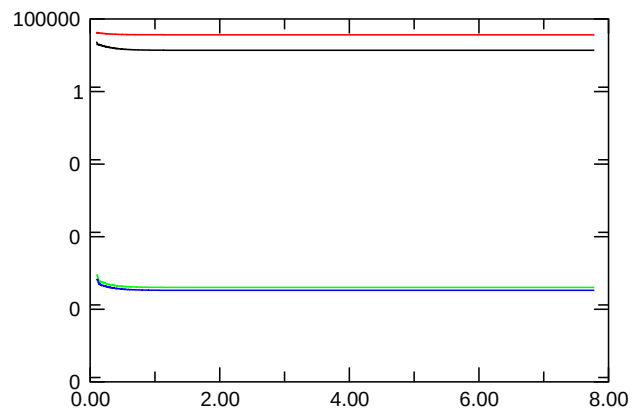
July 16, 2015



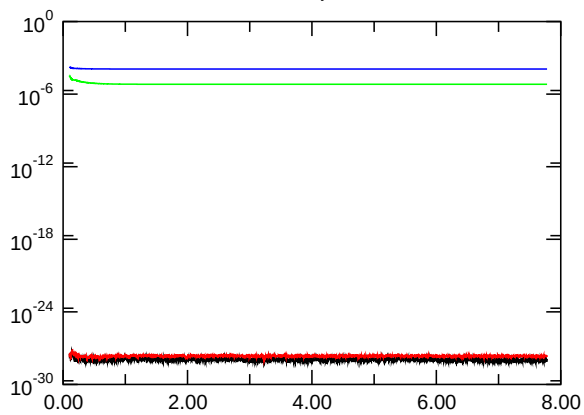
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 $E_{\text{kin}}$



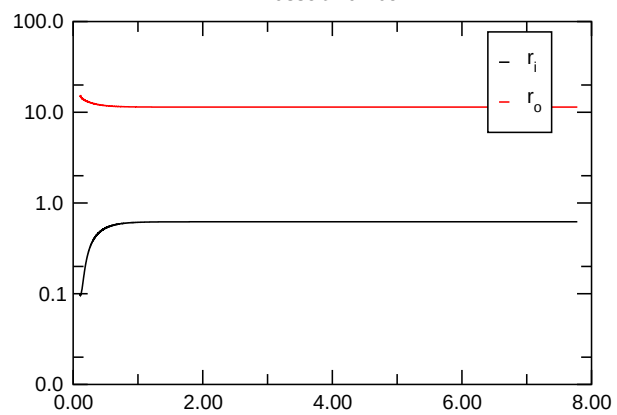
$E_{\text{kin,symm.}}$



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

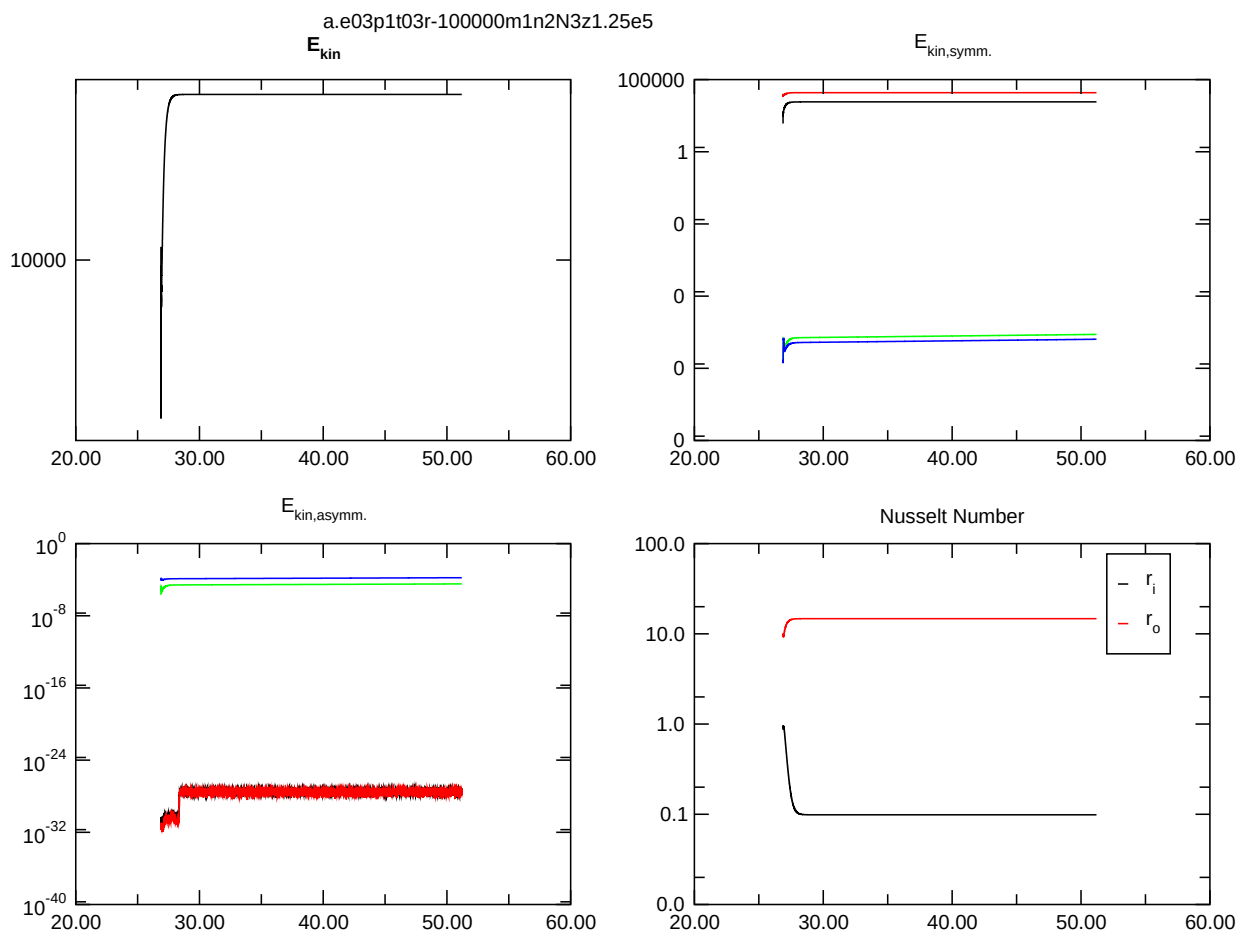
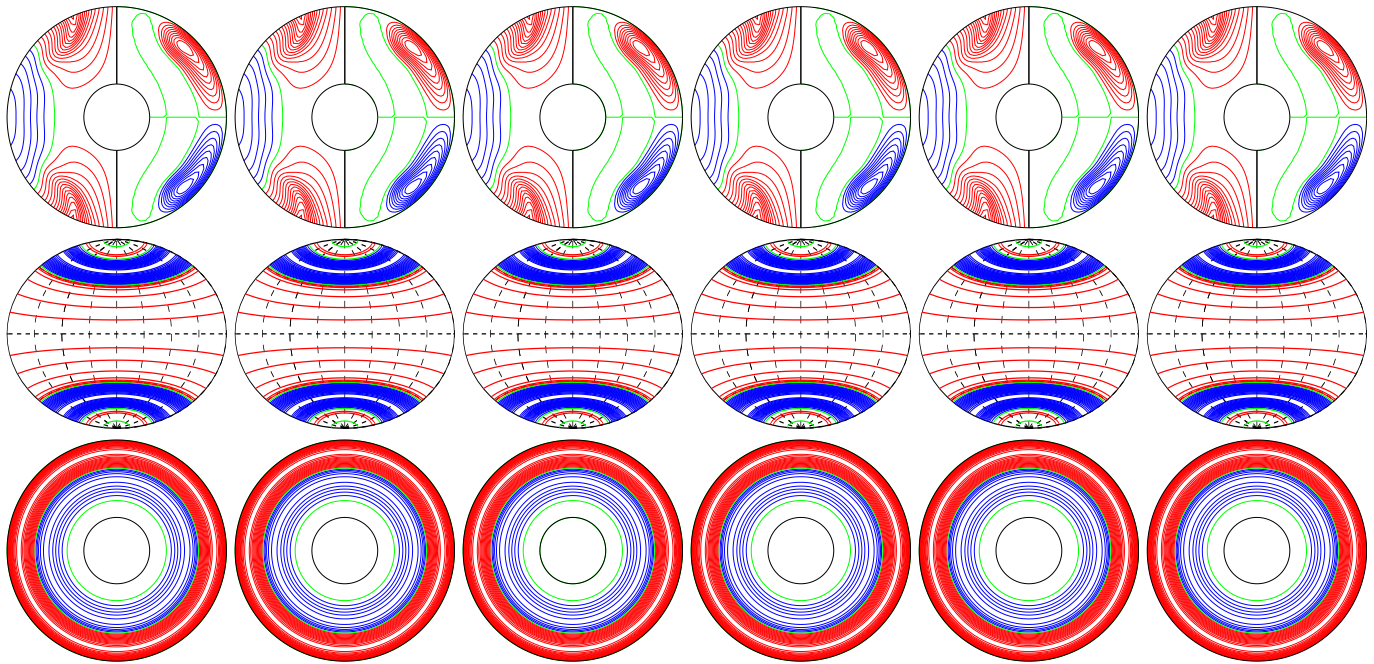


Nusselt Number



a.e03p1t03r-100000m1n2N3z1.25e5.20  
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July 16, 2015

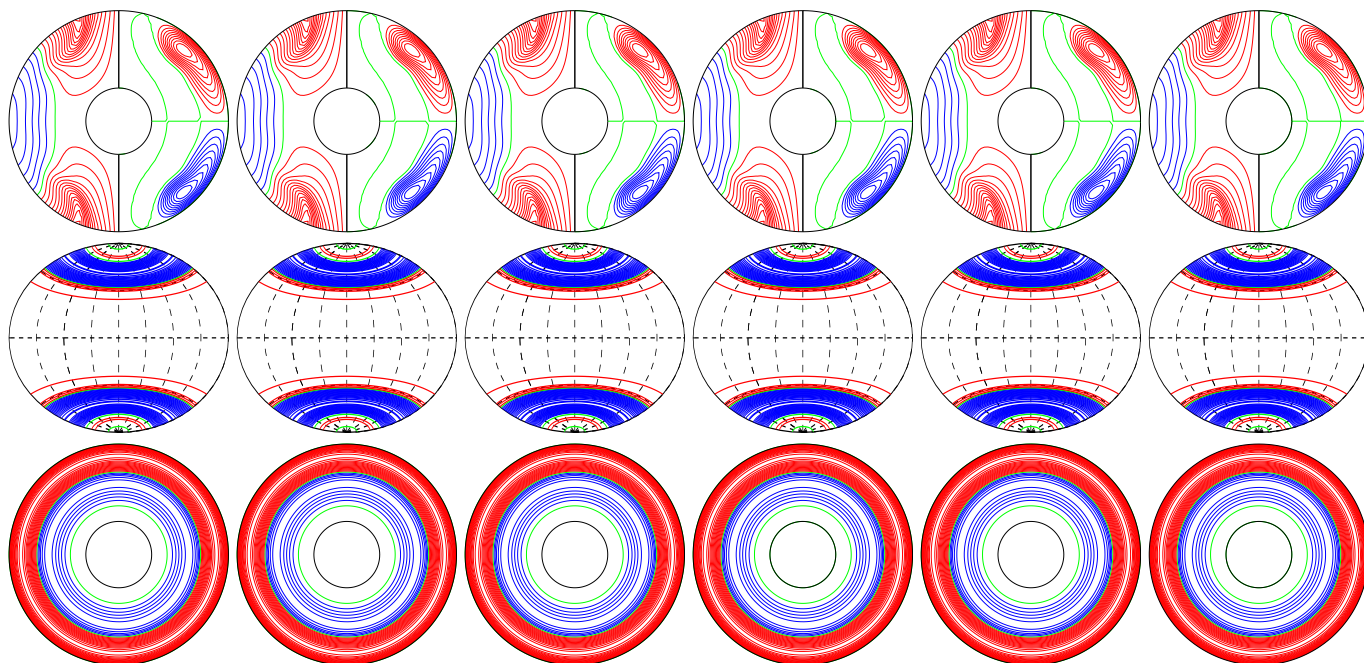




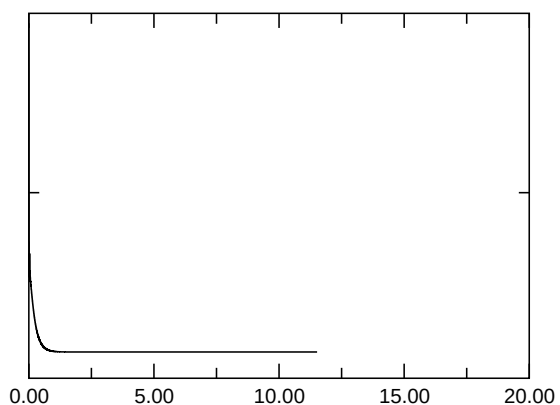
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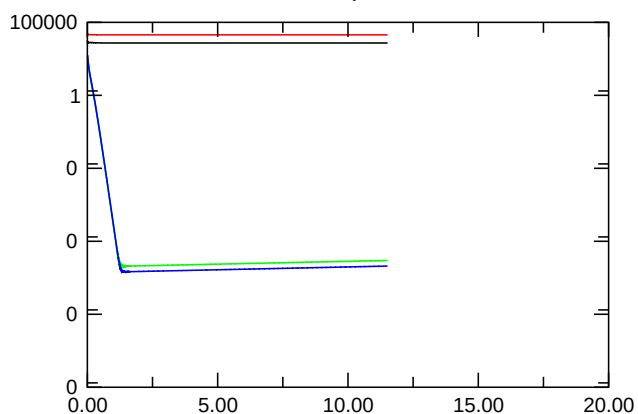
July 16, 2015



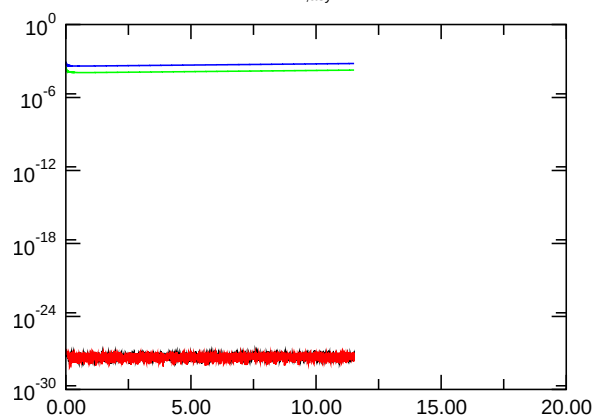
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 $E_{\text{kin}}$



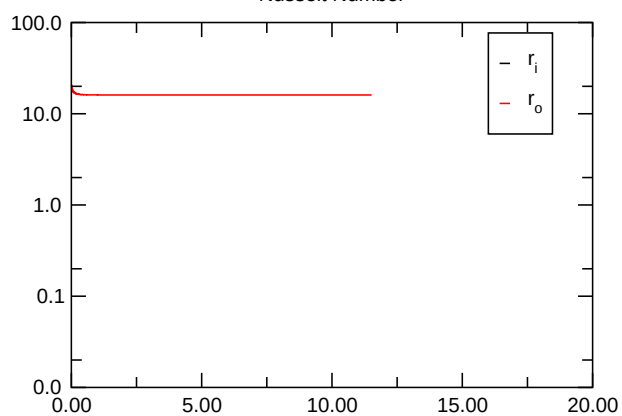
$E_{\text{kin,symm.}}$



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

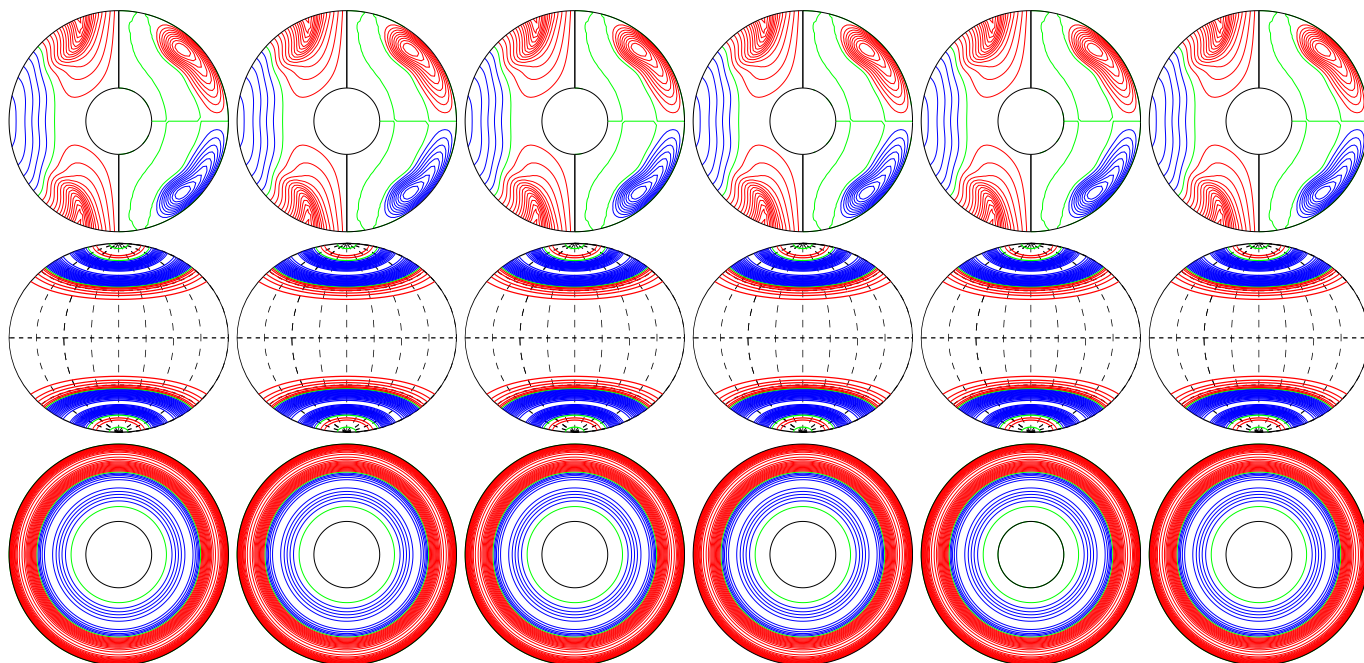


Nusselt Number

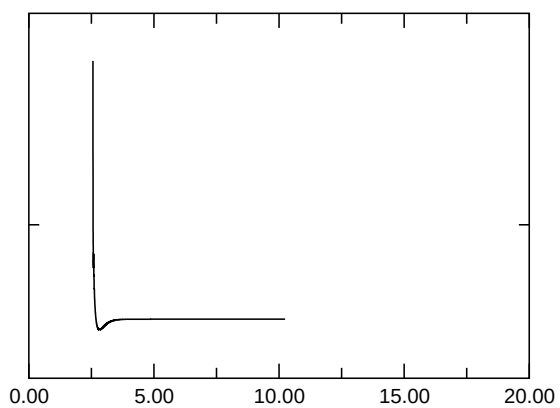


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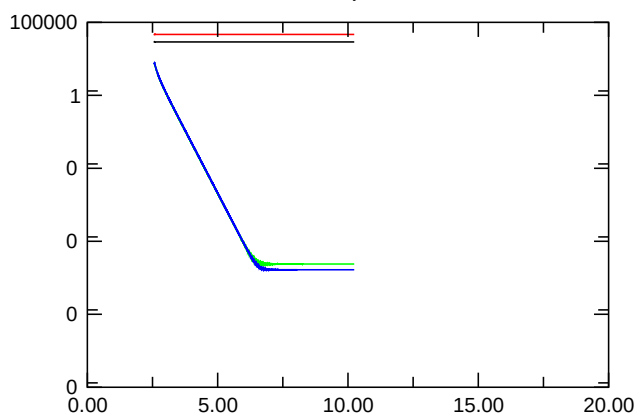
July 16, 2015



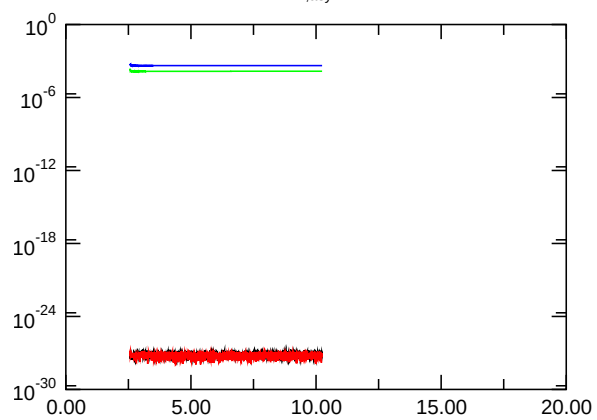
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 $E_{\text{kin}}$



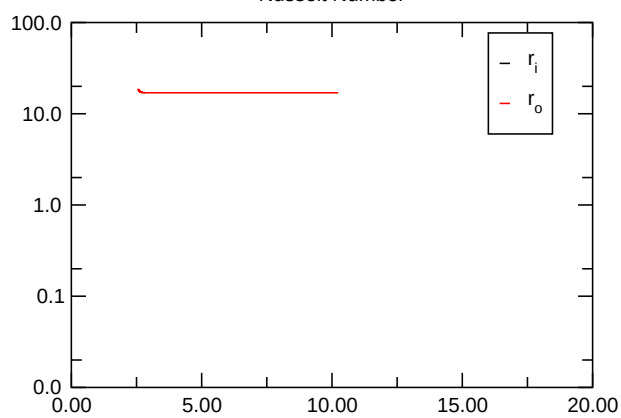
$E_{\text{kin,symm.}}$



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



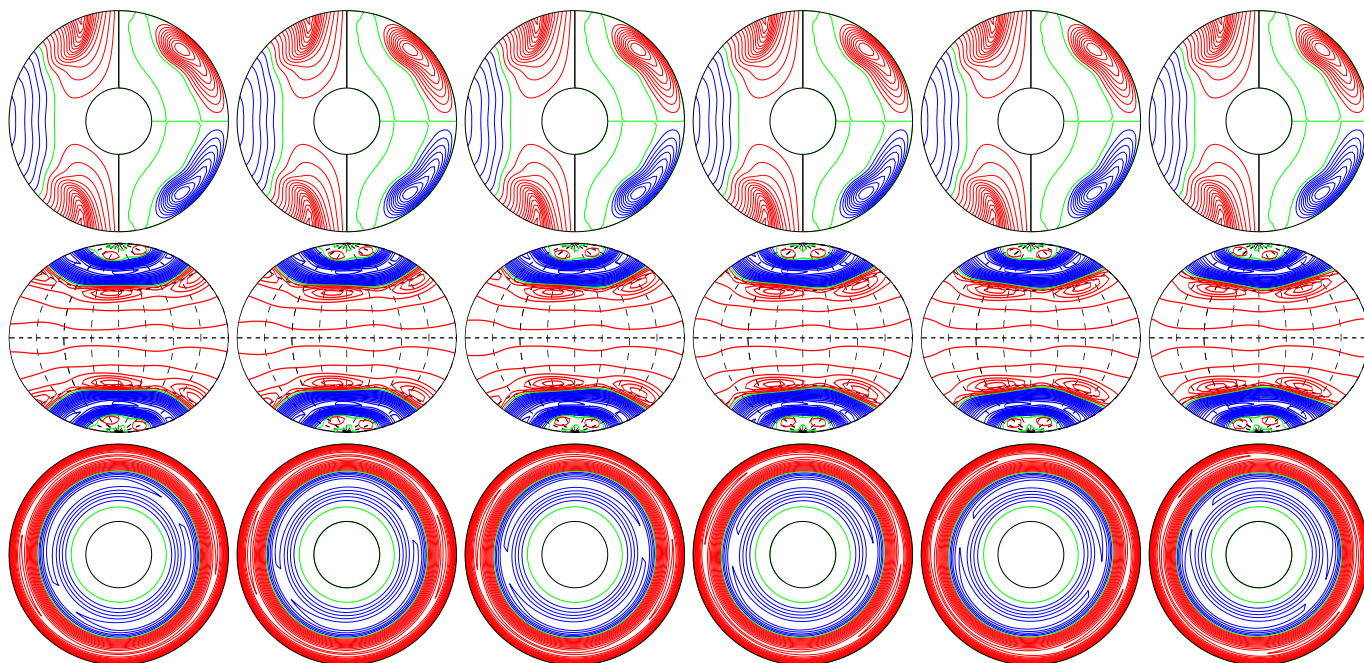
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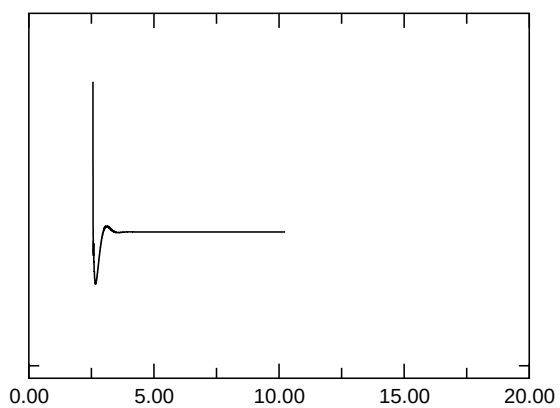
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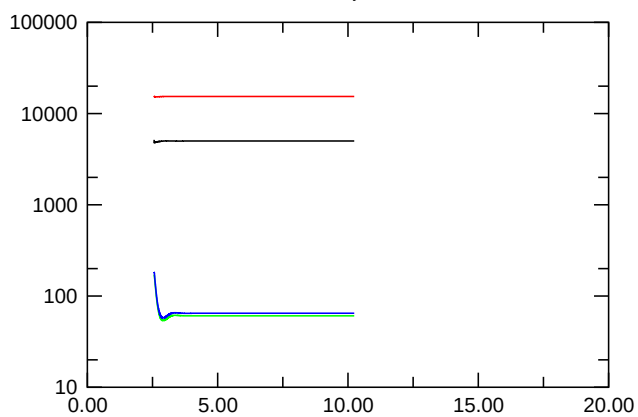
July 16, 2015



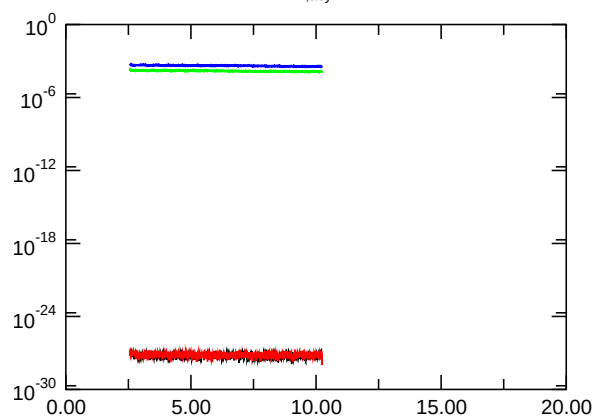
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 $E_{\text{kin}}$



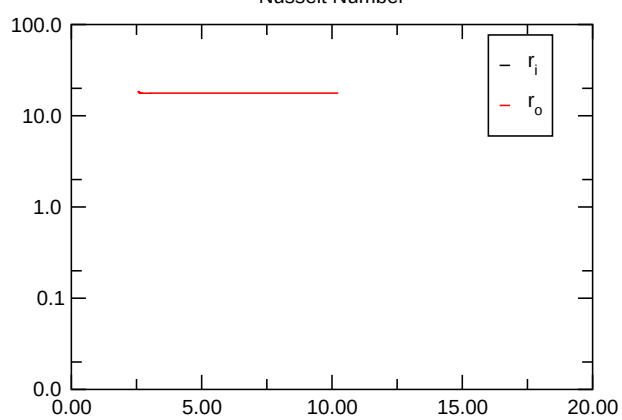
$E_{\text{kin, symm.}}$



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



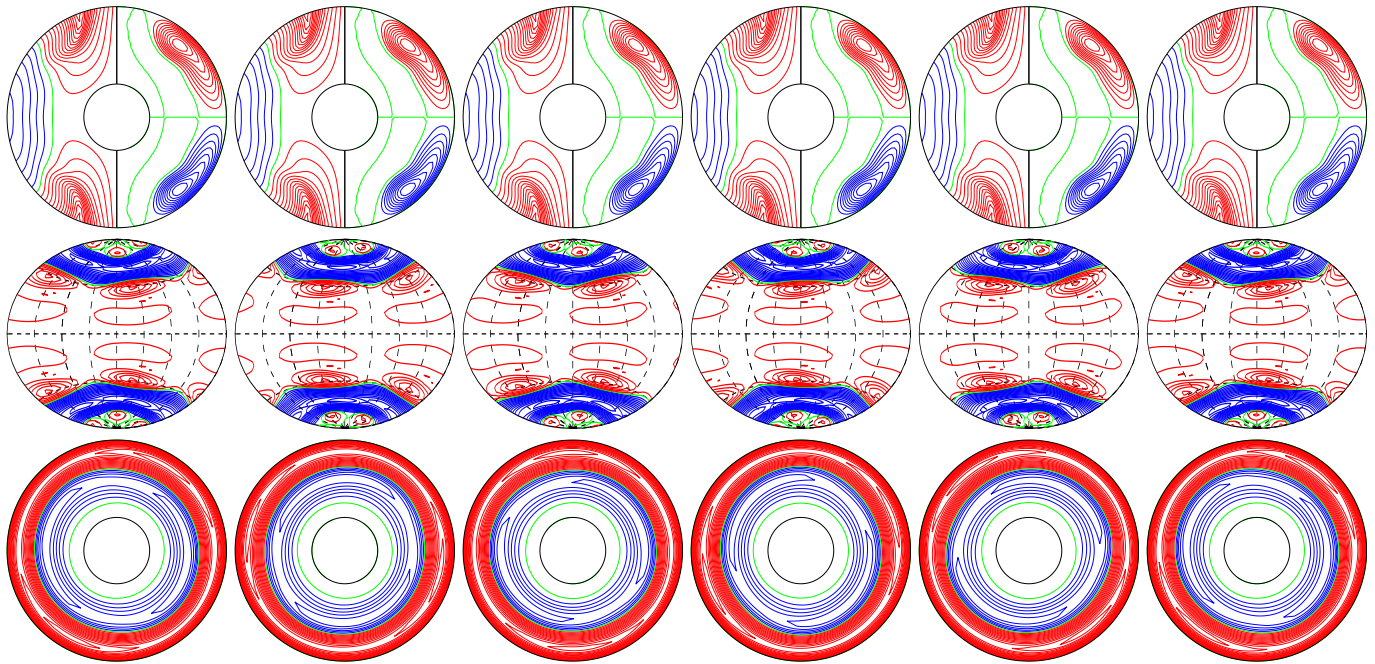
Nusselt Number



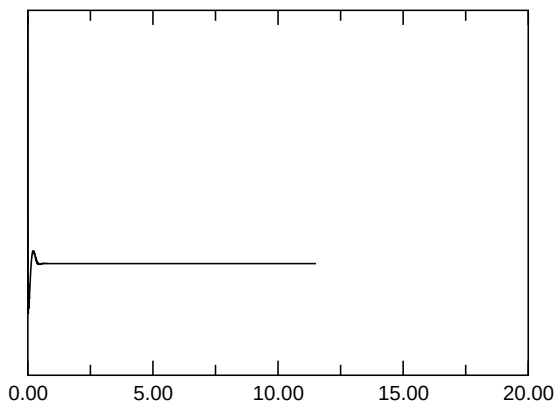
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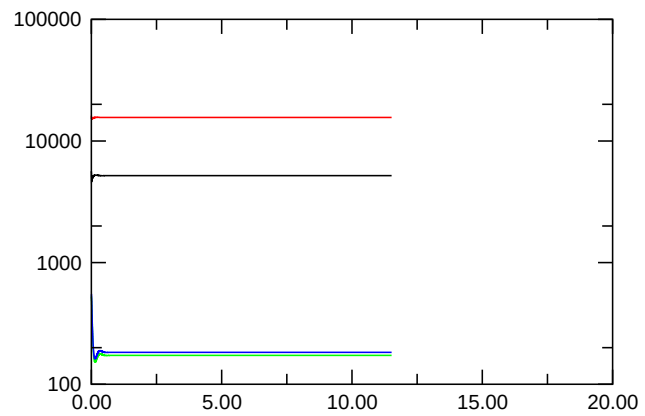
July 16, 2015



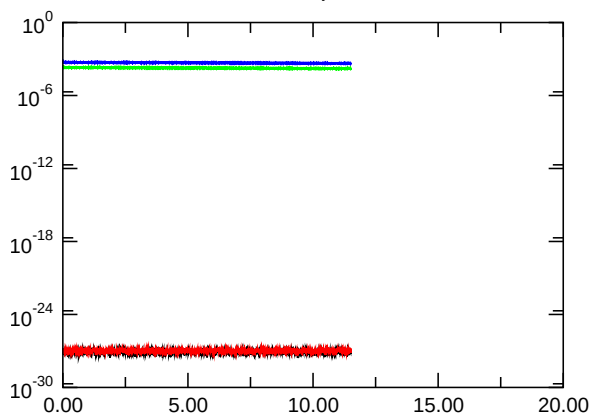
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 $E_{\text{kin}}$



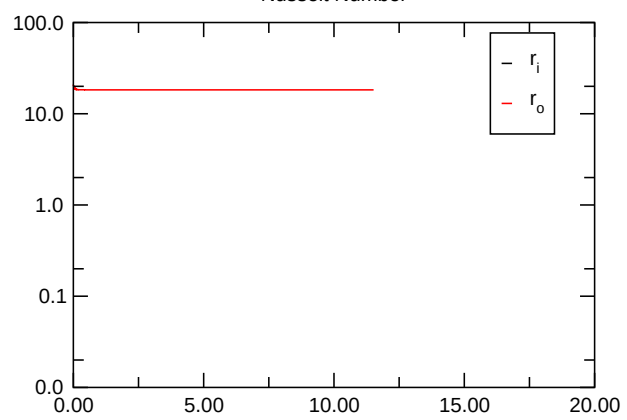
$E_{\text{kin,symm.}}$



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



Nusselt Number

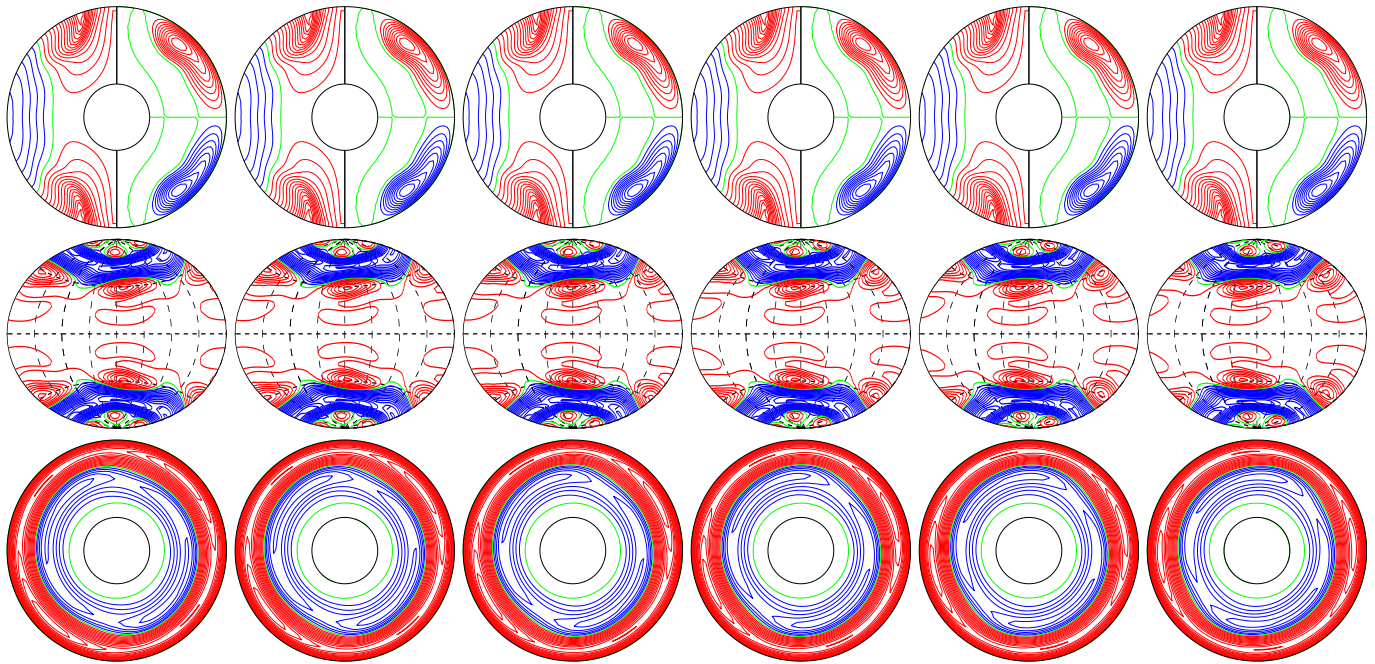




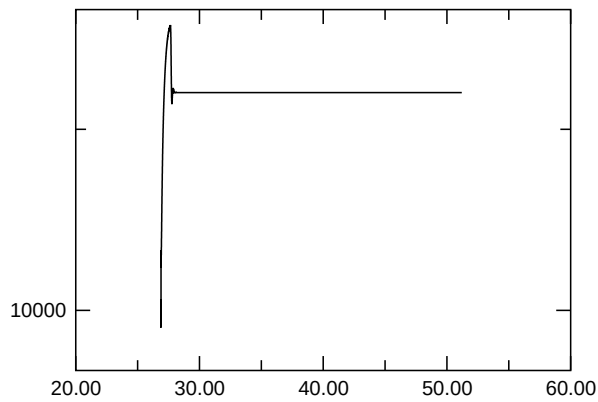
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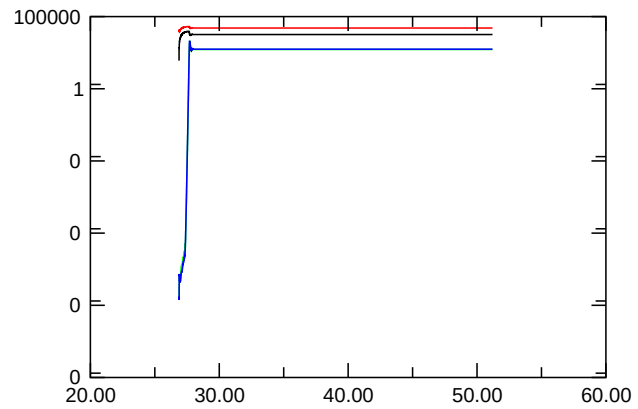
July 16, 2015



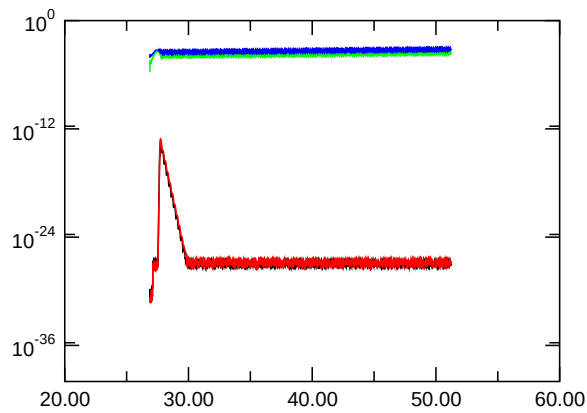
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 $E_{\text{kin}}$



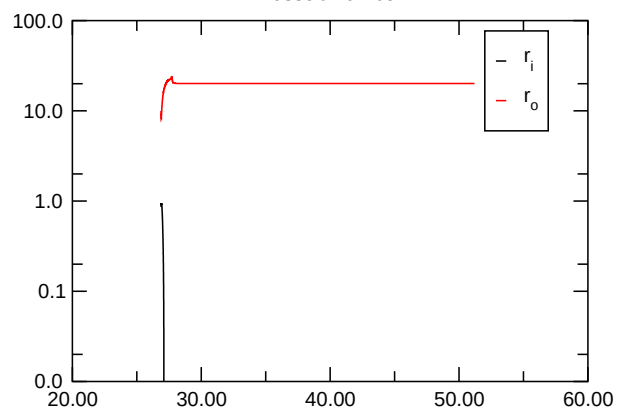
$E_{\text{kin, symm.}}$



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



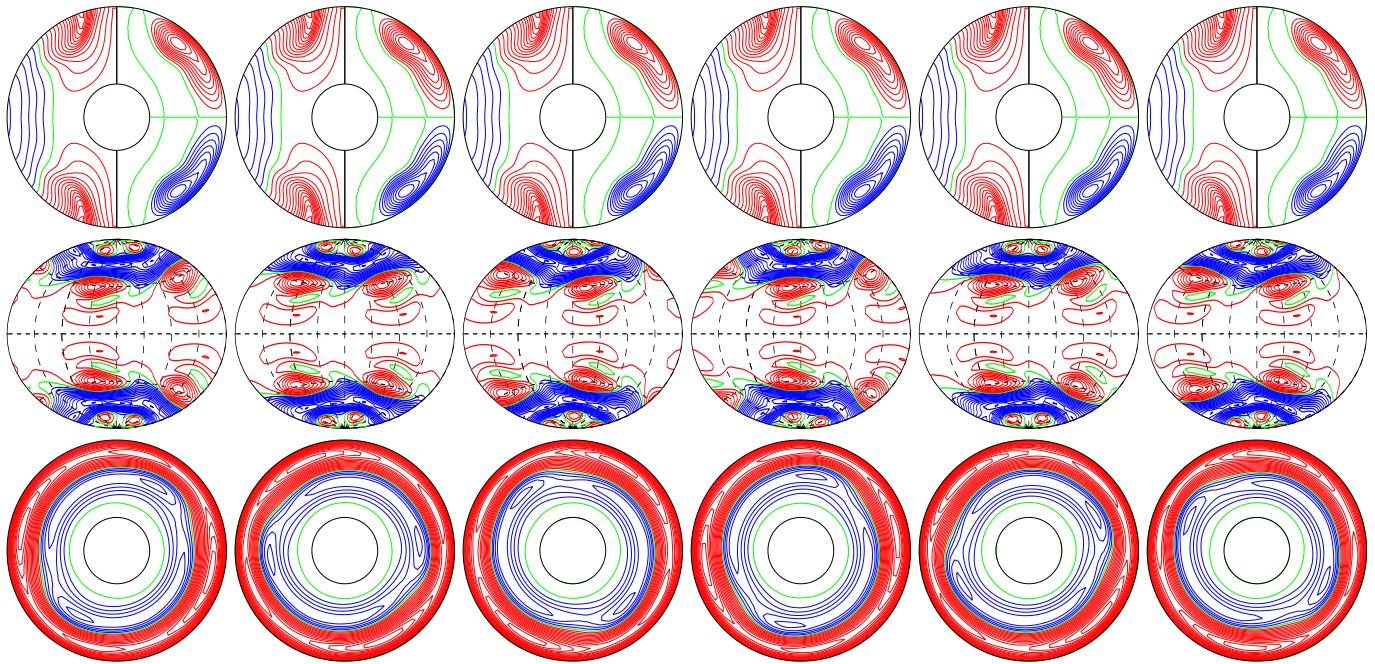
Nusselt Number



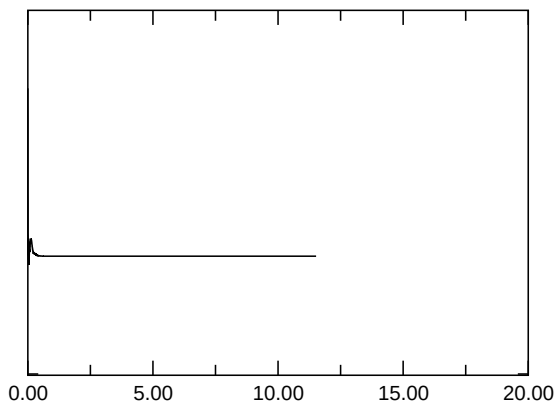
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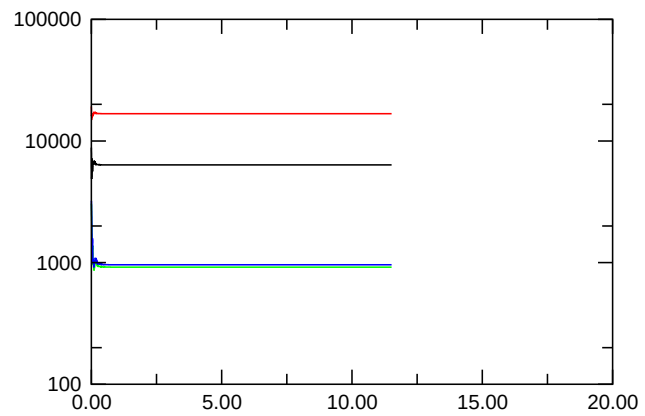
July 16, 2015



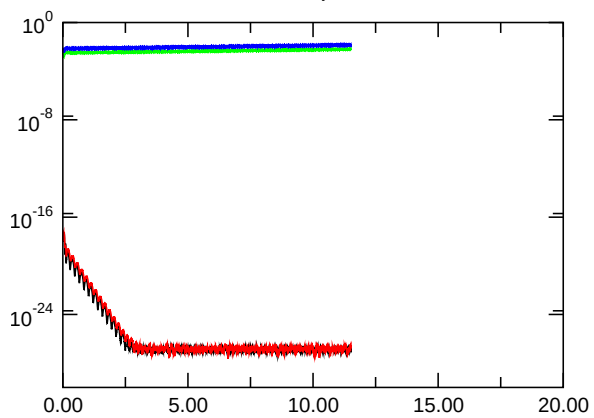
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 $E_{\text{kin}}$



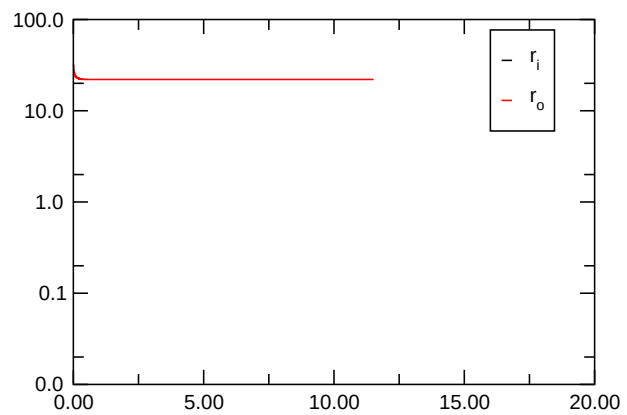
$E_{\text{kin,symm.}}$



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

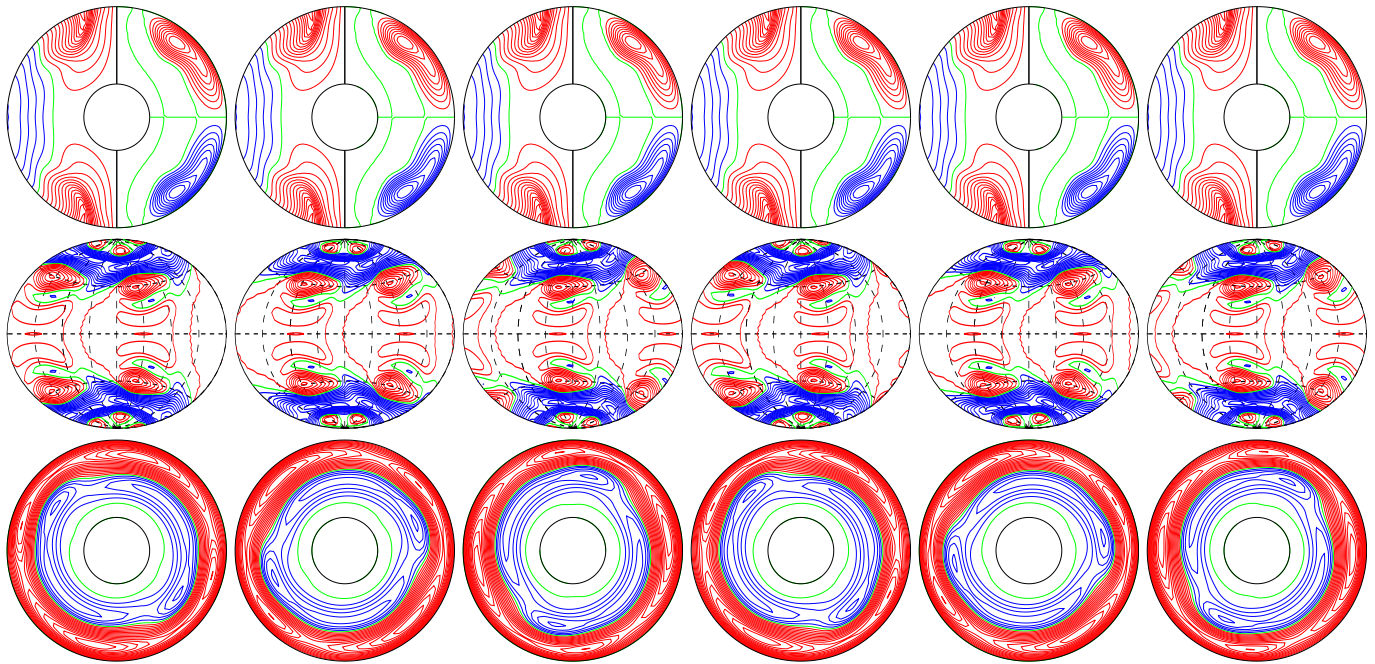


Nusselt Number

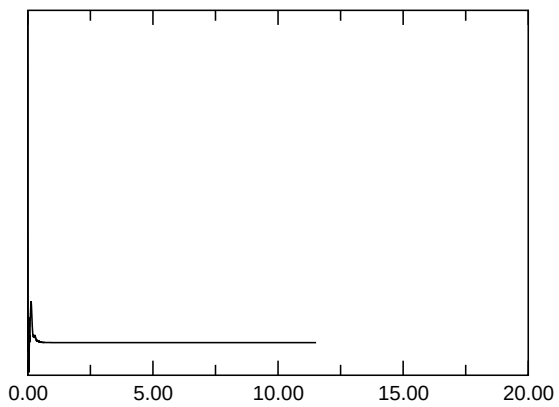


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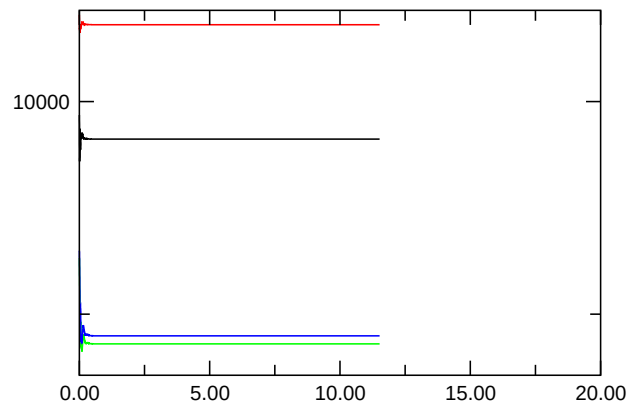
July 16, 2015



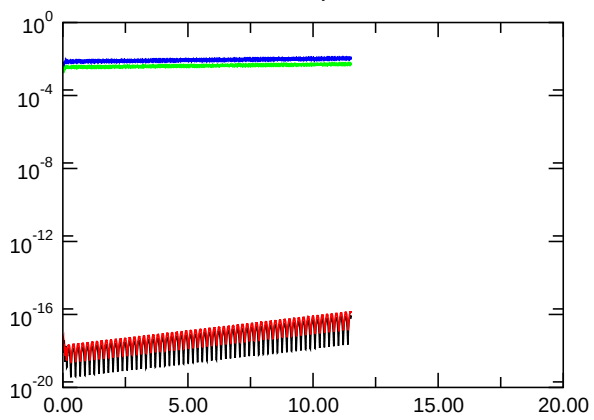
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 $E_{\text{kin}}$



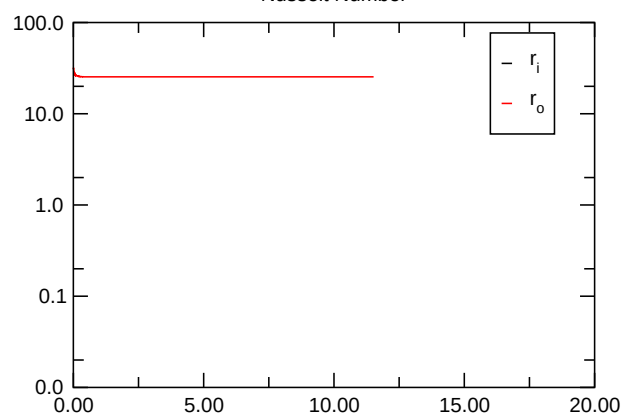
$E_{\text{kin,symm.}}$



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



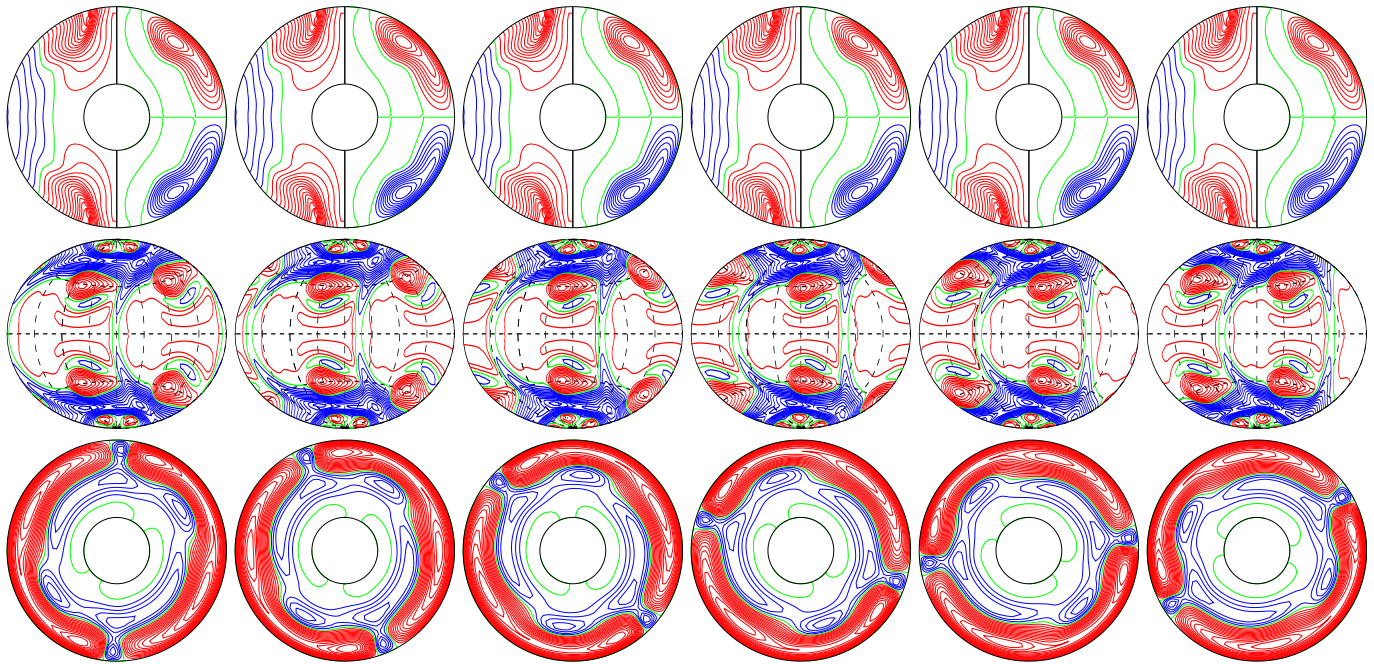
Nusselt Number



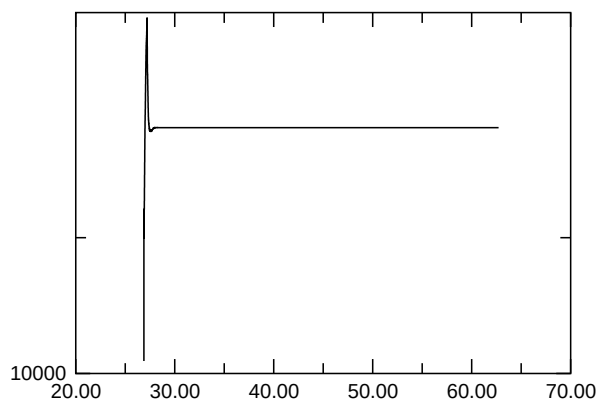
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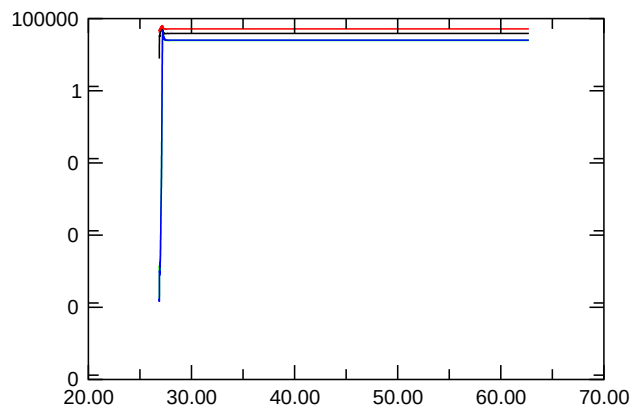
July 16, 2015



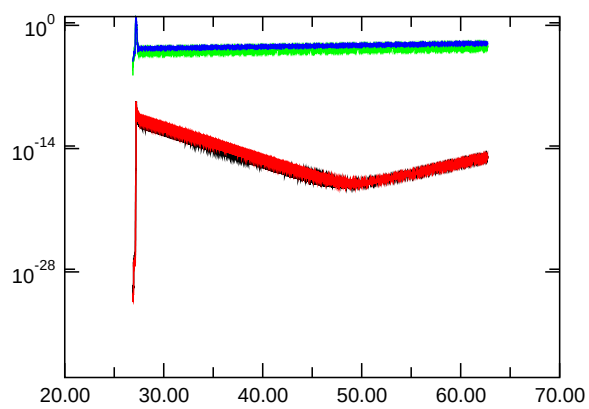
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 $E_{\text{kin}}$



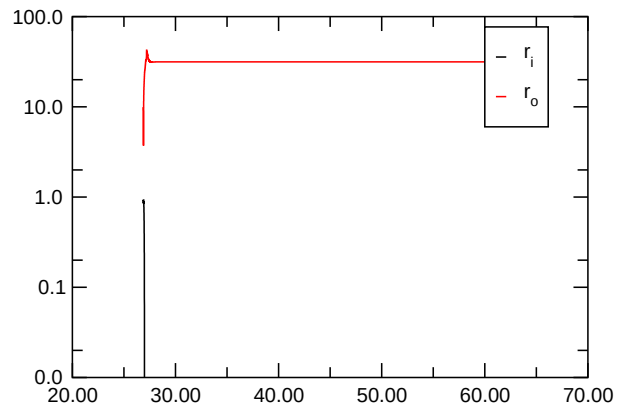
$E_{\text{kin, symm.}}$



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



Nusselt Number

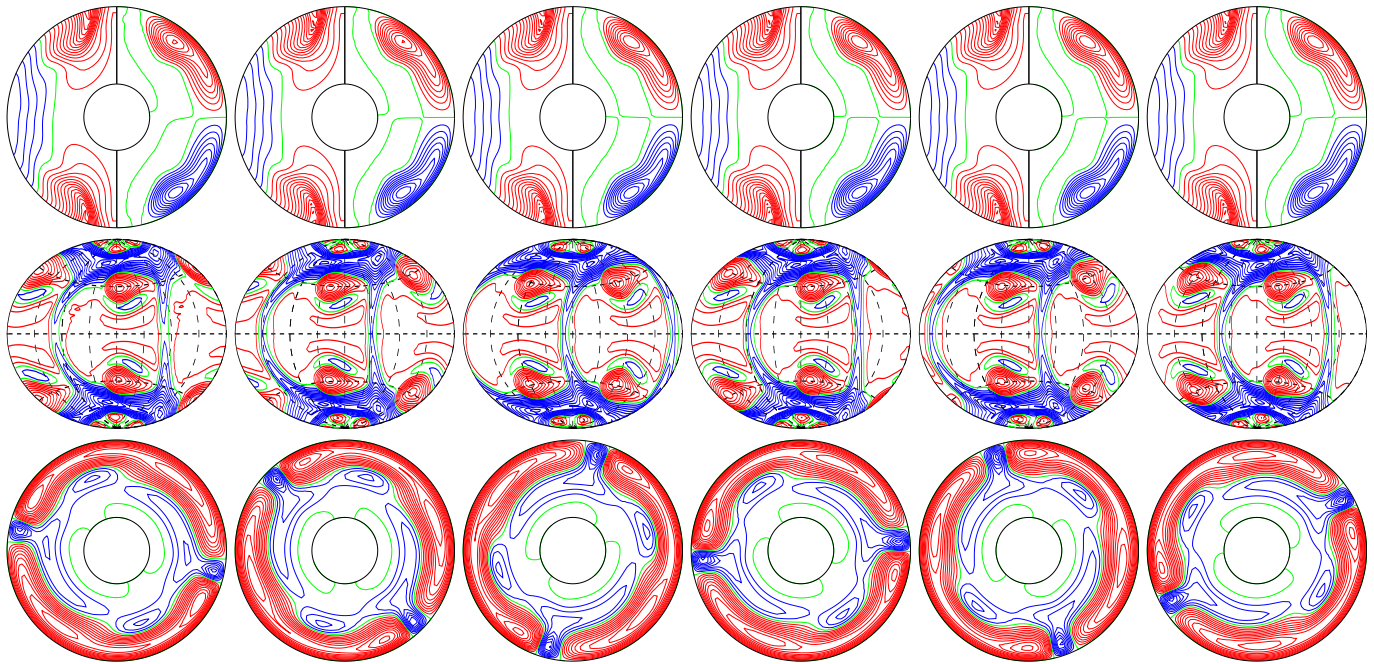




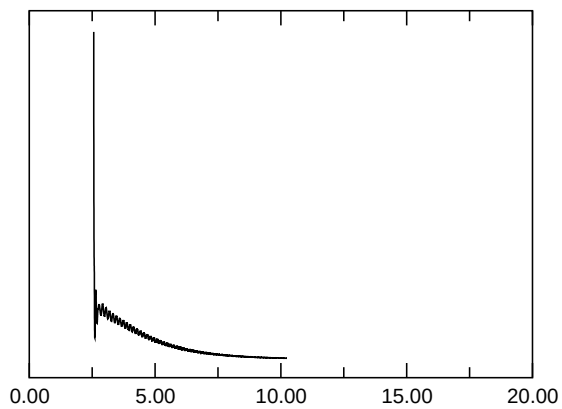
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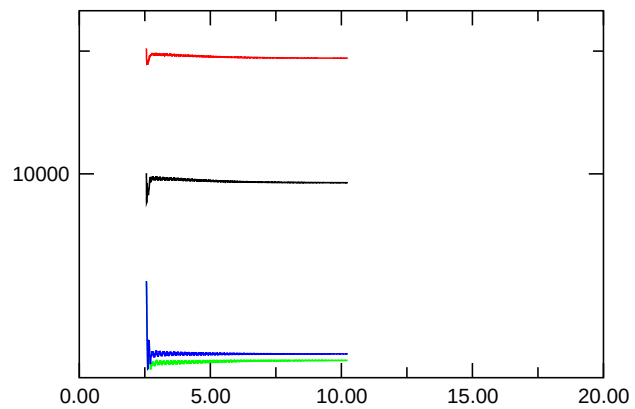
July 16, 2015



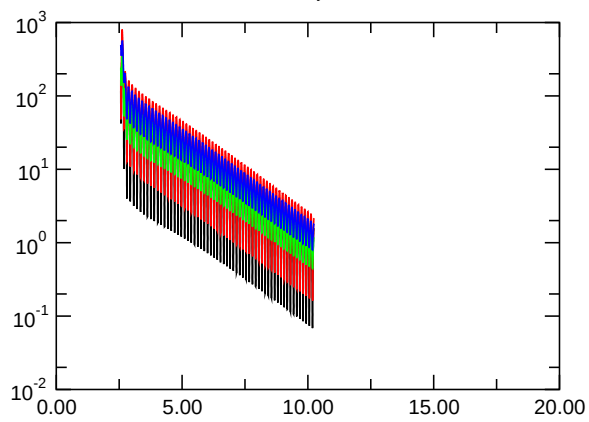
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 $E_{\text{kin}}$



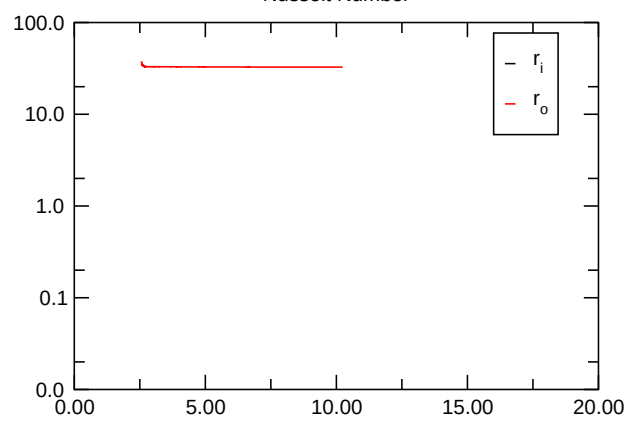
$E_{\text{kin,symm.}}$



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



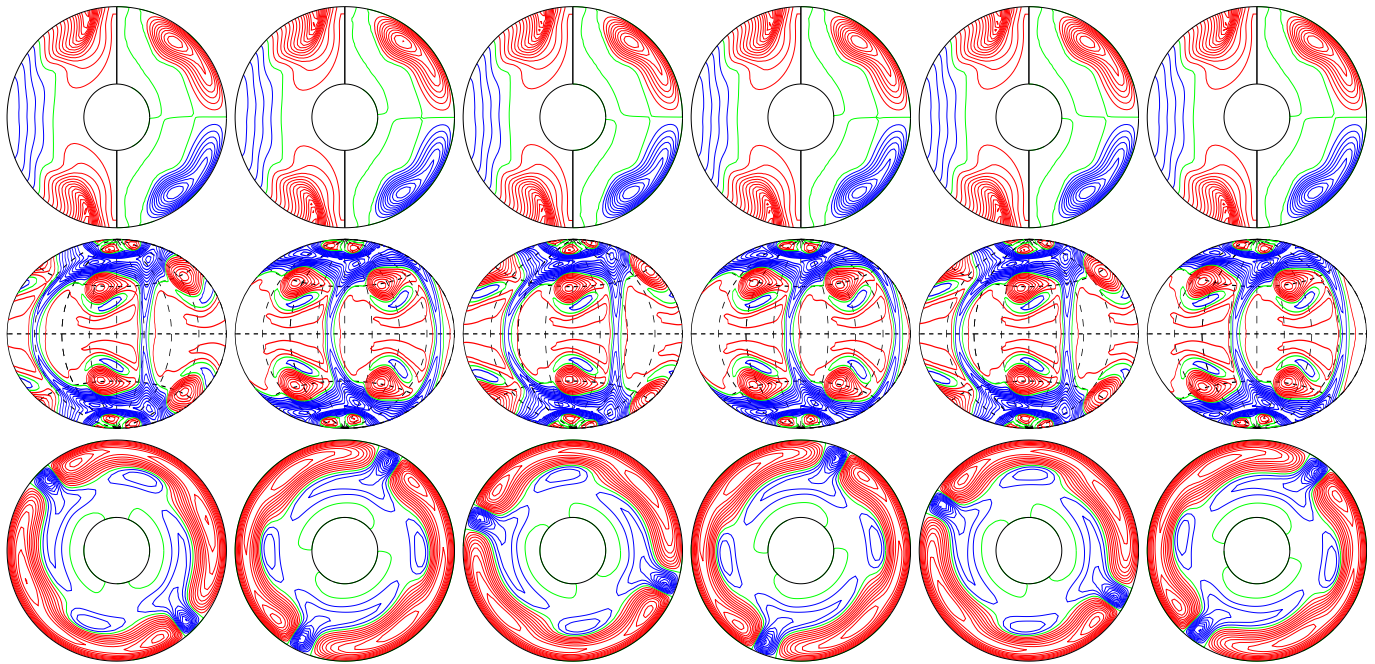
Nusselt Number



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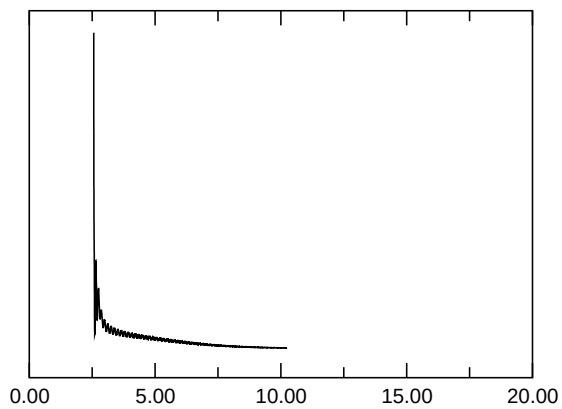
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July 16, 2015

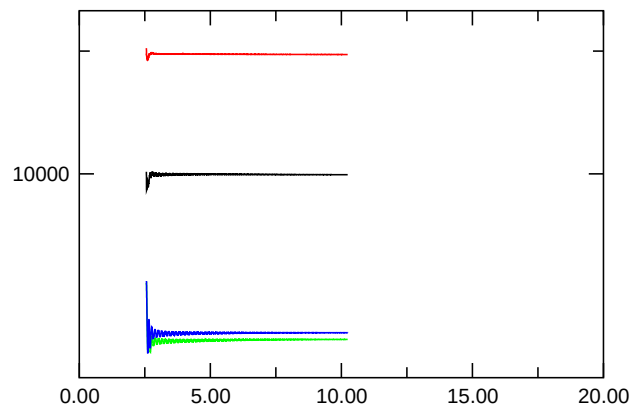


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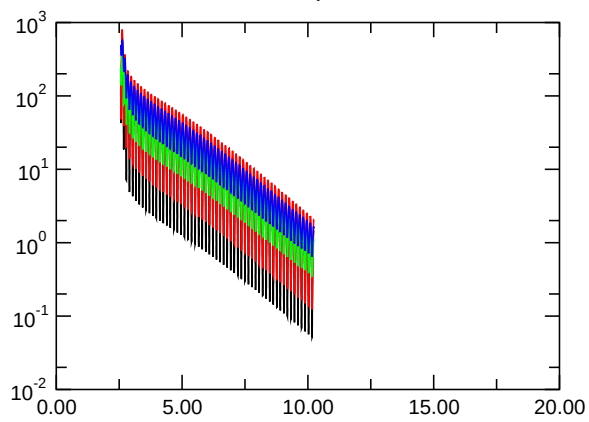
$E_{\text{kin}}$



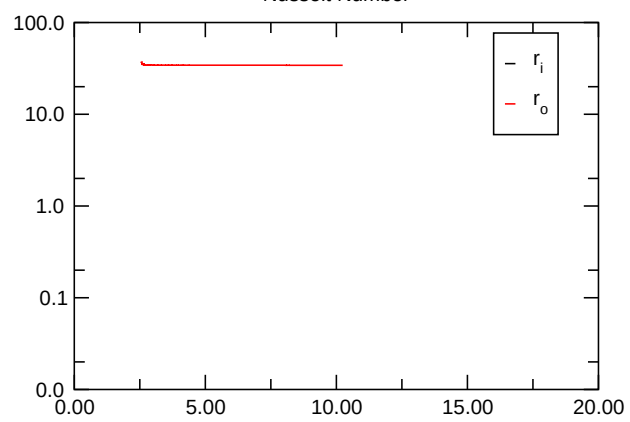
$E_{\text{kin,symm.}}$



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



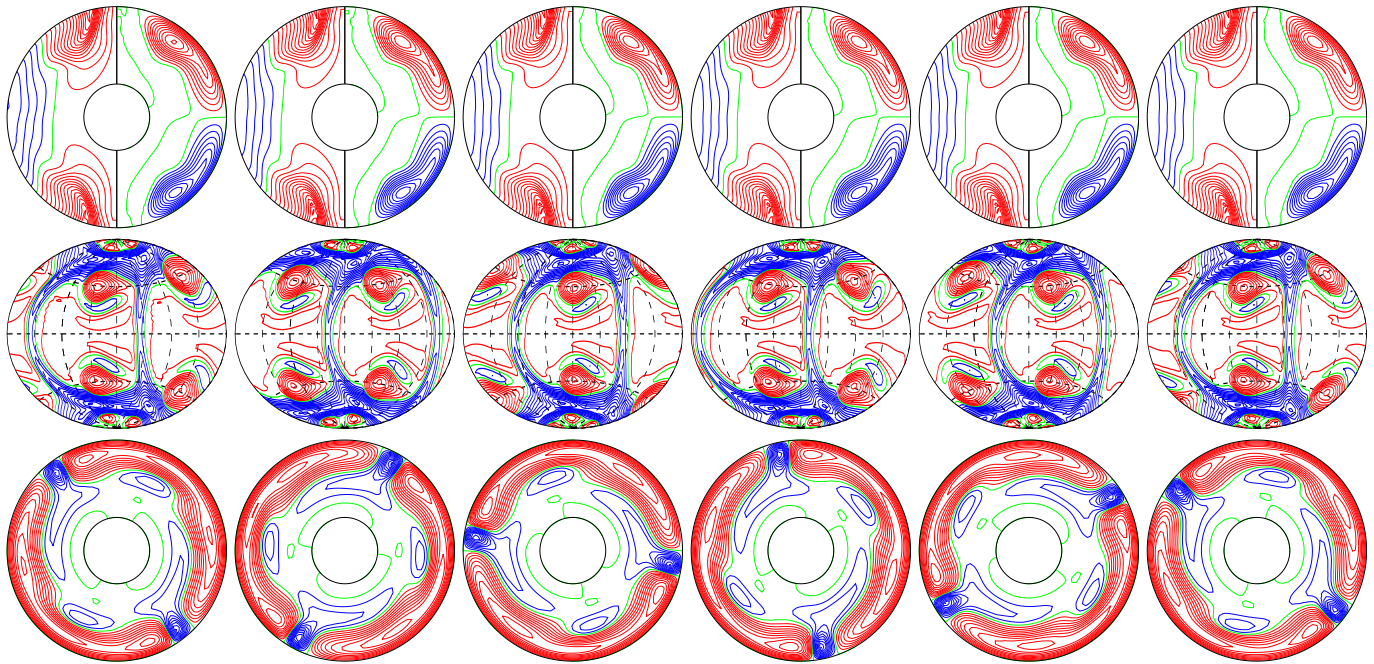
Nusselt Number



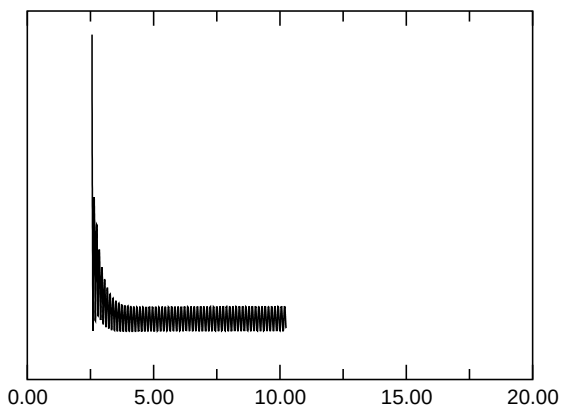
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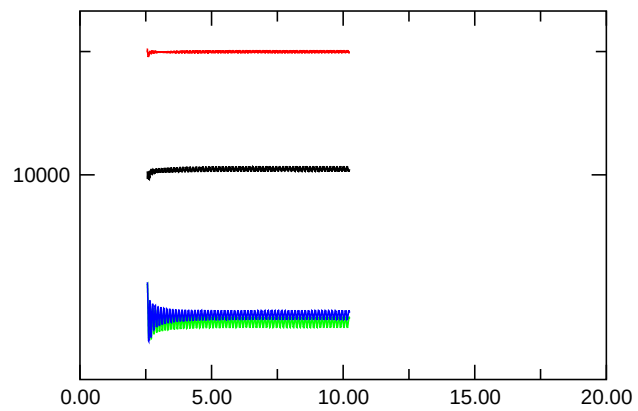
July 16, 2015



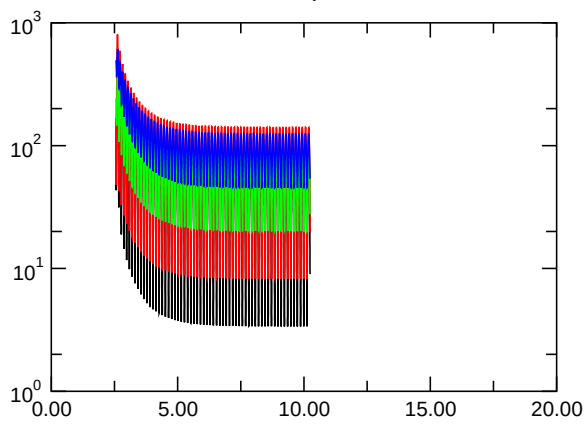
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 $E_{\text{kin}}$



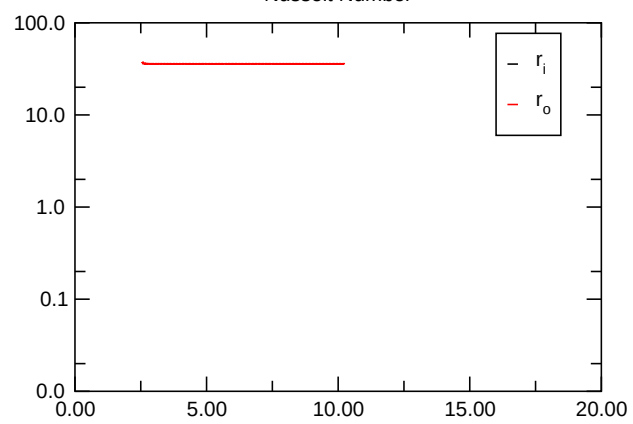
$E_{\text{kin, symm.}}$



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



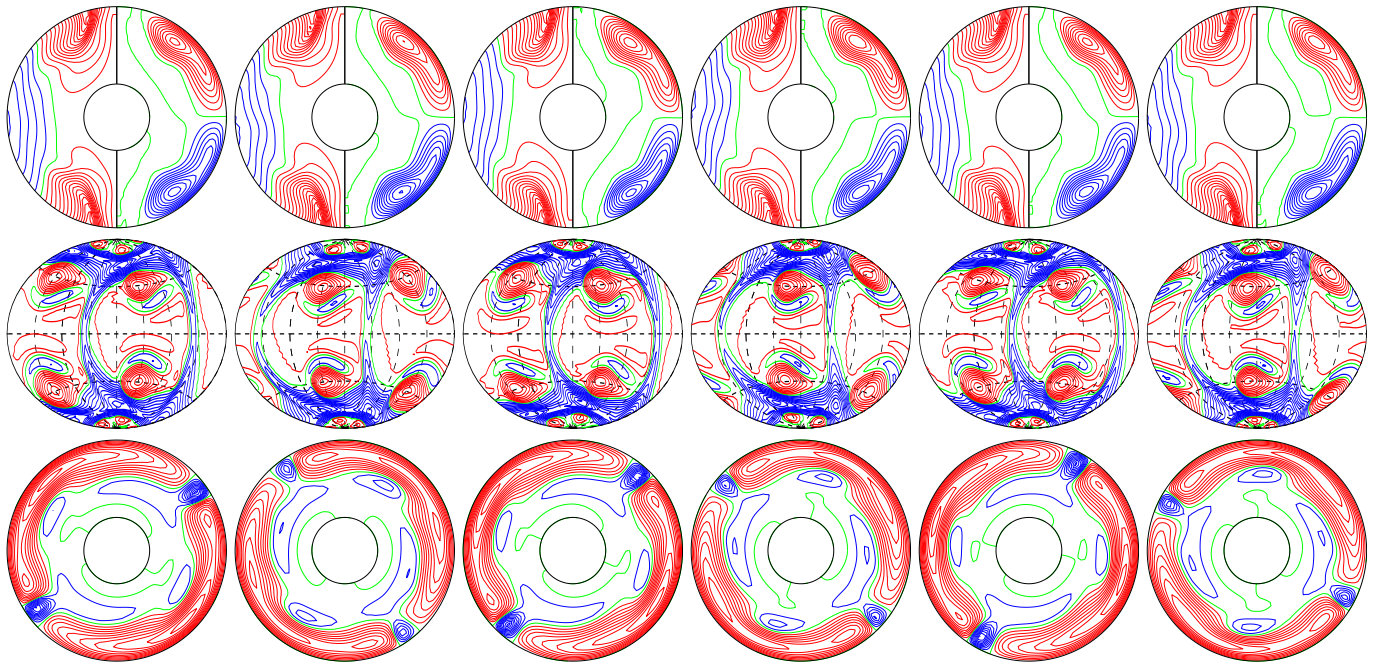
Nusselt Number



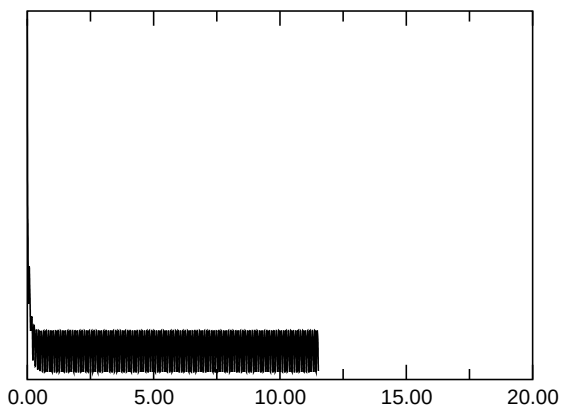
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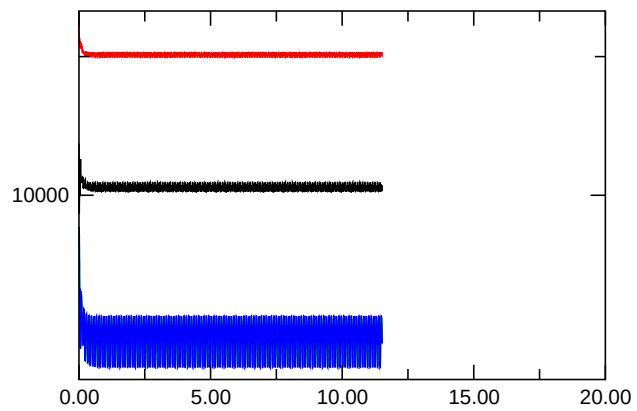
July 16, 2015



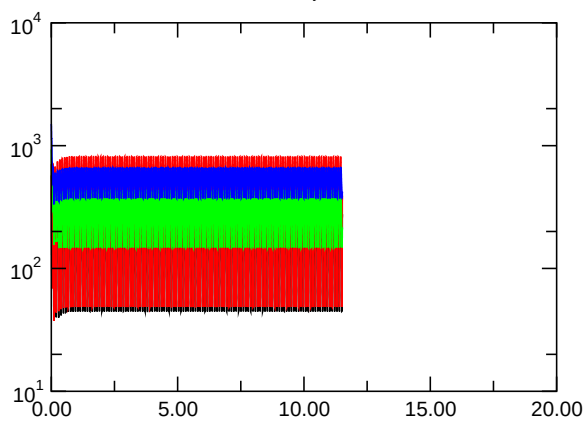
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 $E_{\text{kin}}$



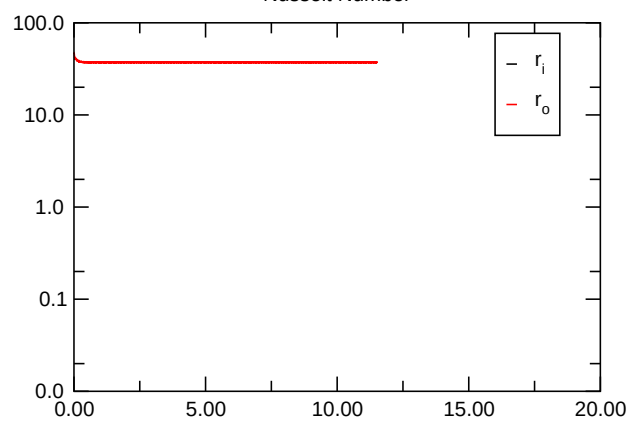
$E_{\text{kin,symm.}}$



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



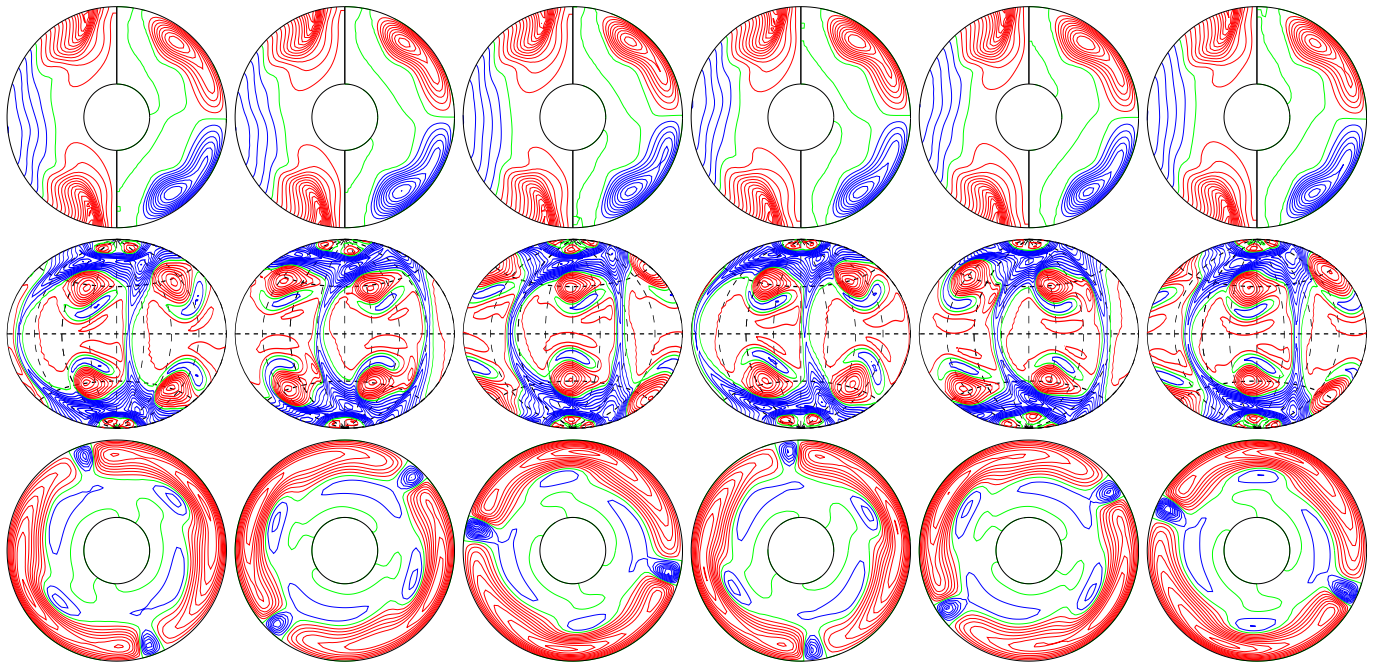
Nusselt Number



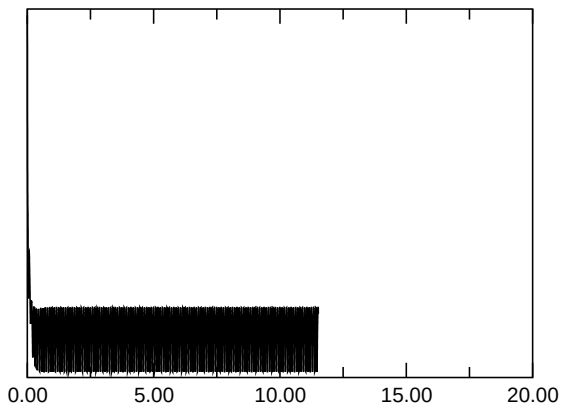


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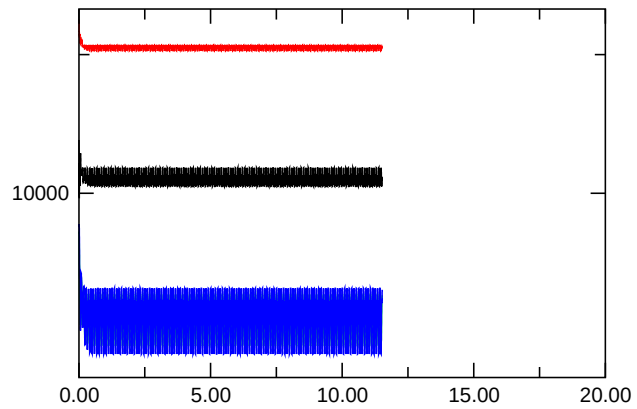
July 16, 2015



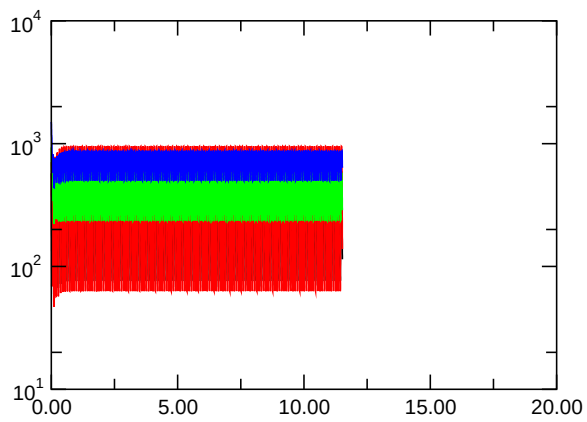
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 $E_{\text{kin}}$



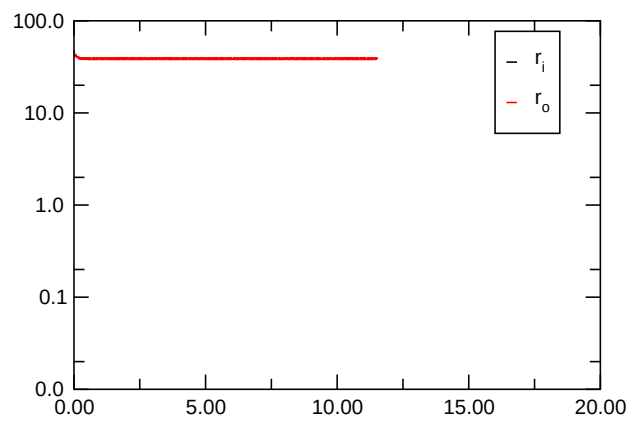
$E_{\text{kin,symm.}}$



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



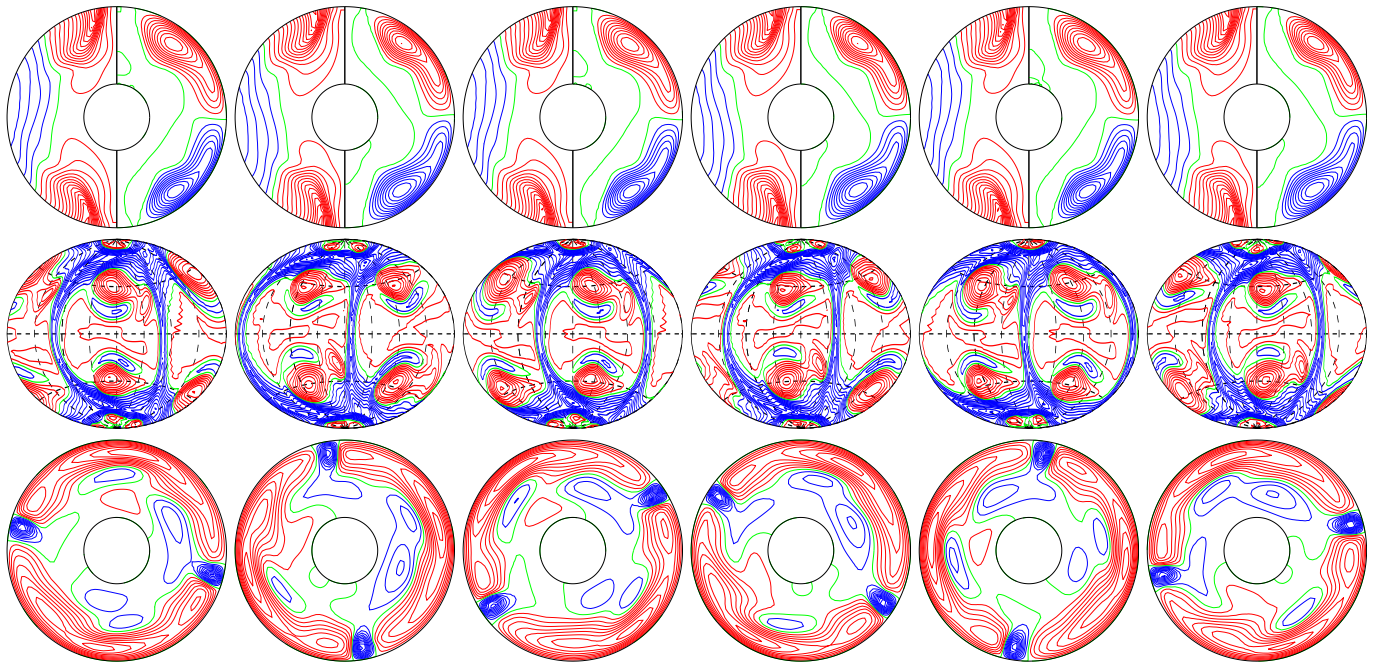
Nusselt Number



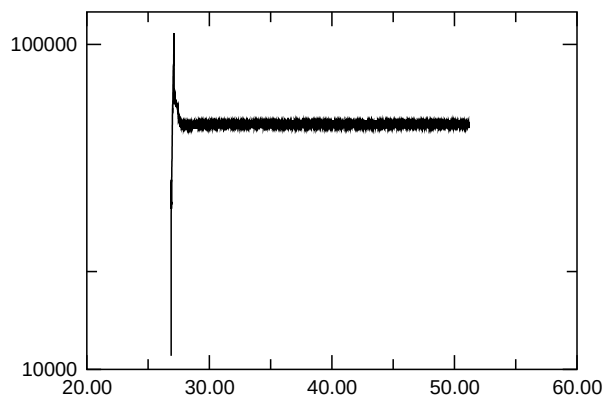
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times: 44.80001 46.08001 47.36001 48.64001 49.92001 51.20001

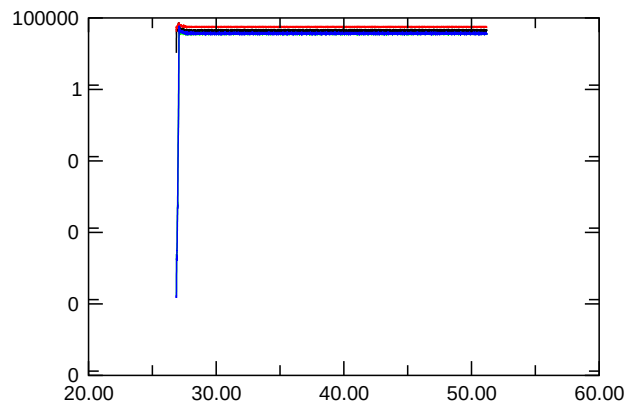
July 16, 2015



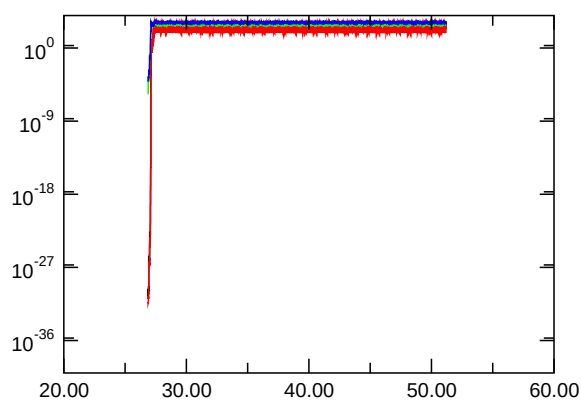
a.e03p1t03r-100000m1n2N3z2.5e5  
 $E_{\text{kin}}$



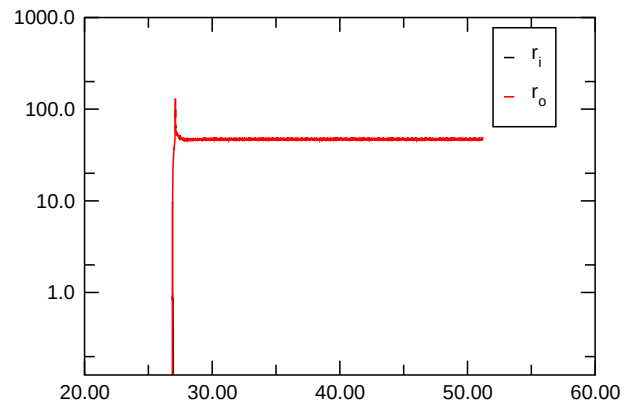
$E_{\text{kin,symm.}}$



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

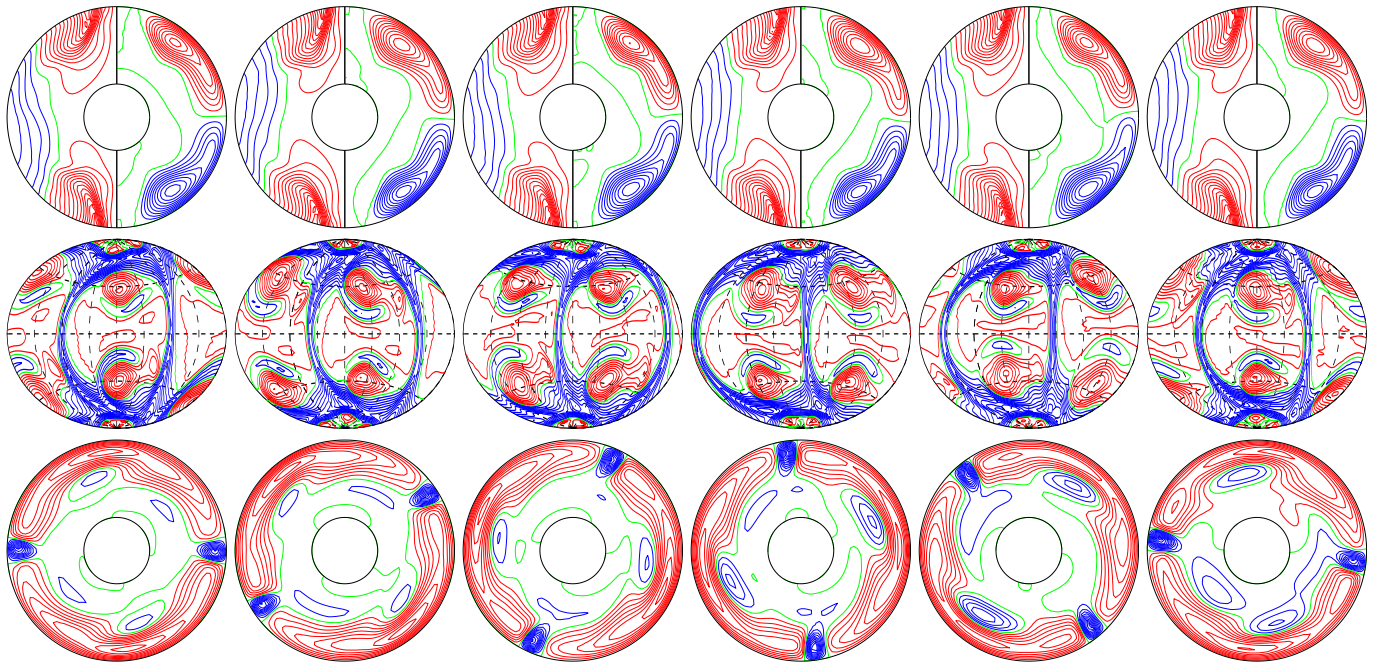


Nusselt Number

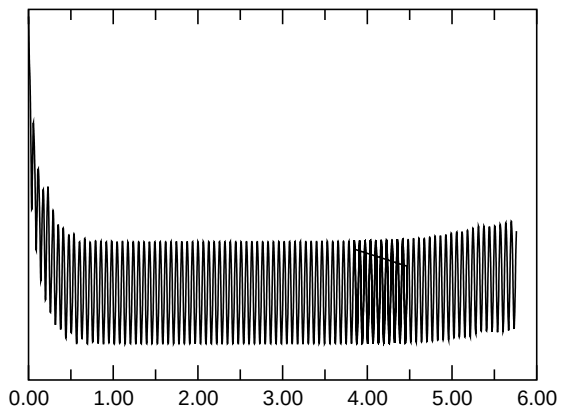


a.e03p1t03r-100000m1n2N3z2.52e5.7  
times: 0.9601006 1.920101 2.880102 3.840103 4.800104 5.760105

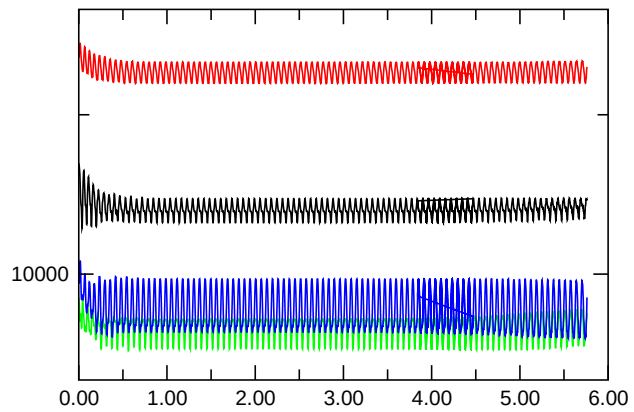
July 16, 2015



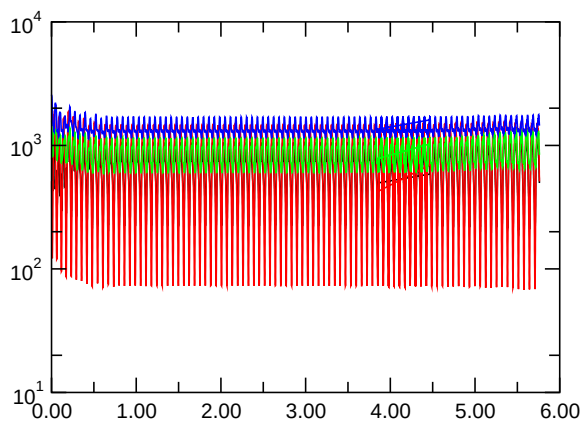
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 $E_{\text{kin}}$



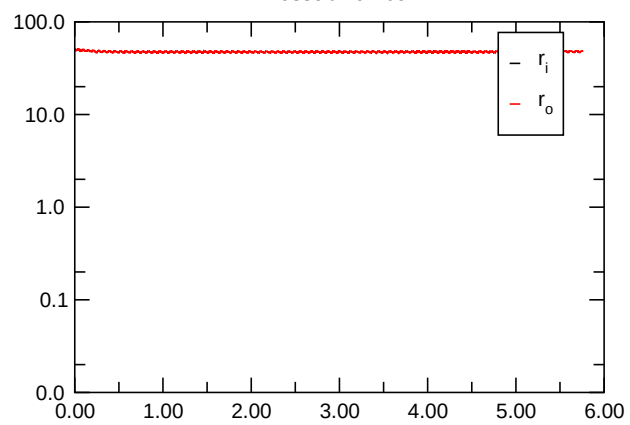
$E_{\text{kin, symm.}}$



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



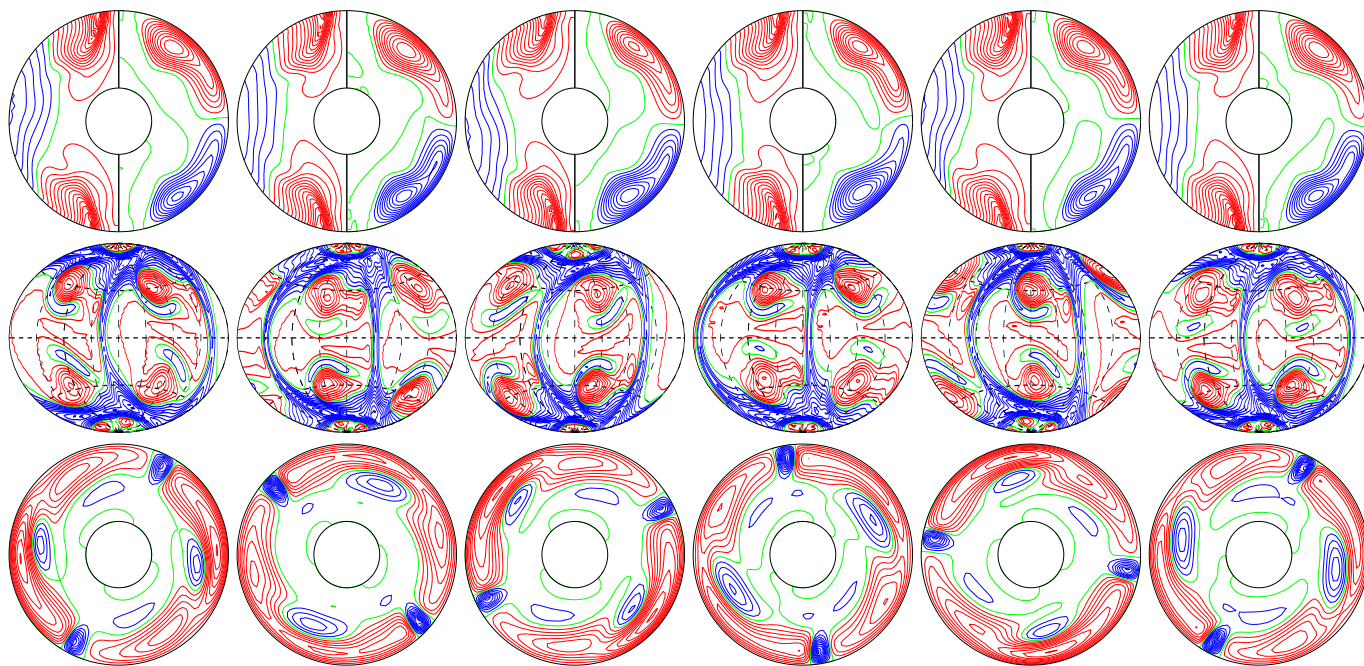
Nusselt Number



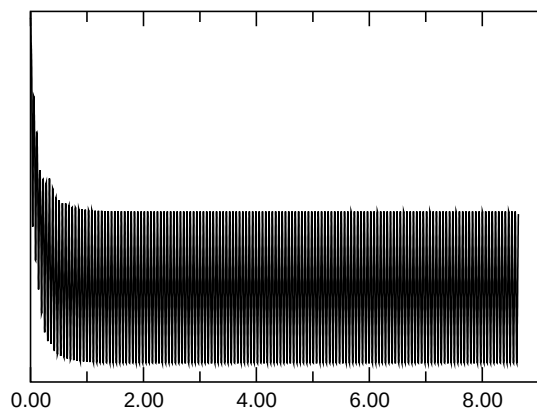


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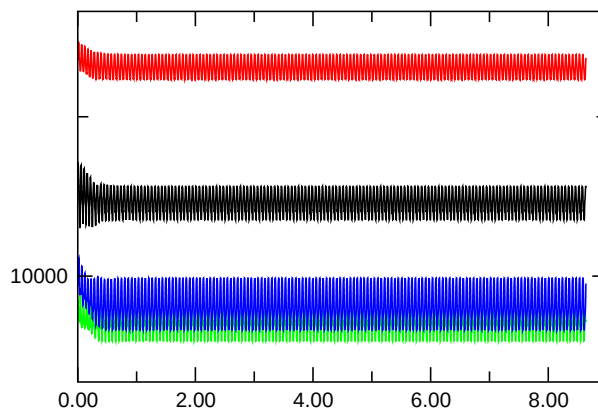
July 16, 2015



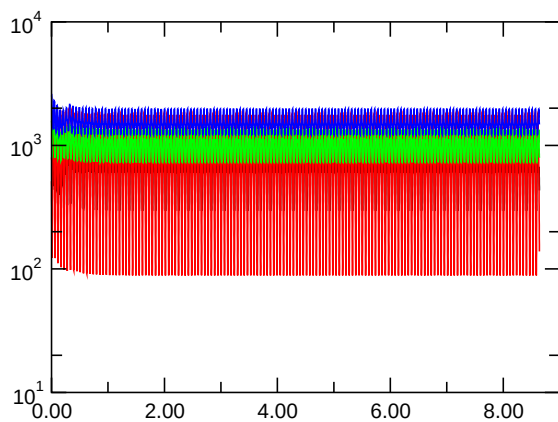
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 $E_{\text{kin}}$



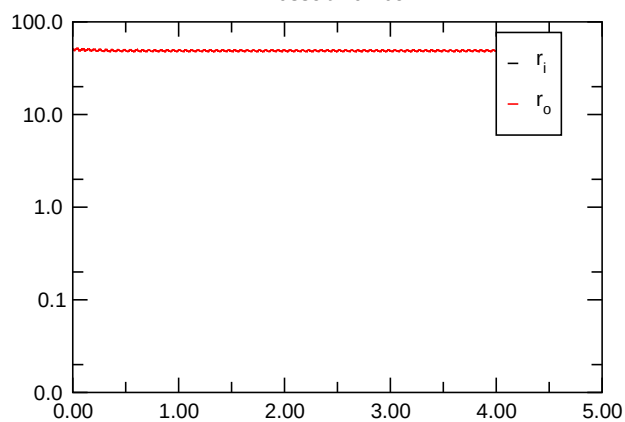
$E_{\text{kin, symm.}}$



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



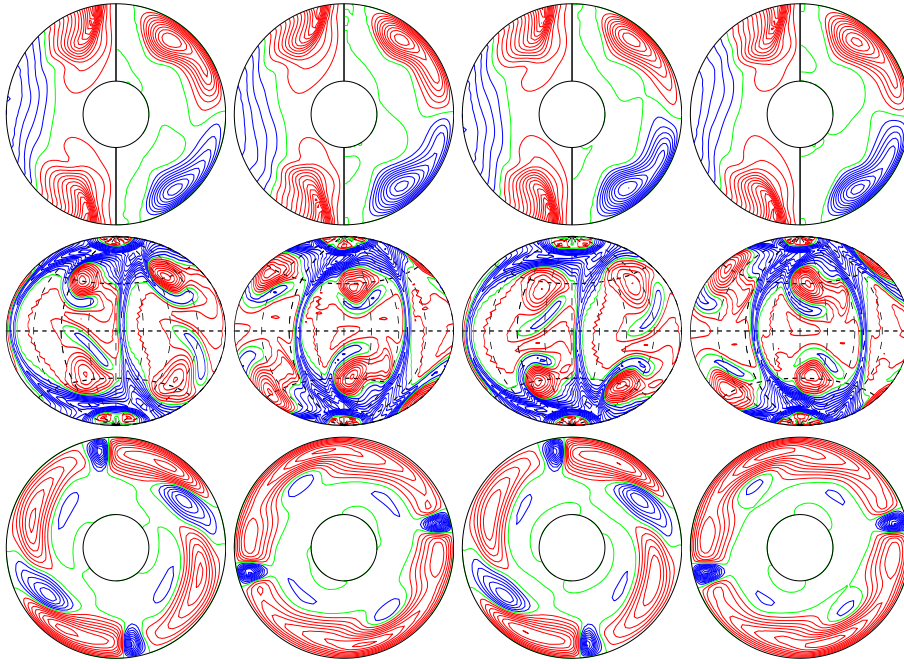
Nusselt Number



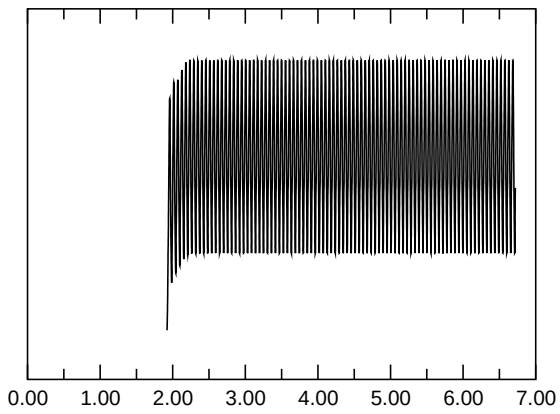


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times: 3.840103 4.800104 5.760105 6.720106

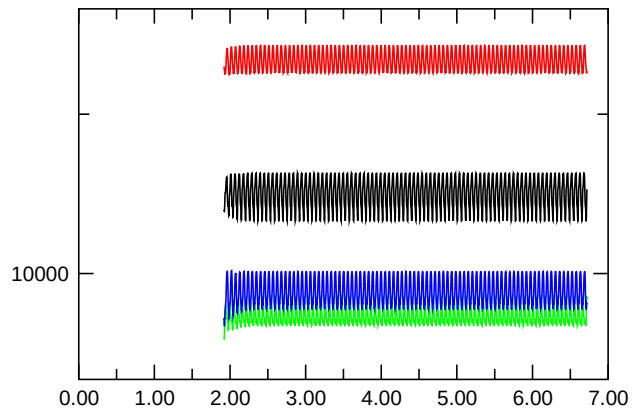
July 16, 2015



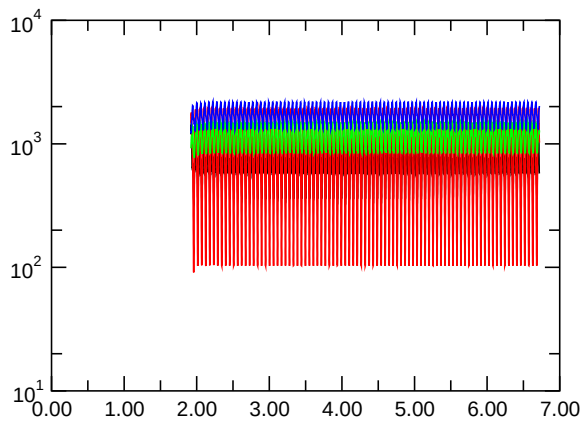
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 $E_{\text{kin}}$



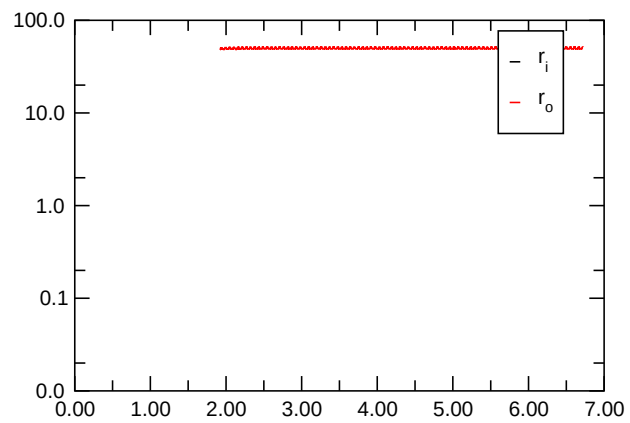
$E_{\text{kin,symm.}}$



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

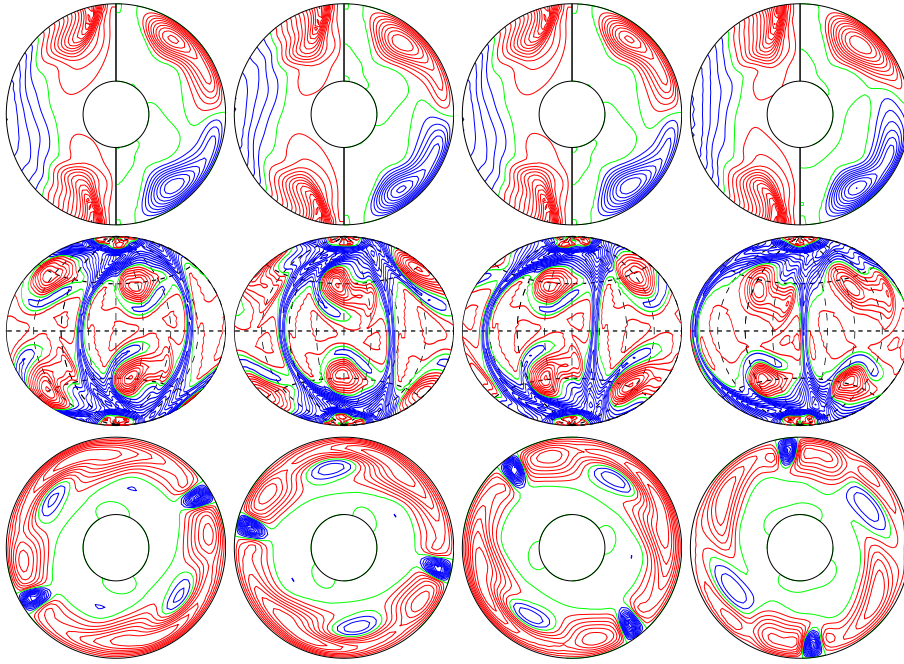


Nusselt Number

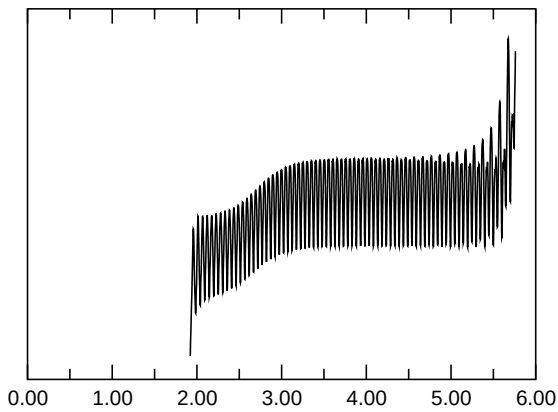


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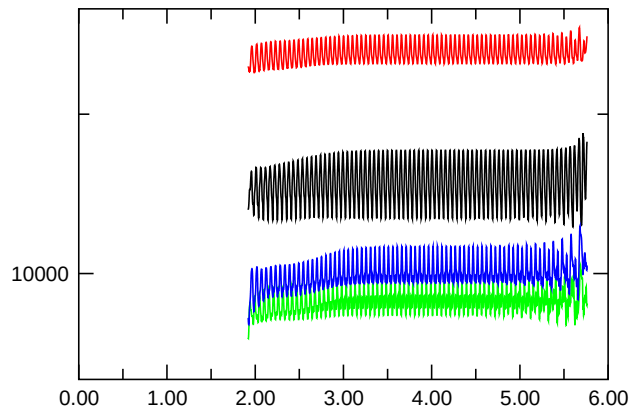
July 16, 2015



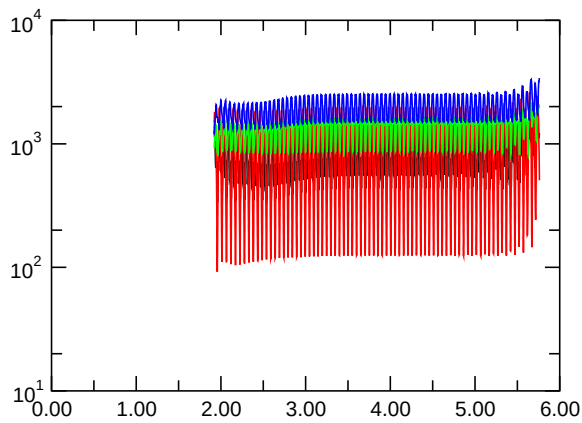
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 $E_{\text{kin}}$



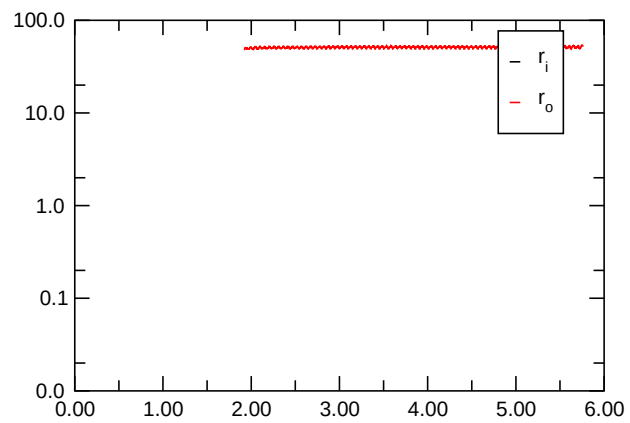
$E_{\text{kin, symm.}}$



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

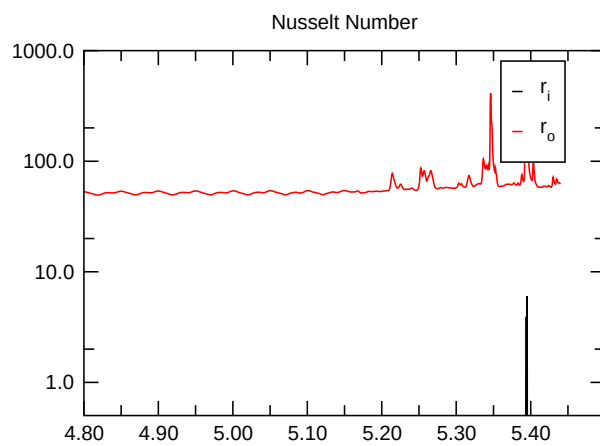
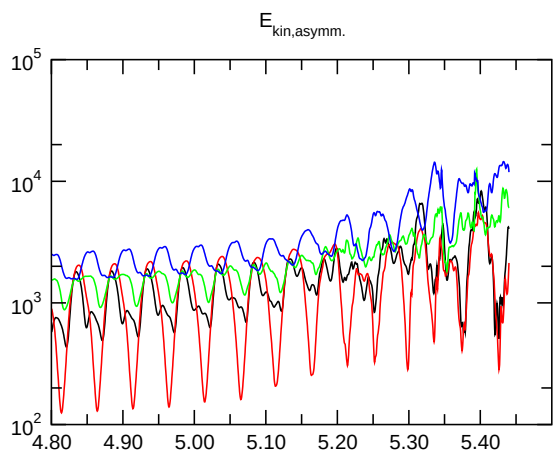
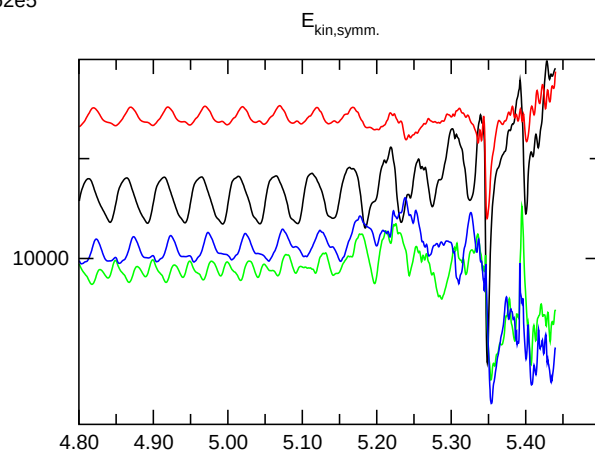
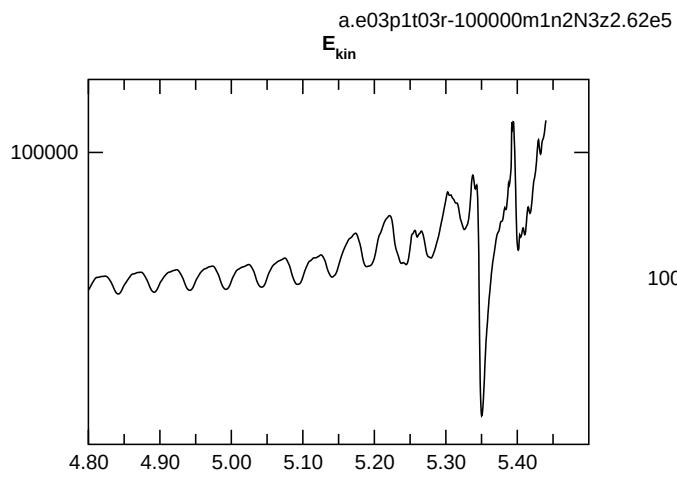
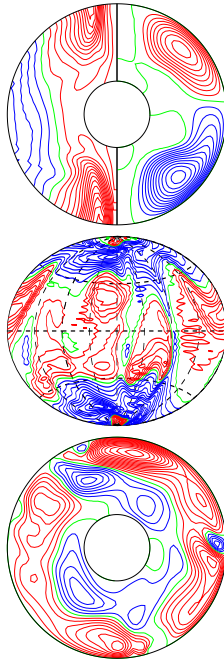


Nusselt Number



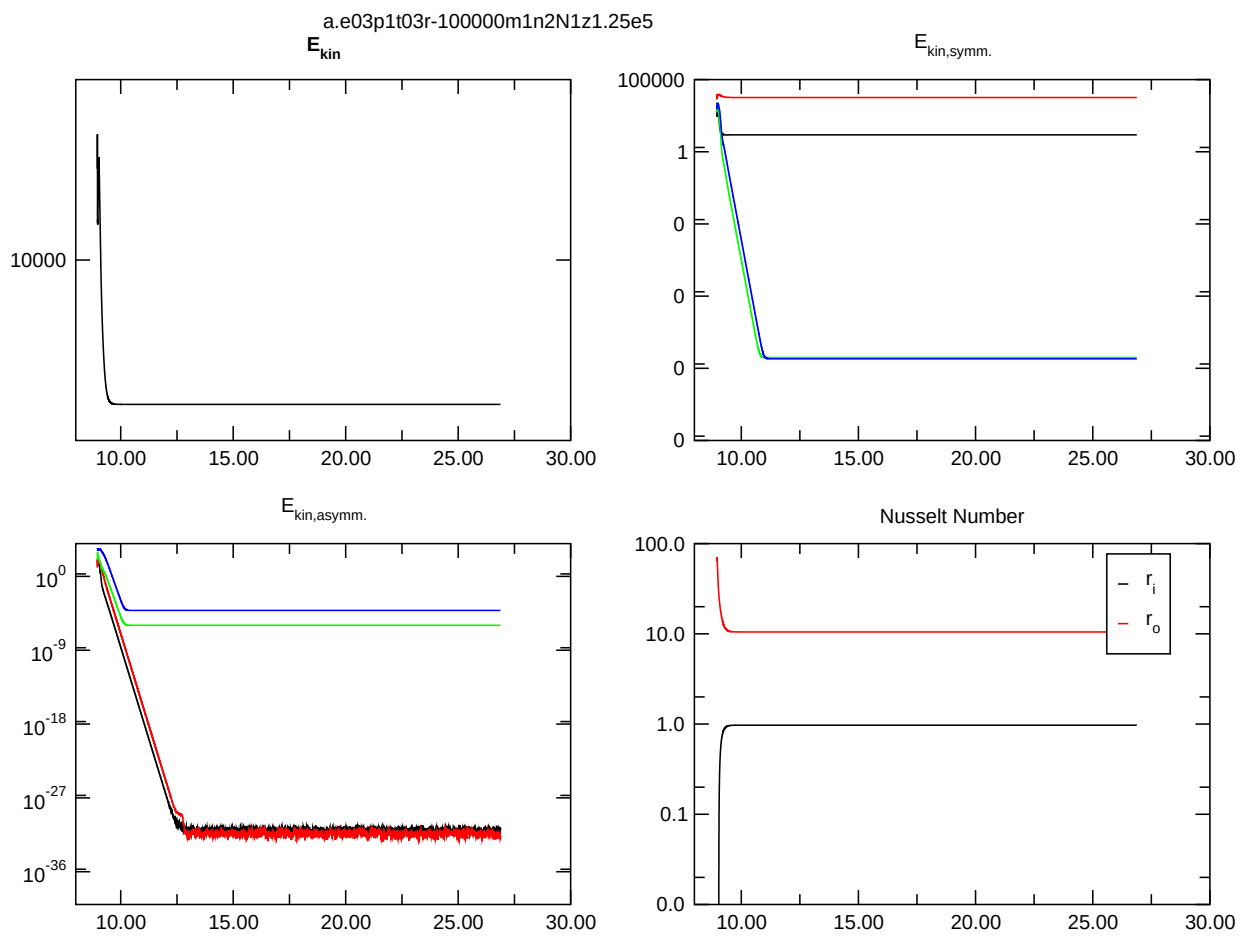
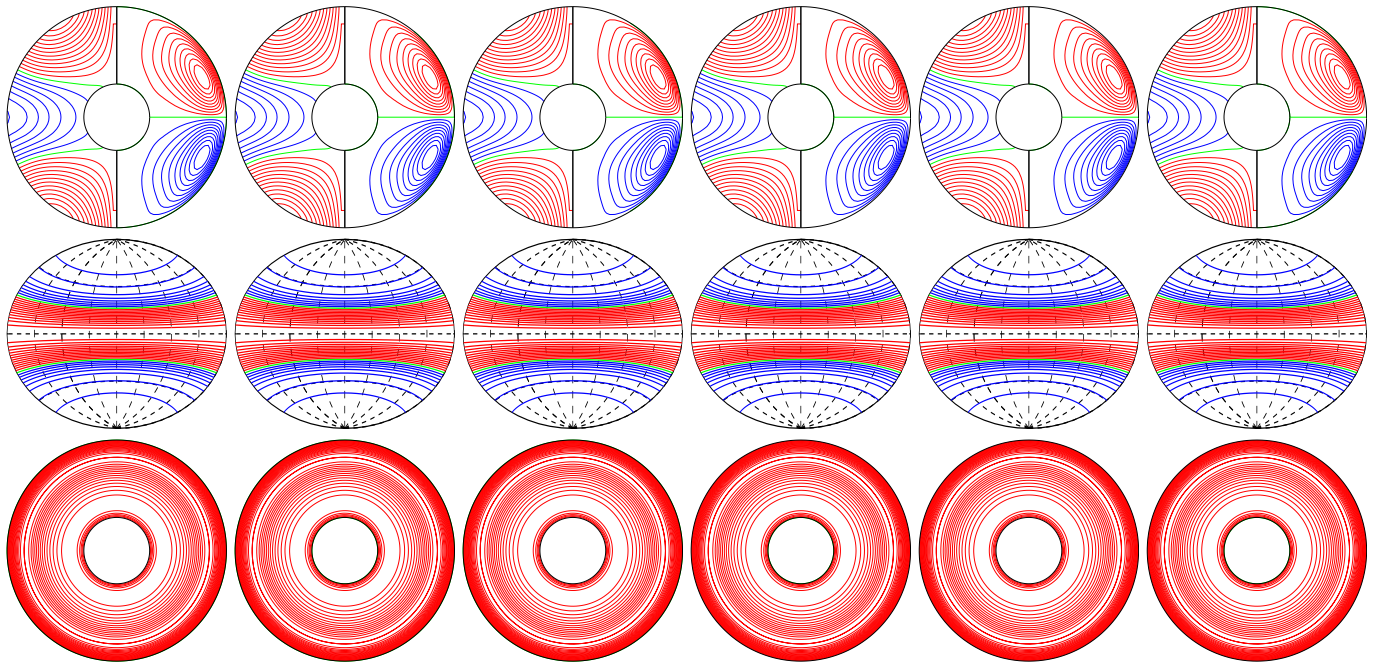
a.e03p1t03r-100000m1n2N3z2.62e5.2  
times: 5.440104

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a.e03p1t03r-100000m1n2N1z1.25e5.15  
times: 20.48001 21.76001 23.04001 24.32001 25.60001 26.88001

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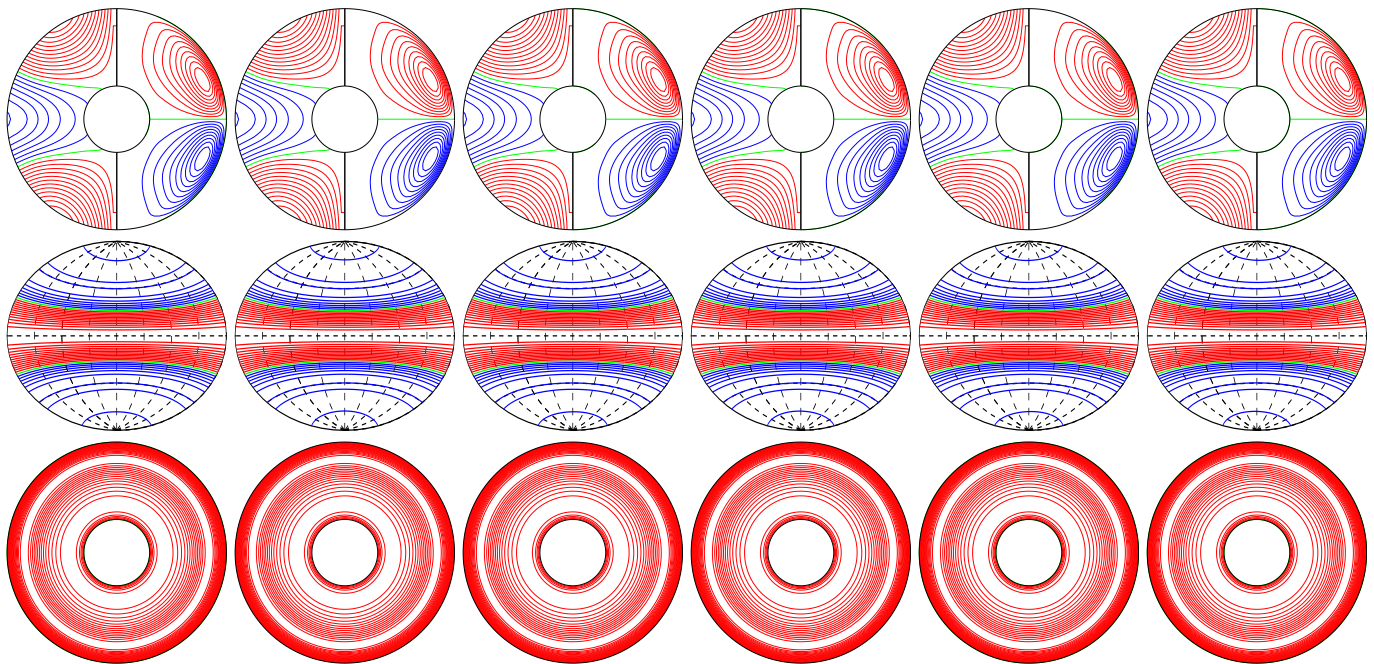




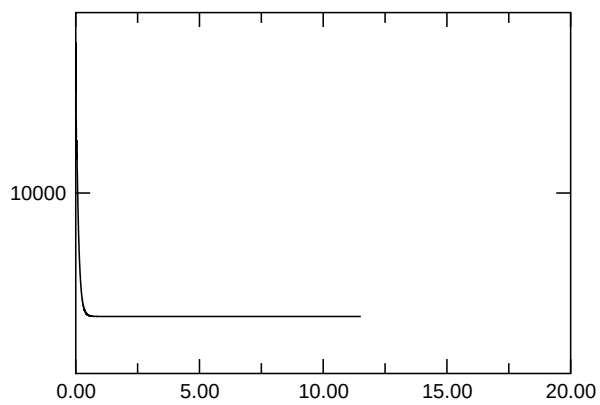
a.e03p1t03r-100000m1n2N1z1.3e5.10

times: 5.120004 6.400005 7.680006 8.960007 10.24001 11.52001

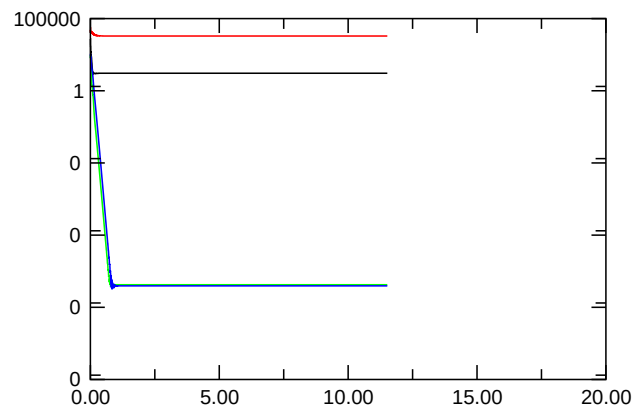
July 16, 2015



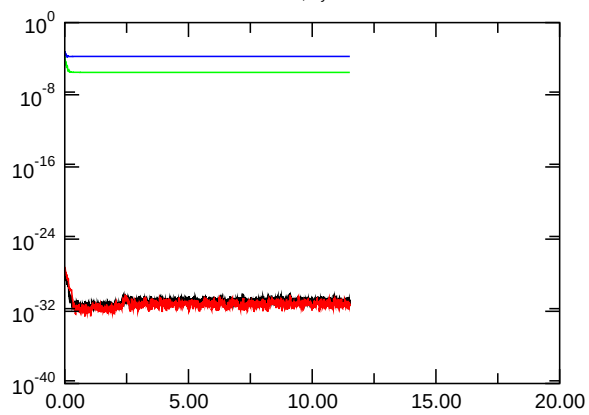
a.e03p1t03r-100000m1n2N1z1.3e5  
 $E_{\text{kin}}$



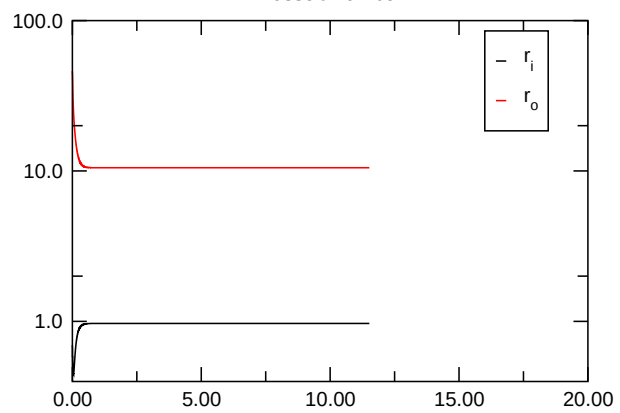
$E_{\text{kin, symm.}}$



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



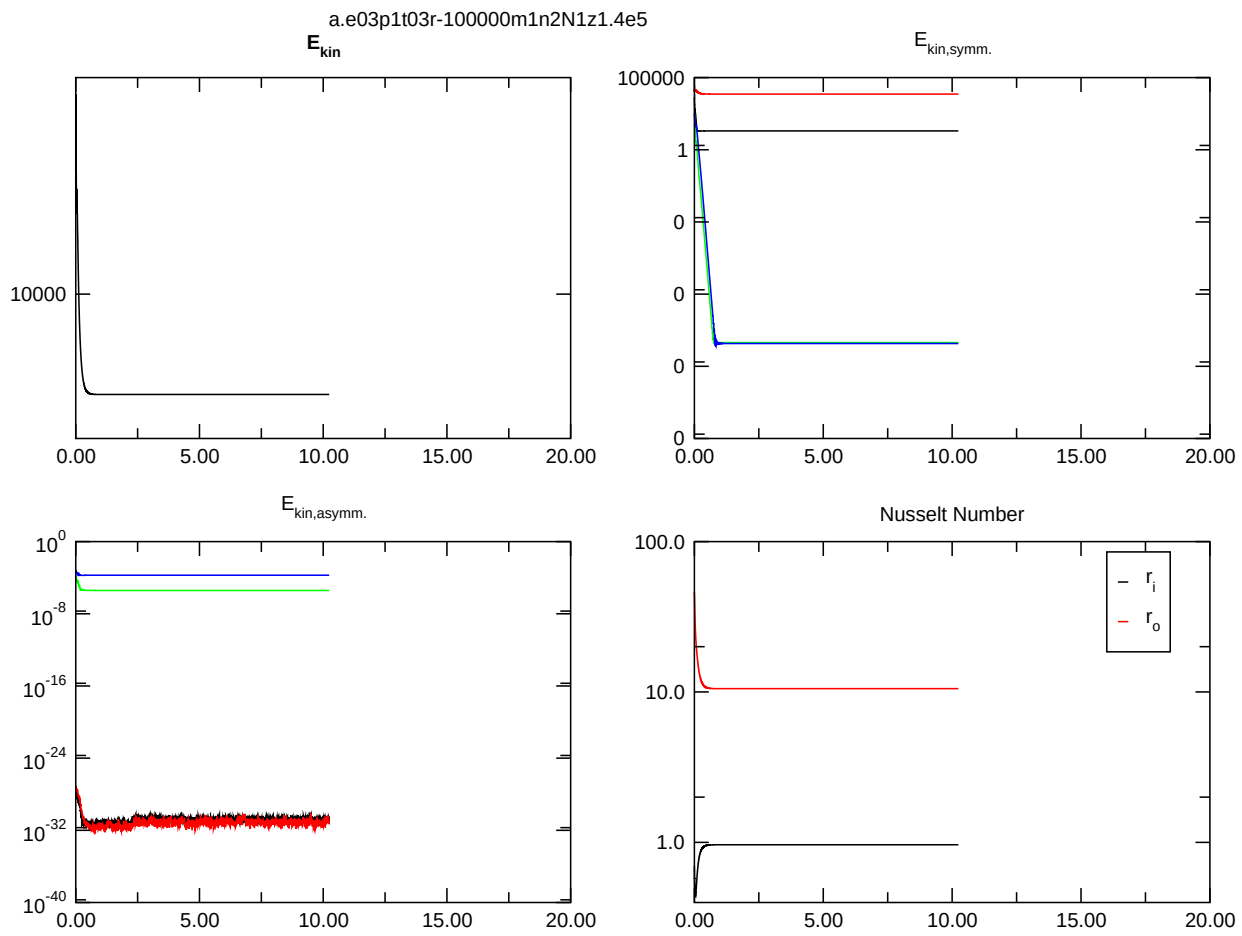
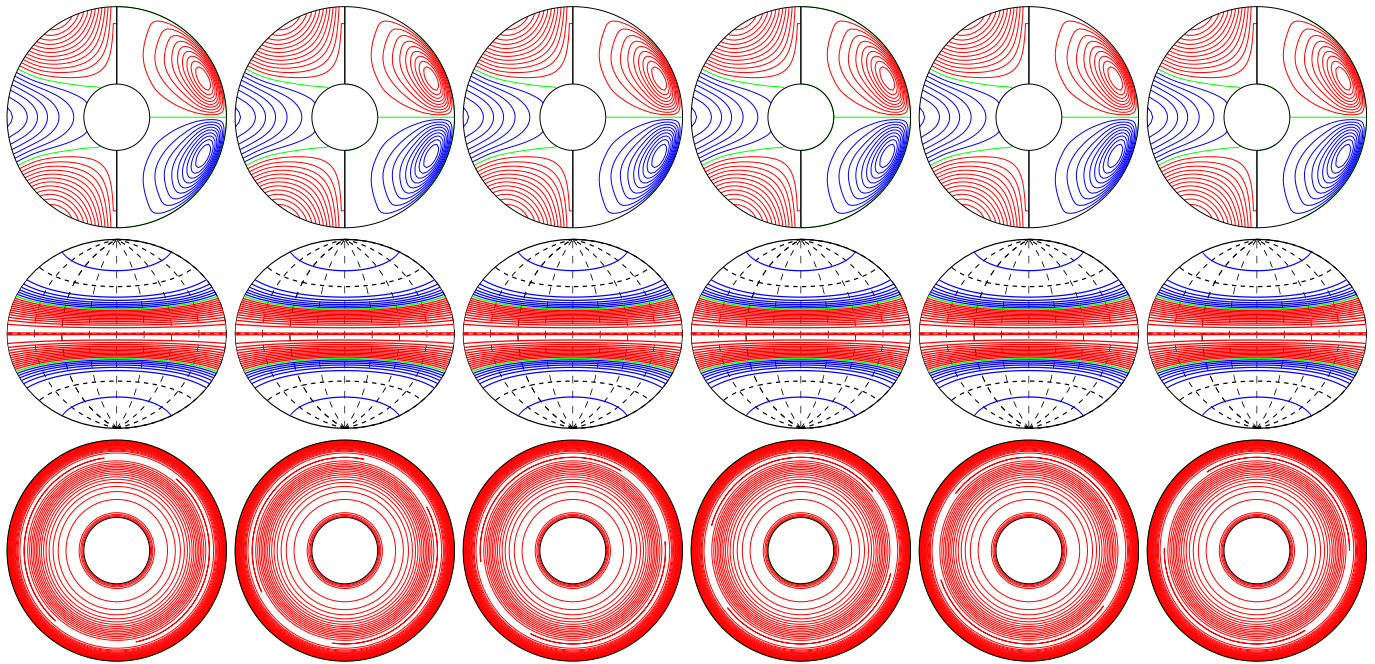
Nusselt Number



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times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

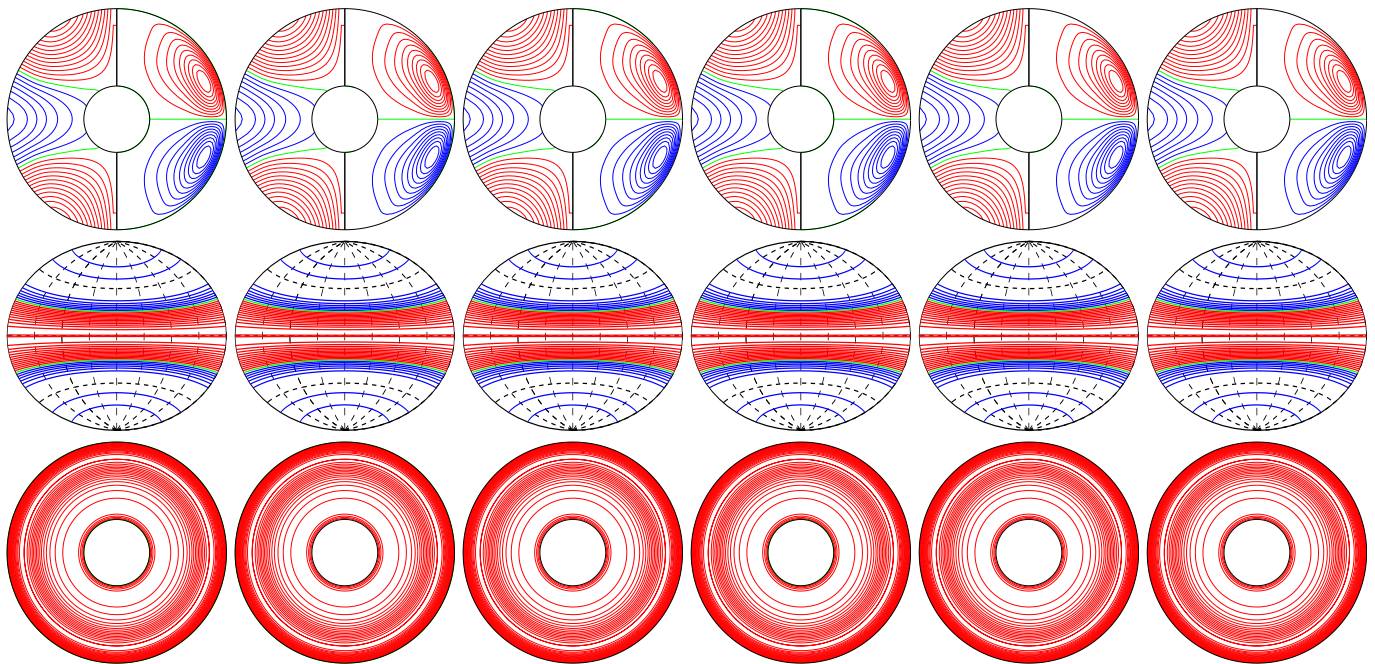
July 16, 2015



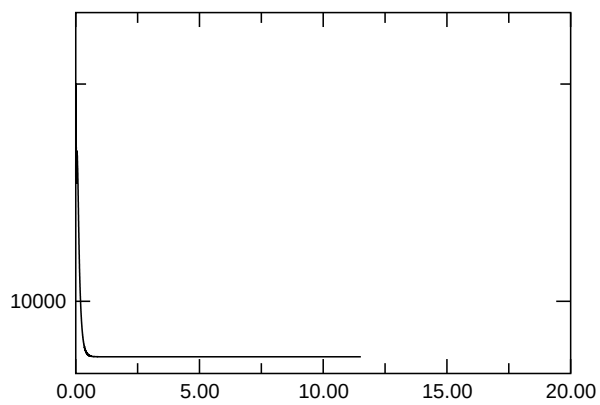
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times: 5.120004 6.400005 7.680006 8.960007 10.24001 11.52001

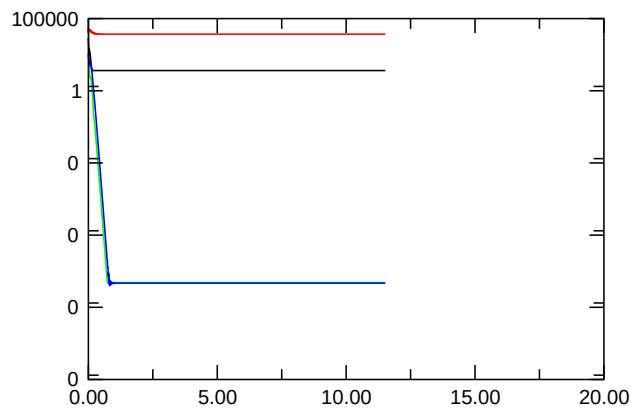
July 16, 2015



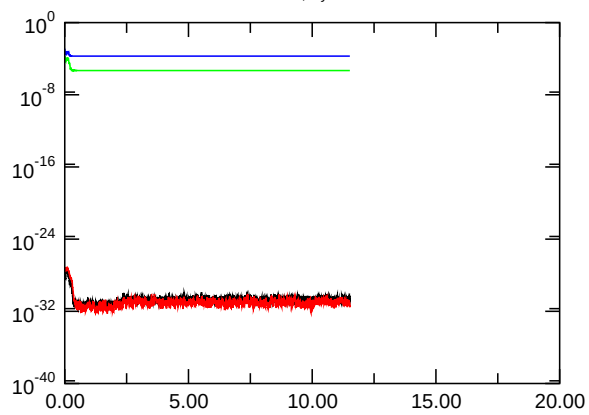
a.e03p1t03r-100000m1n2N1z1.5e5  
 $E_{\text{kin}}$



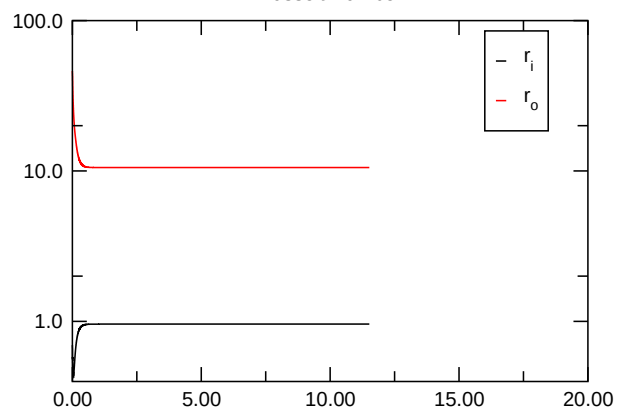
$E_{\text{kin, symm.}}$



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



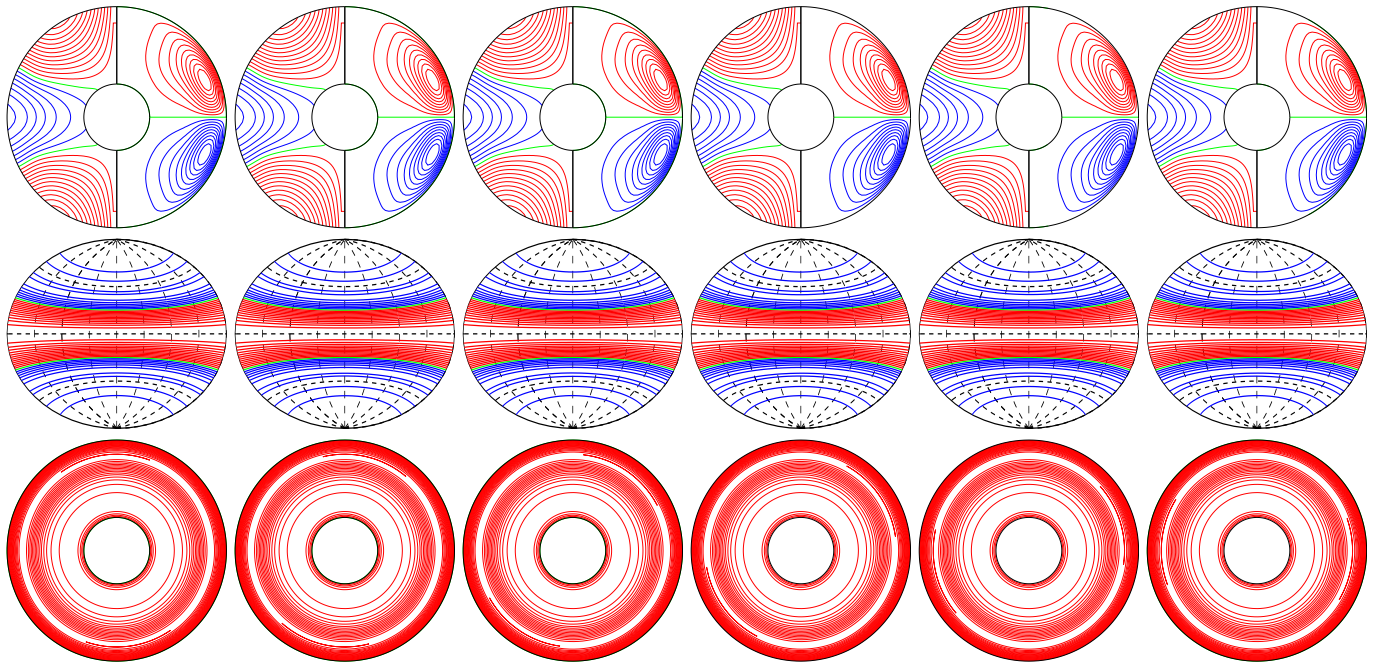
Nusselt Number



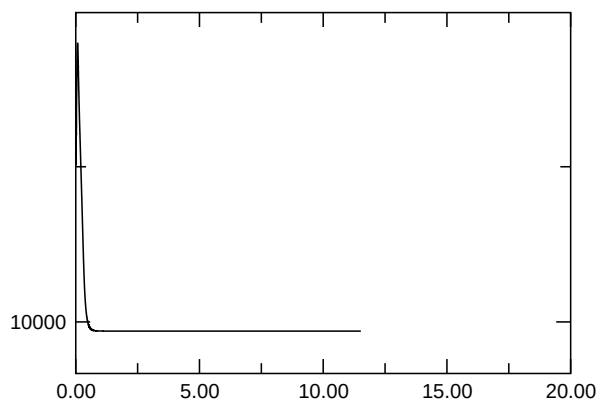
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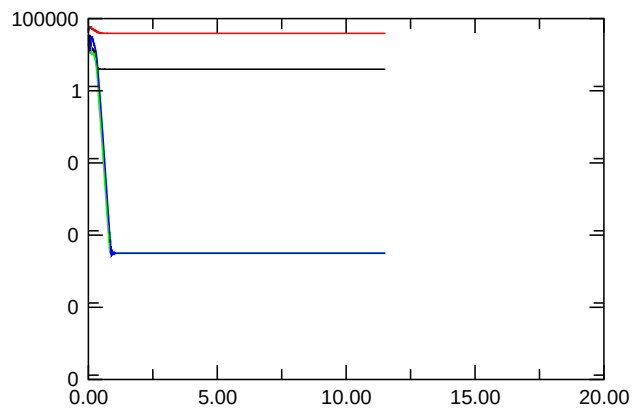
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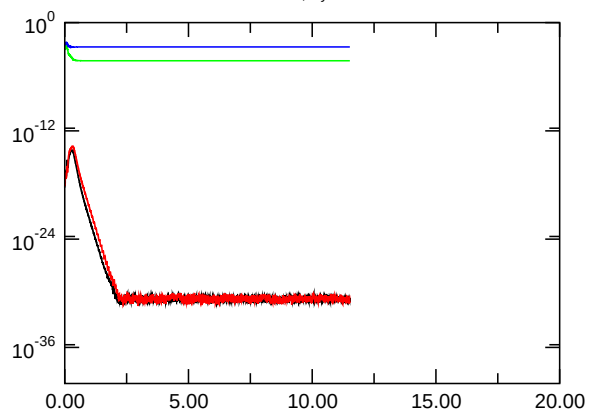
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 $E_{\text{kin}}$



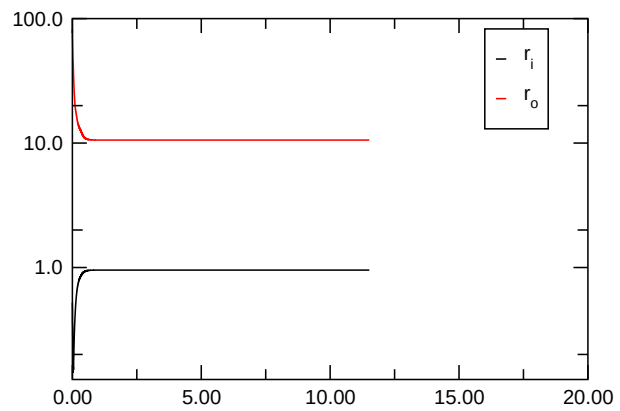
$E_{\text{kin, symm.}}$



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



Nusselt Number

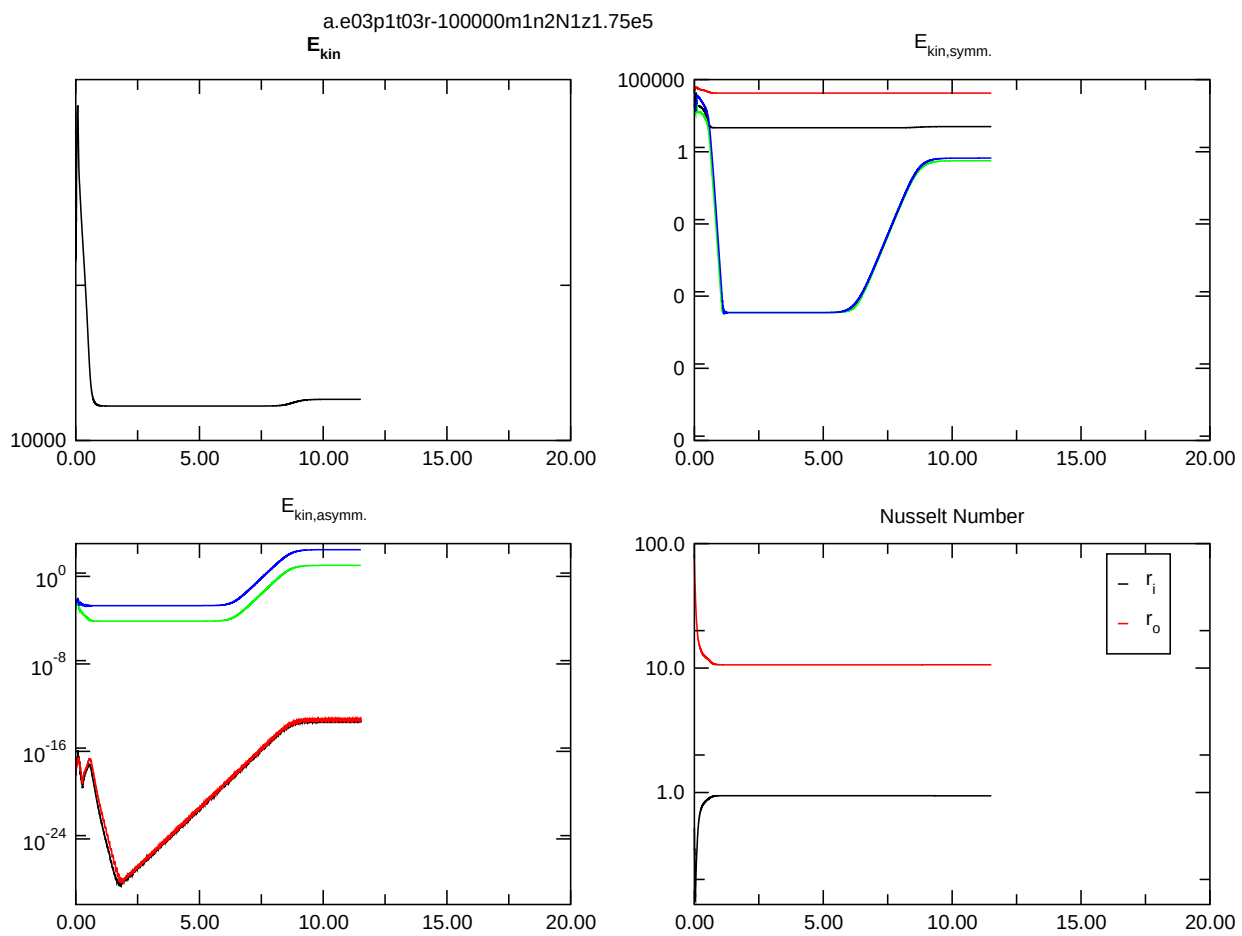
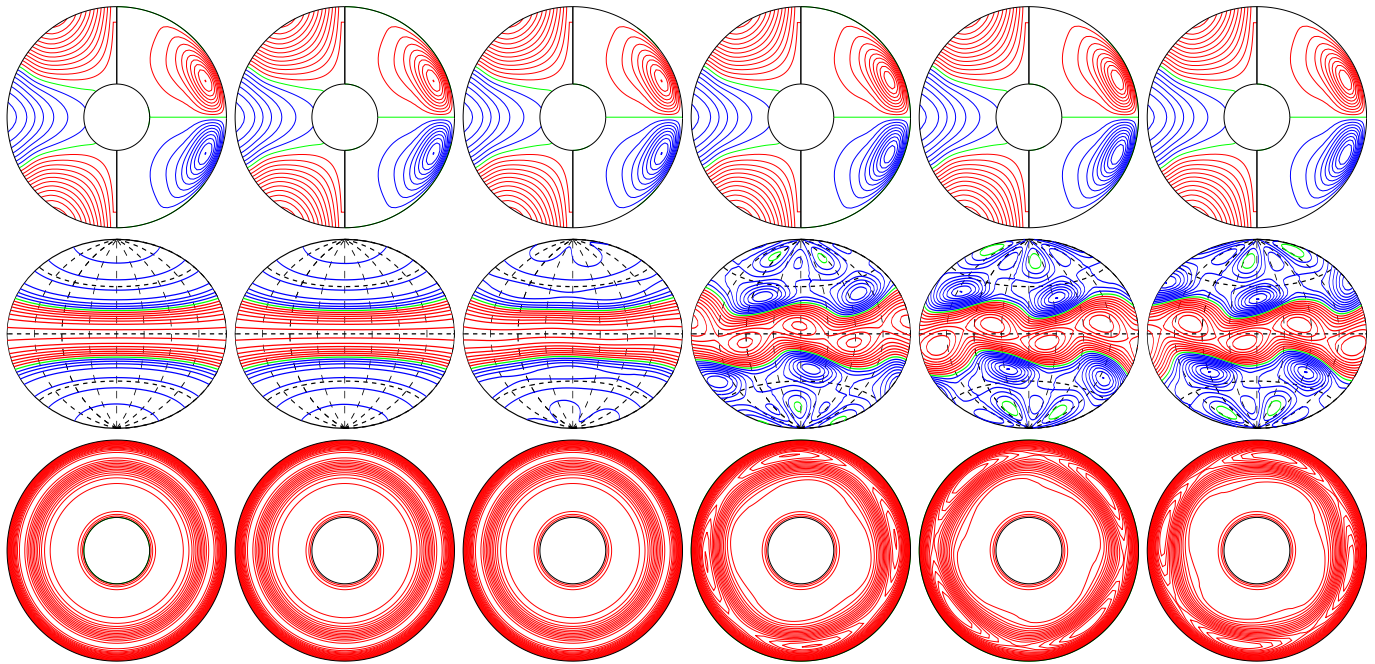




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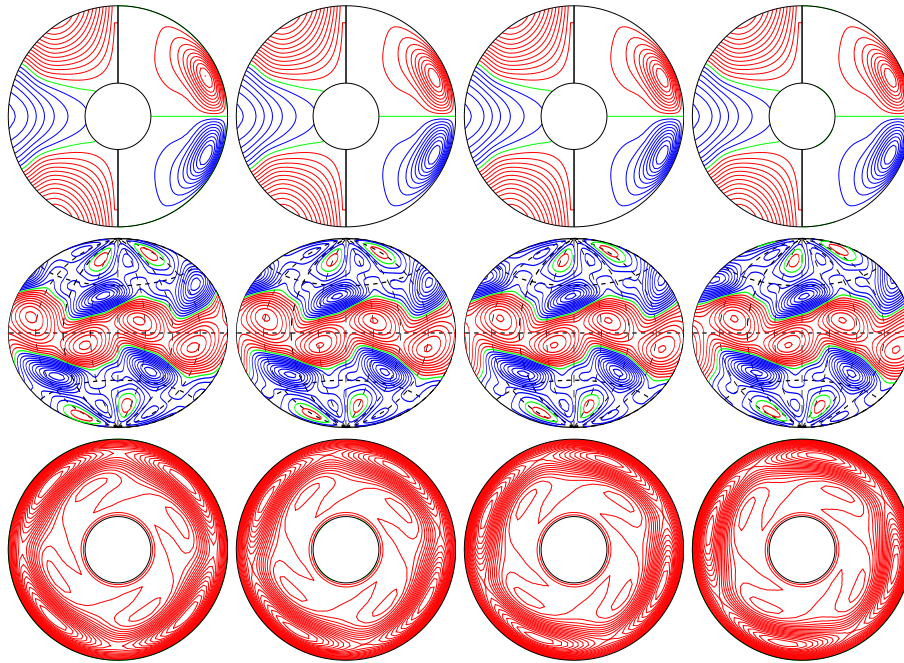
times: 5.120004 6.400005 7.680006 8.960007 10.24001 11.52001

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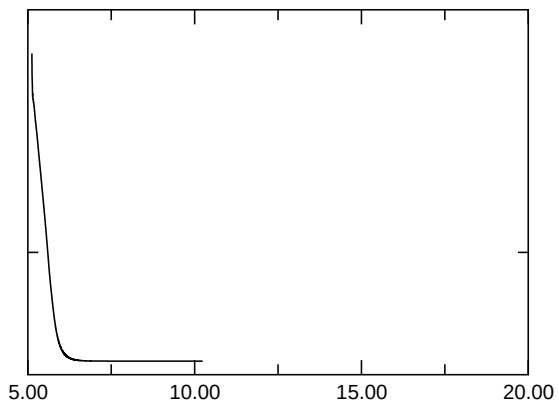


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times: 6.400005 7.680006 8.960007 10.24001

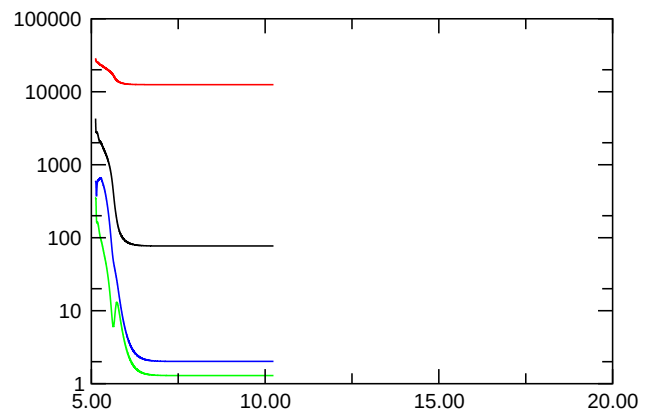
July 16, 2015



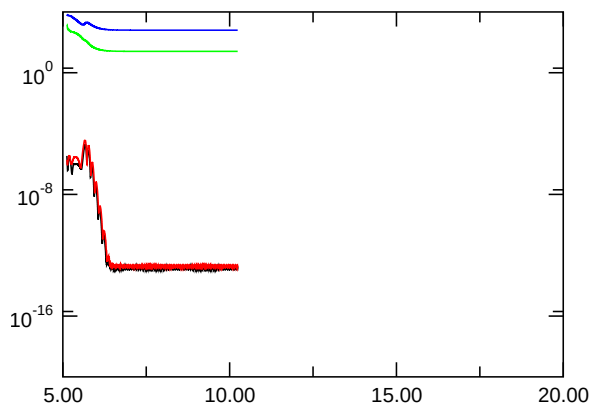
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 $E_{\text{kin}}$



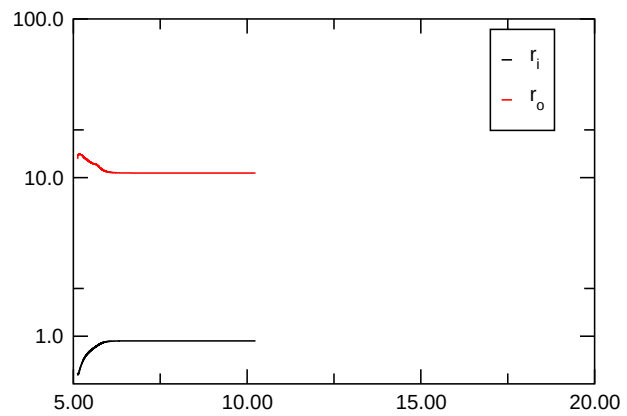
$E_{\text{kin, symm.}}$



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



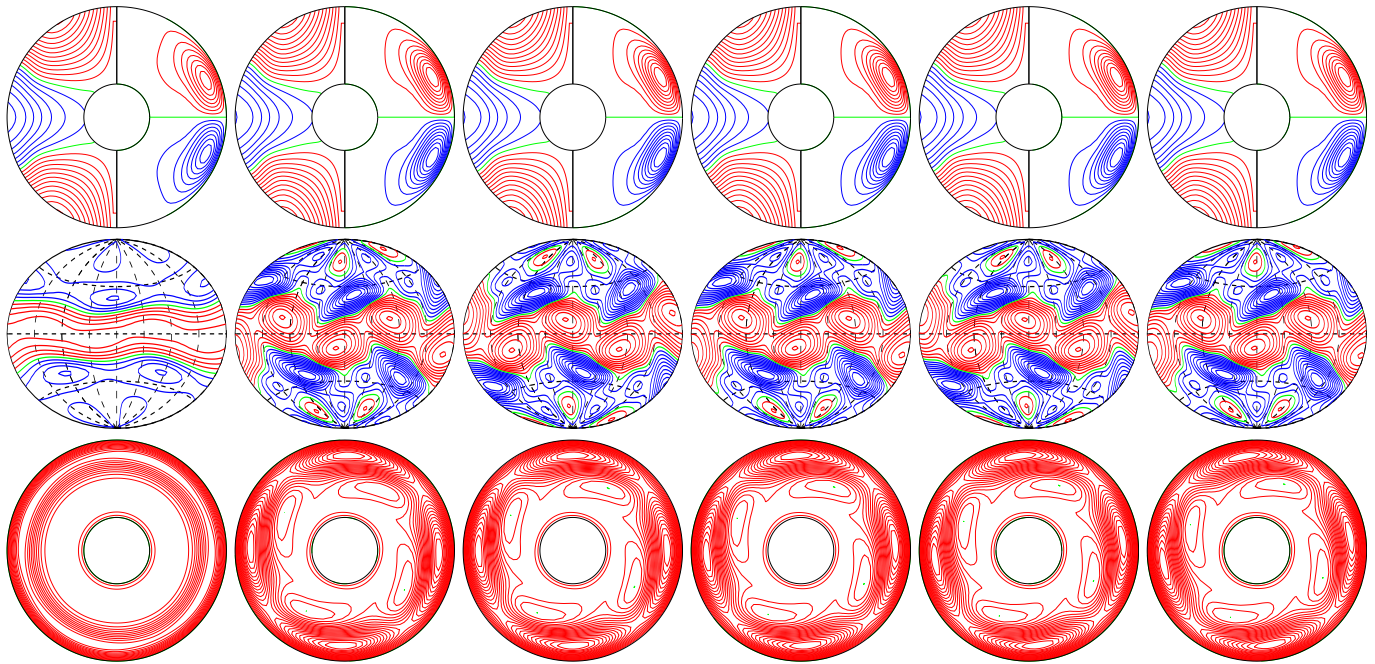
Nusselt Number



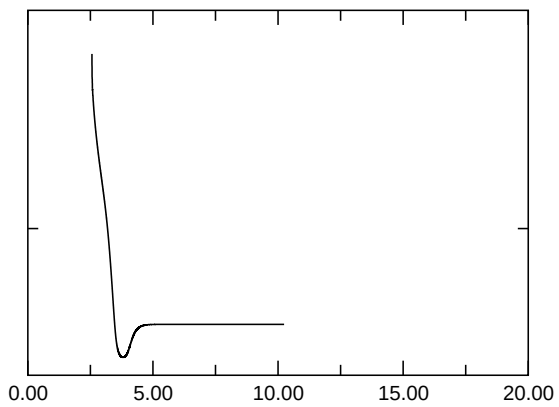
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times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

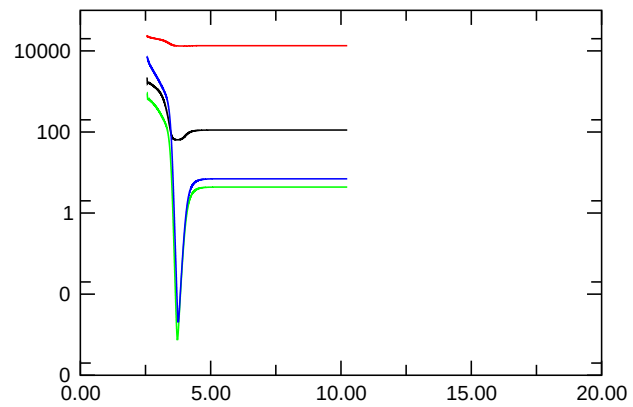
July 16, 2015



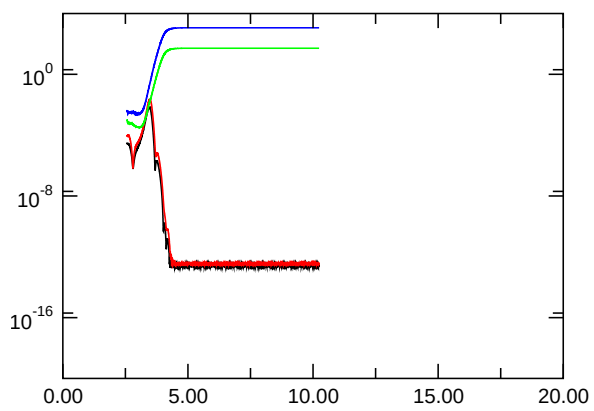
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 $E_{\text{kin}}$



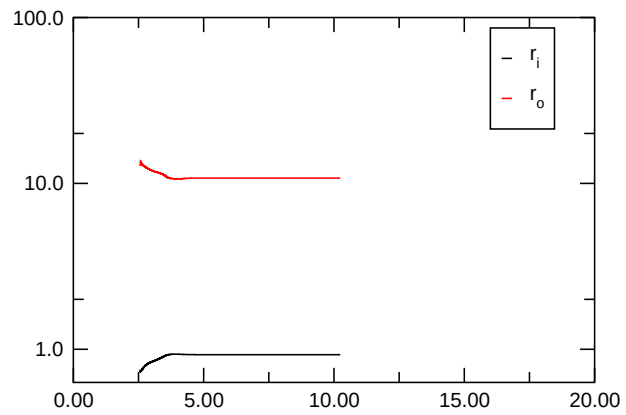
$E_{\text{kin,symm.}}$



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



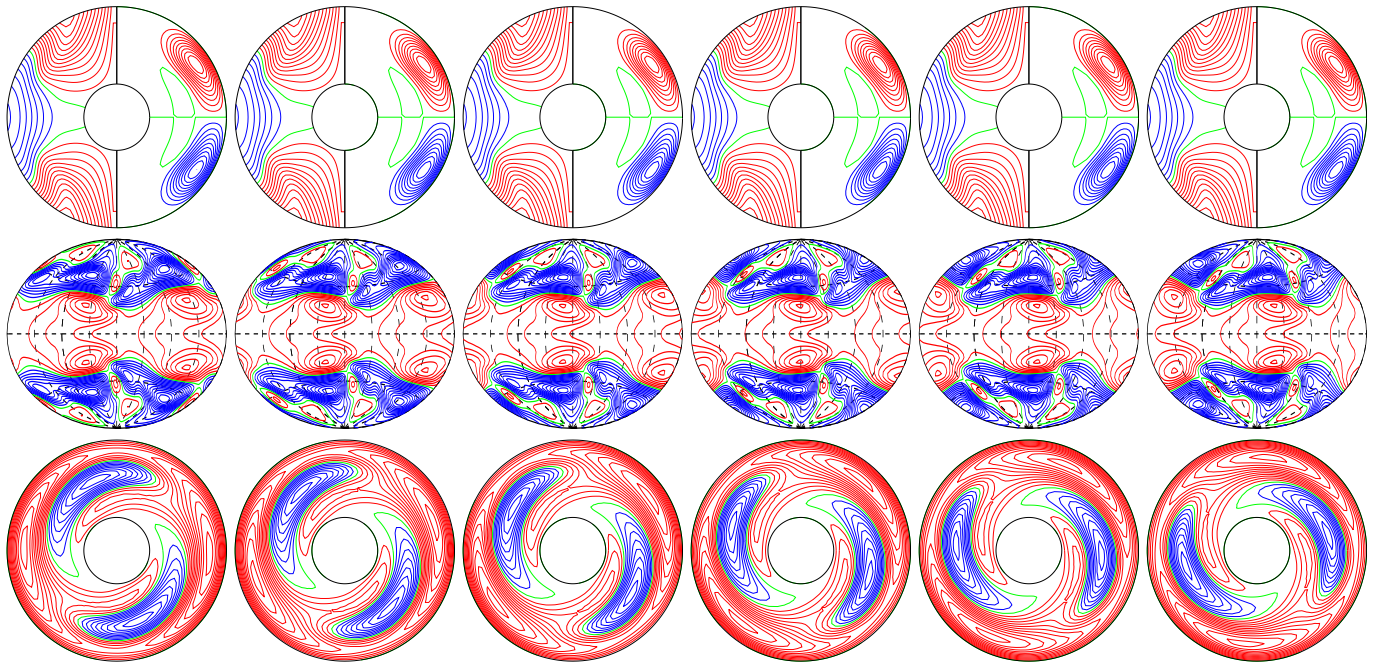
Nusselt Number



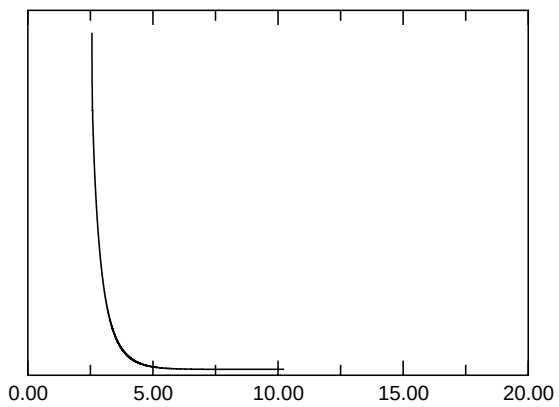
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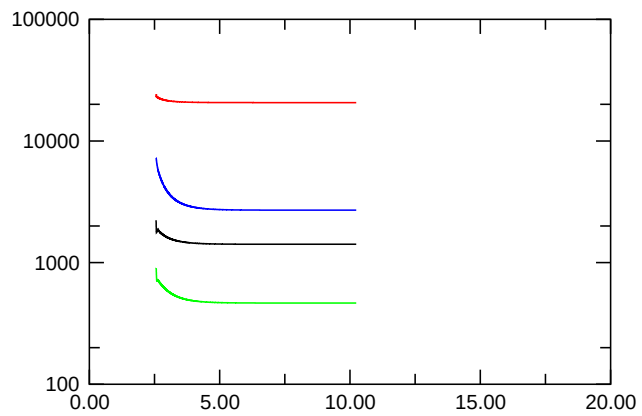
July 16, 2015



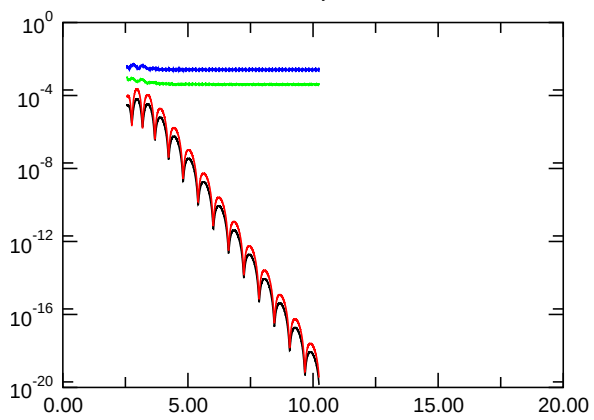
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 $E_{\text{kin}}$



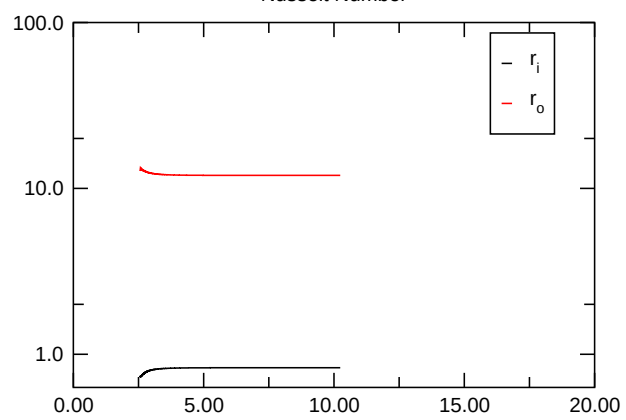
$E_{\text{kin,symm.}}$



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



Nusselt Number

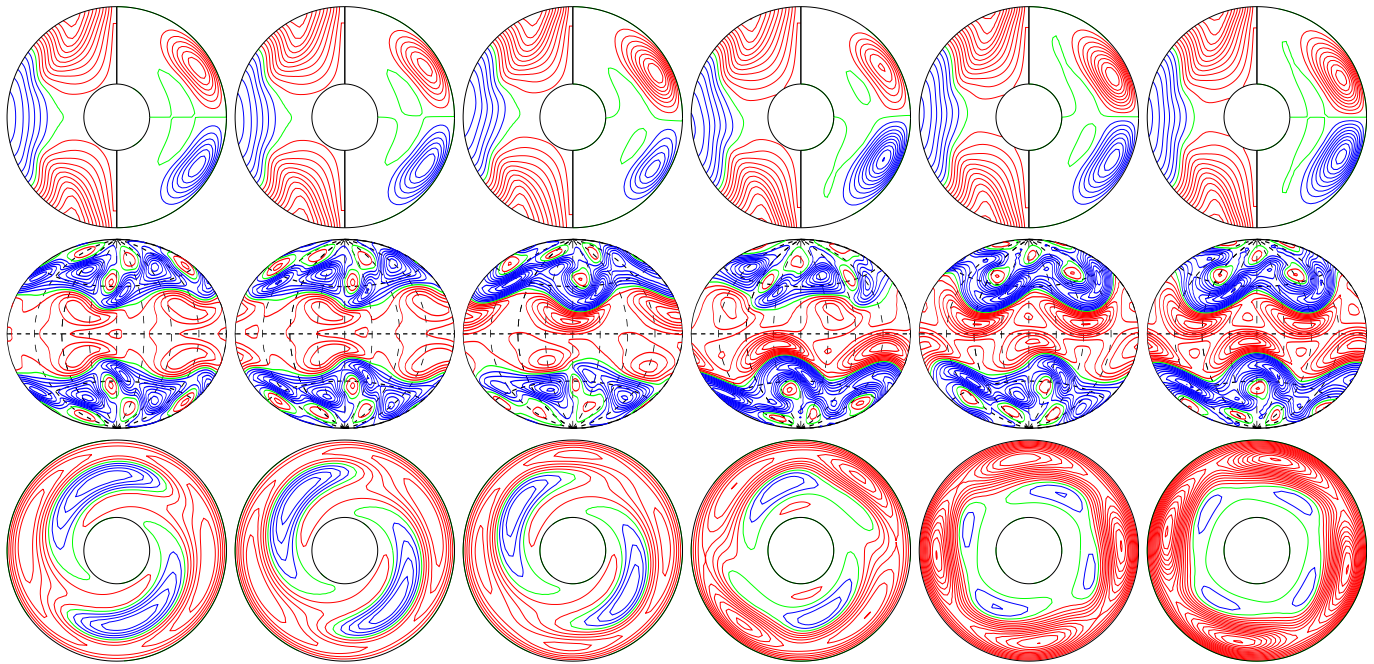




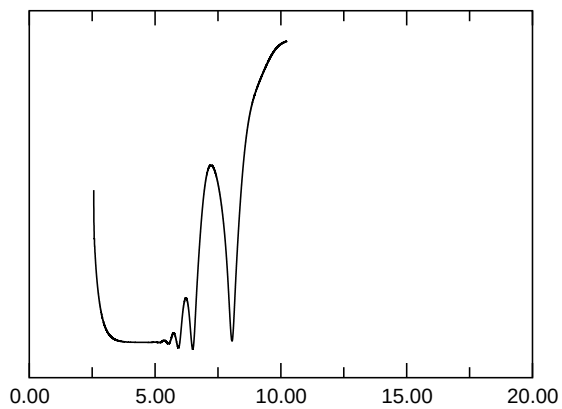
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times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

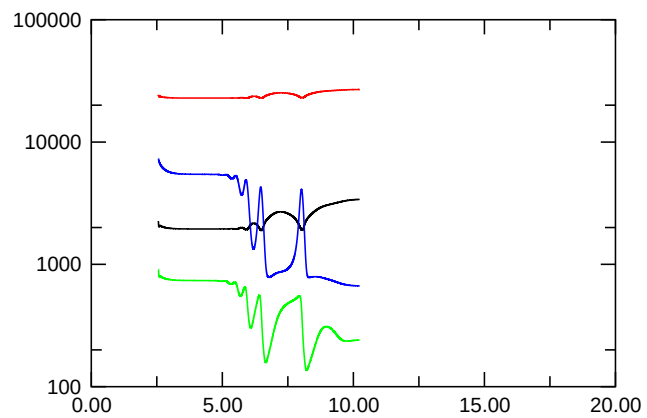
July 16, 2015



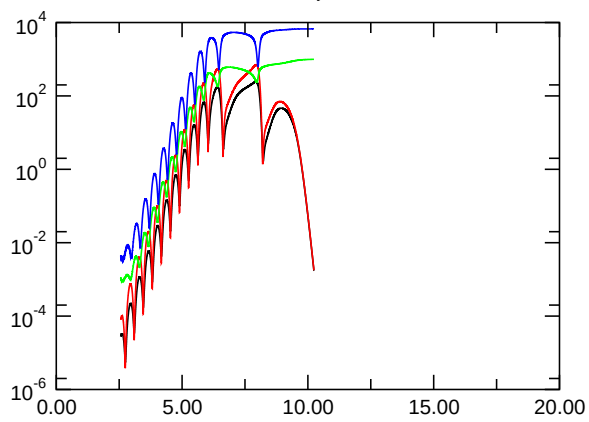
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 $E_{\text{kin}}$



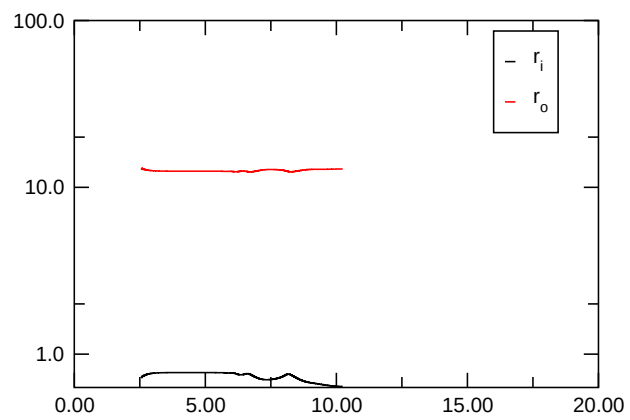
$E_{\text{kin,symm.}}$



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



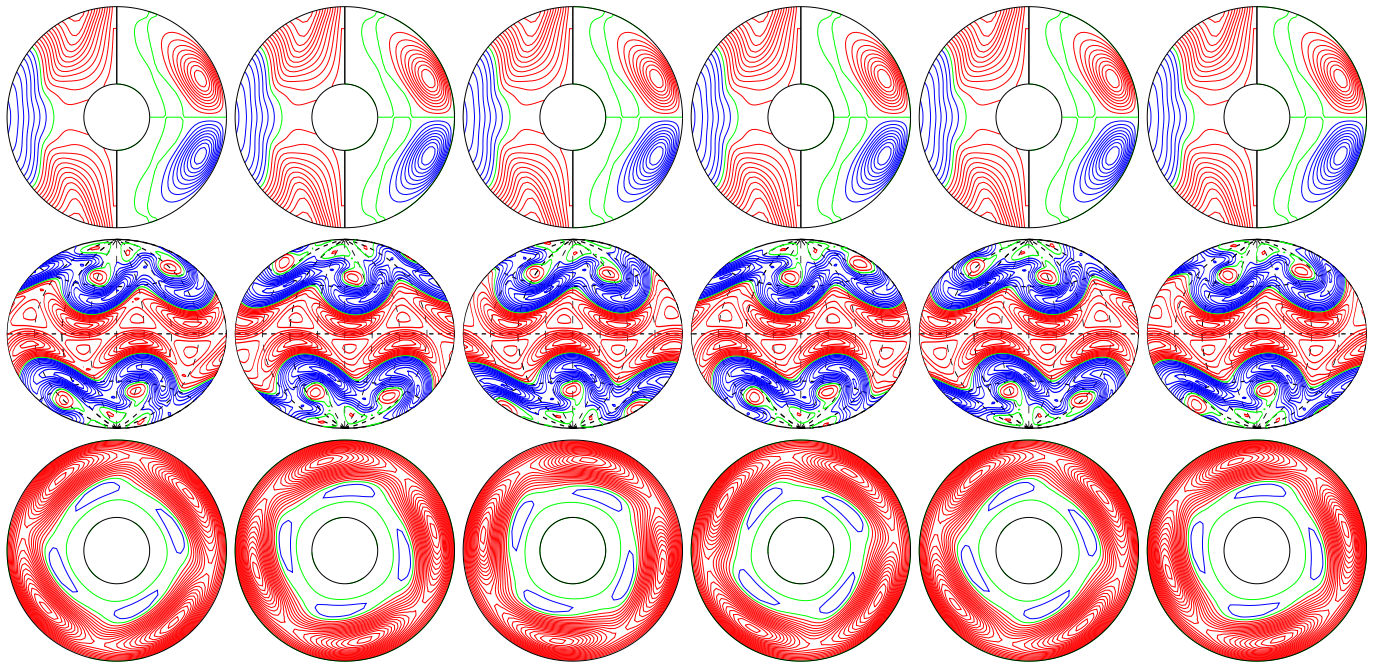
Nusselt Number



a.e03p1t03r-100000m1n2N1z2e5.10

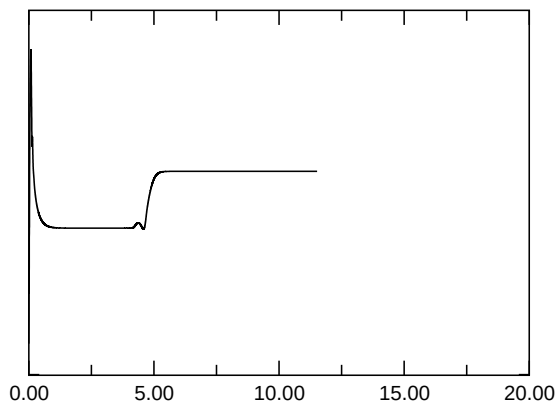
July 16, 2015

times: 5.120004 6.400005 7.680006 8.960007 10.24001 11.52001

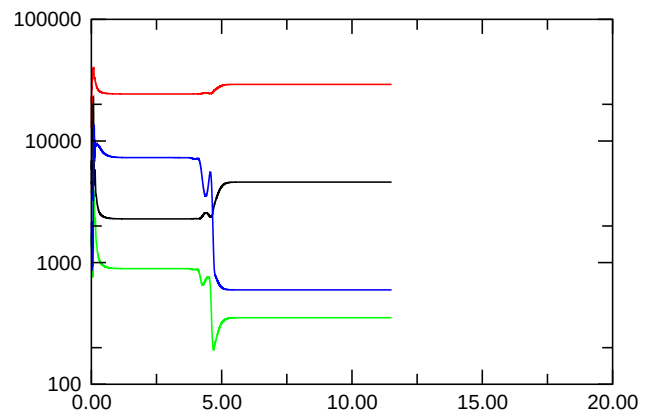


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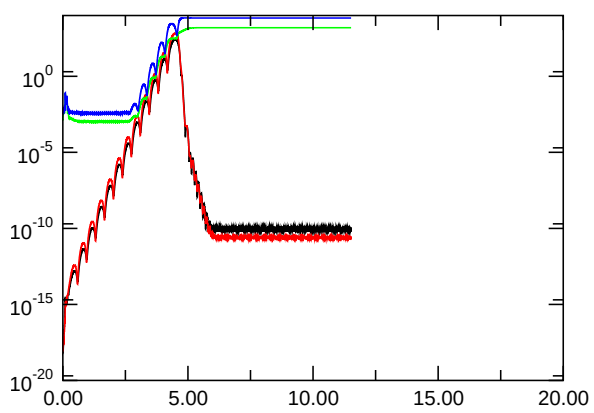
$E_{\text{kin}}$



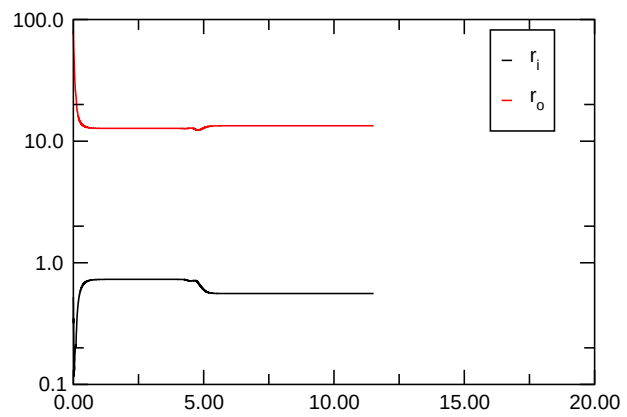
$E_{\text{kin,symm.}}$



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



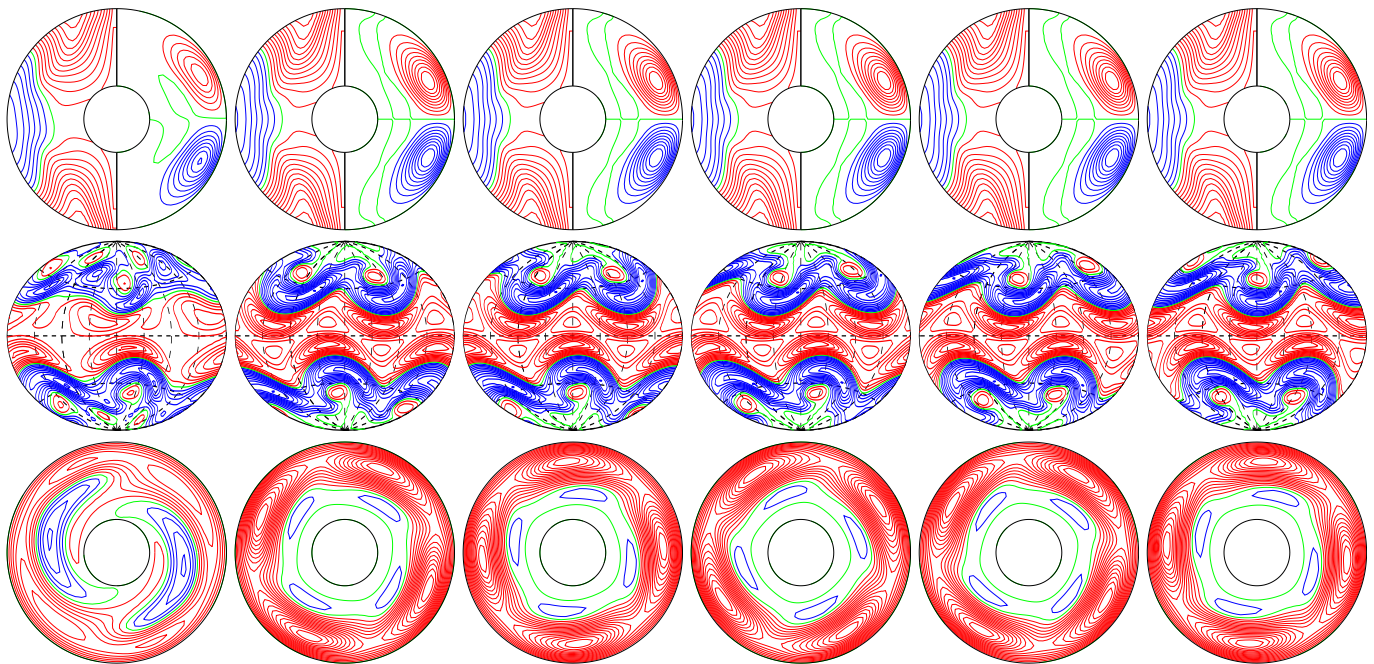
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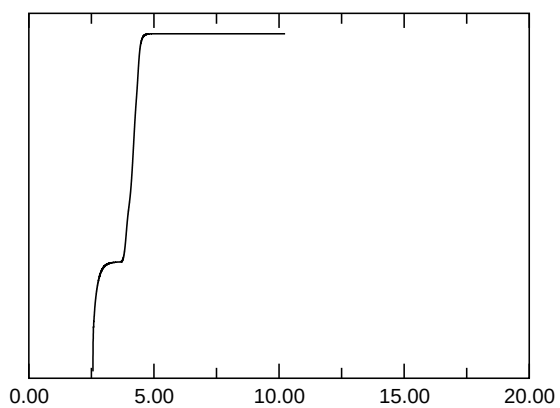
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times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

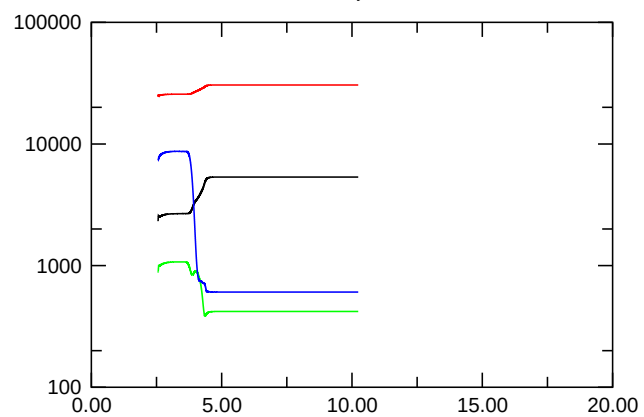
July 16, 2015



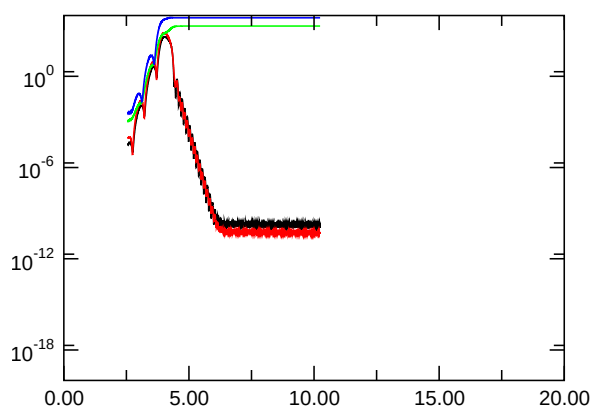
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 $E_{\text{kin}}$



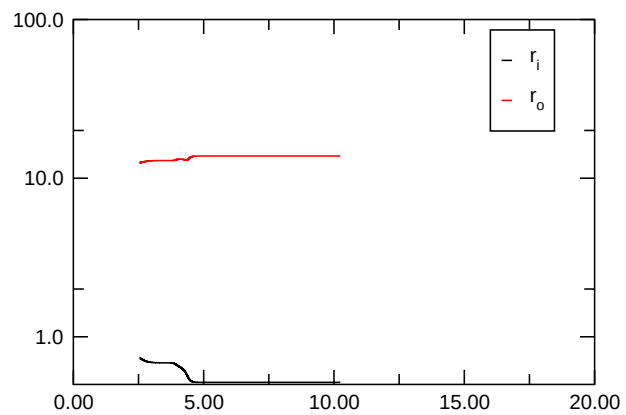
$E_{\text{kin,symm.}}$



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



Nusselt Number

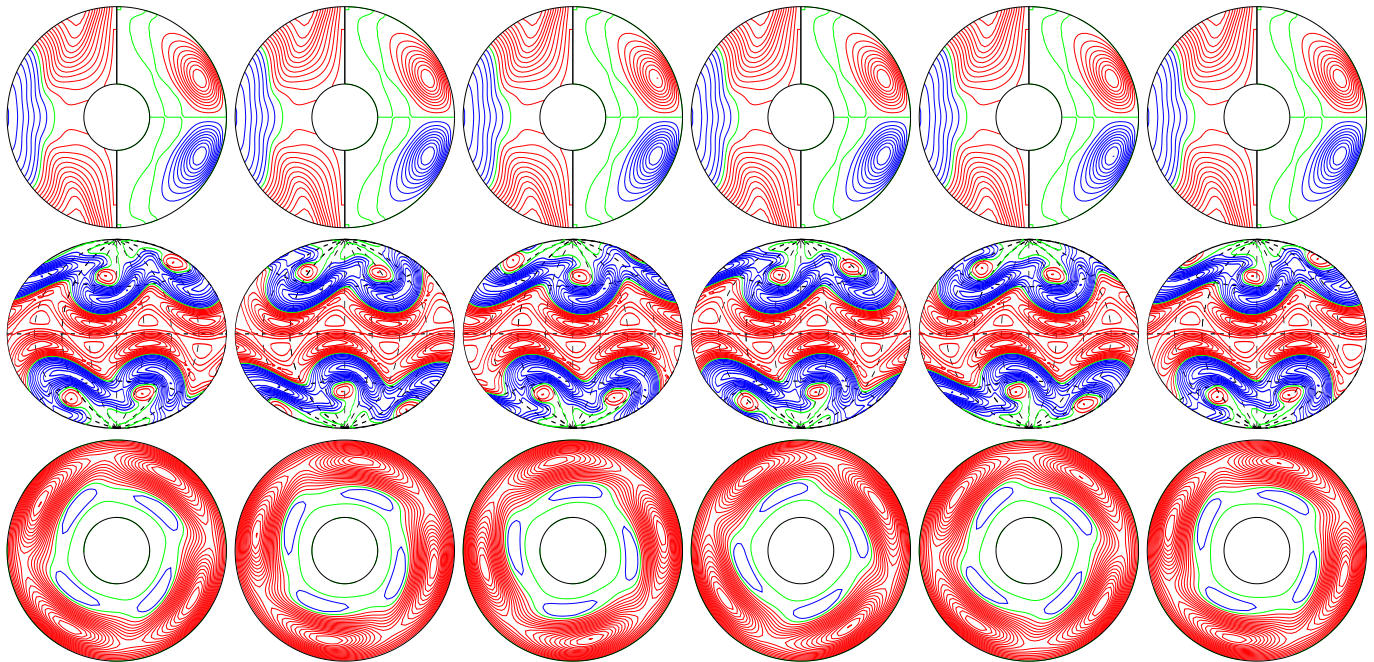




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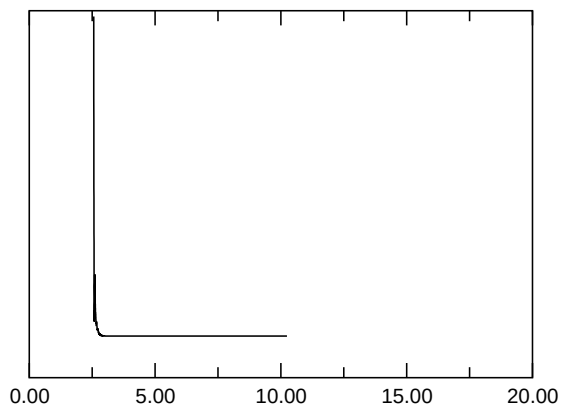
times: 3.840003 5.120004 6.400005 7.680006 8.960007 10.24001

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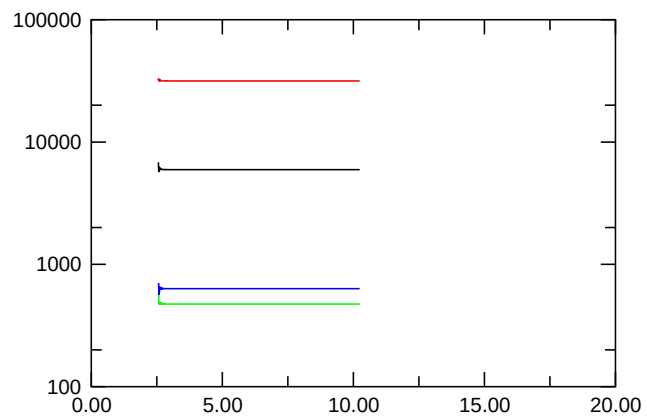


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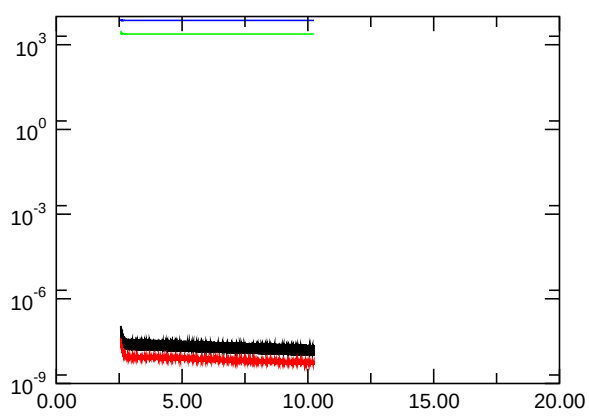
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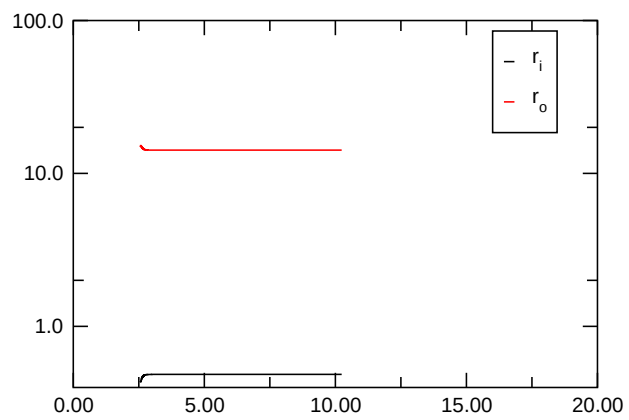
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$E_{\text{kin,asymm.}}$



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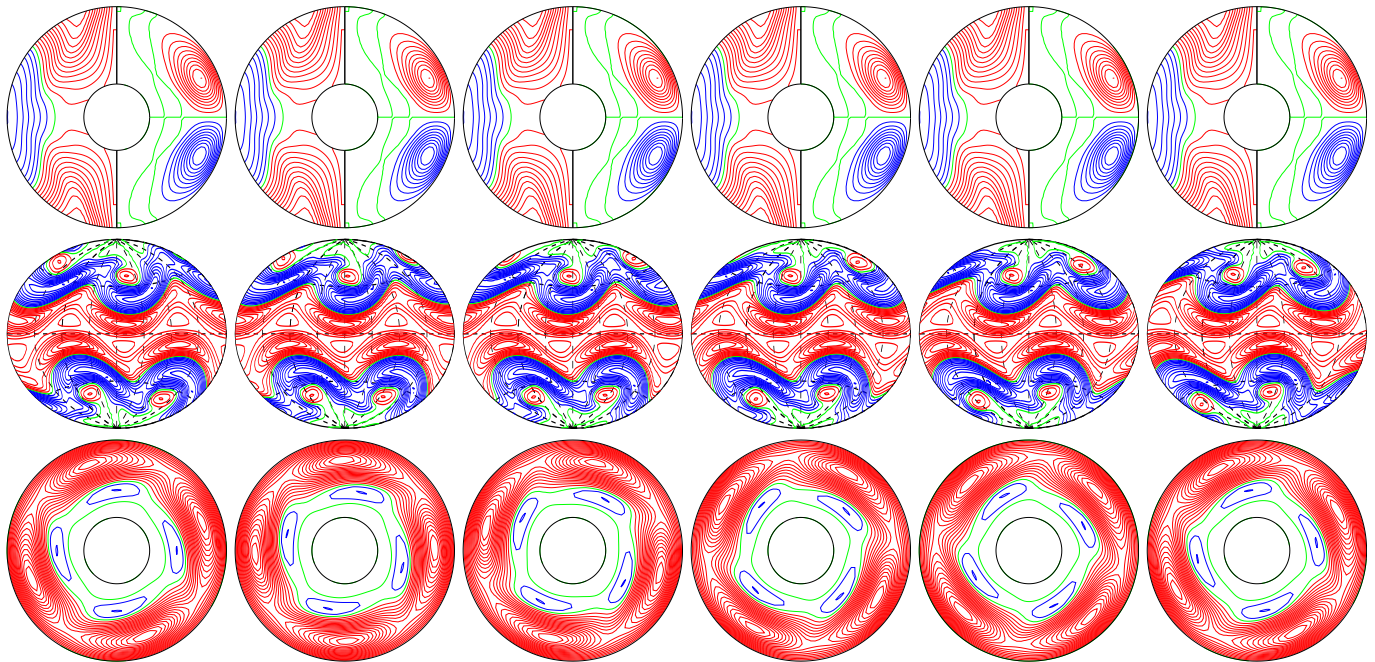




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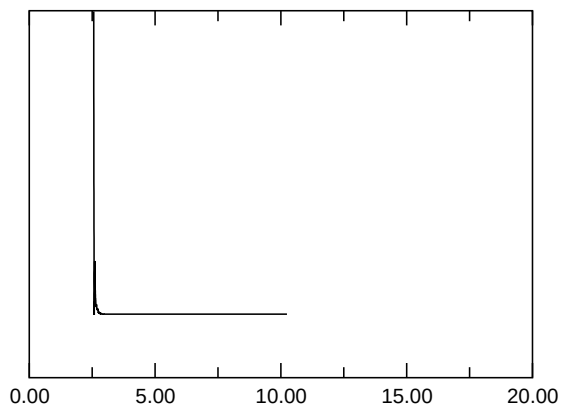
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July 16, 2015

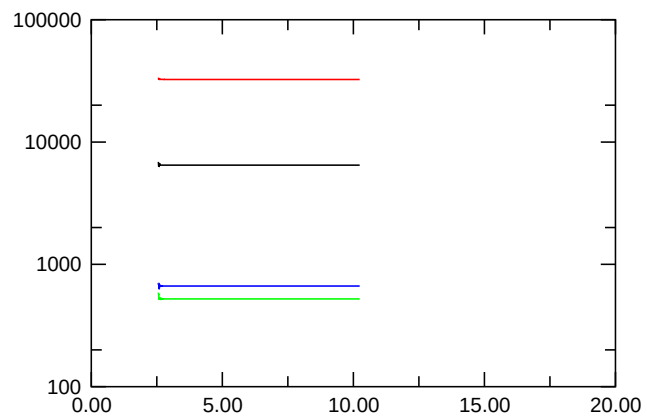


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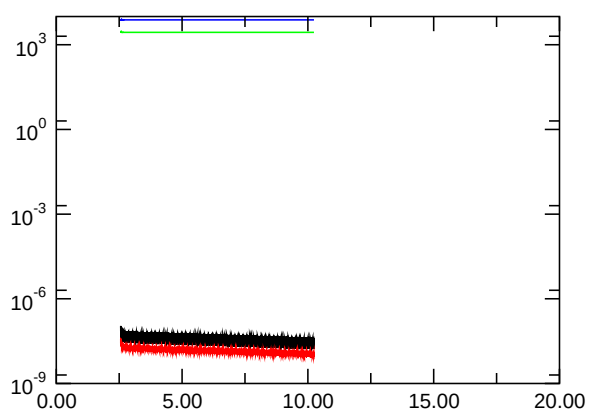
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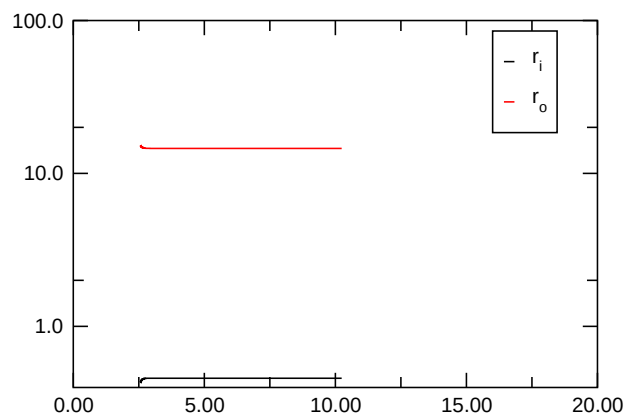
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$E_{\text{kin,asymm.}}$



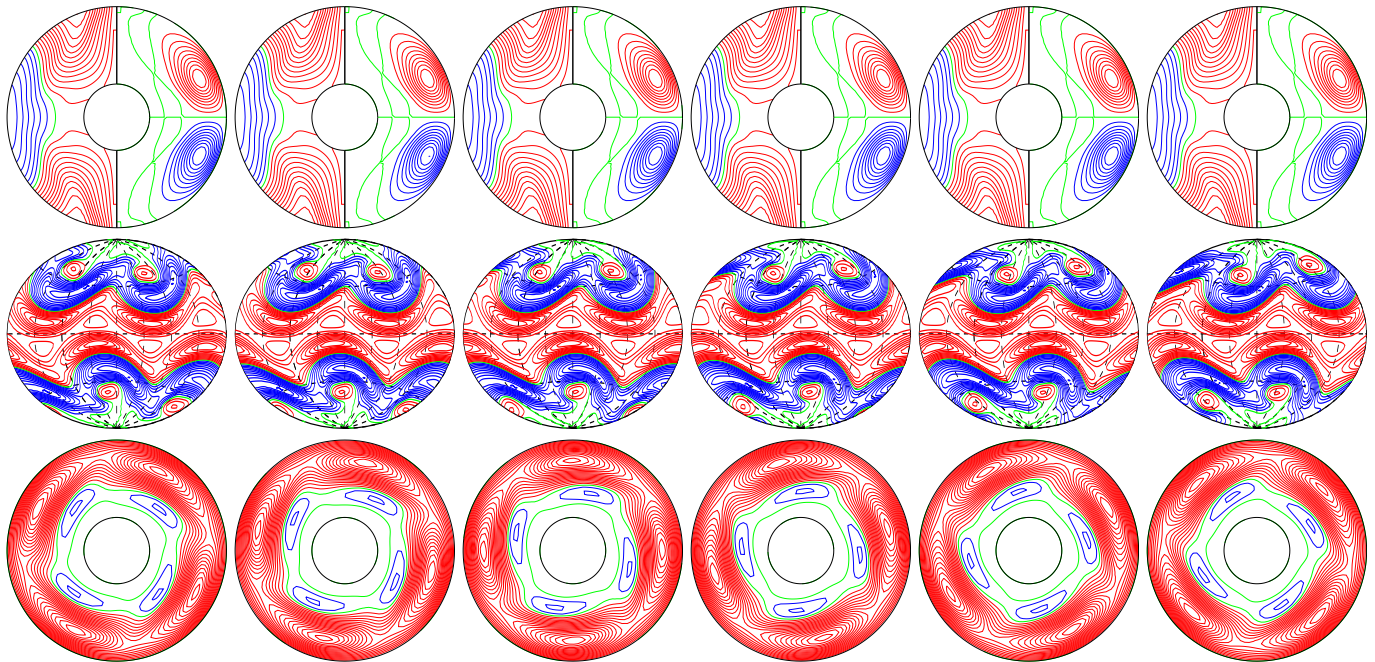
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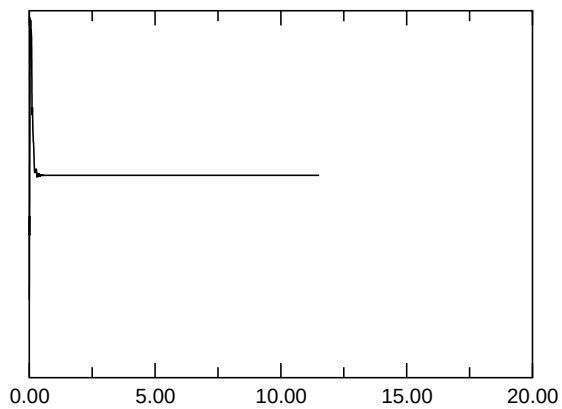
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July 16, 2015

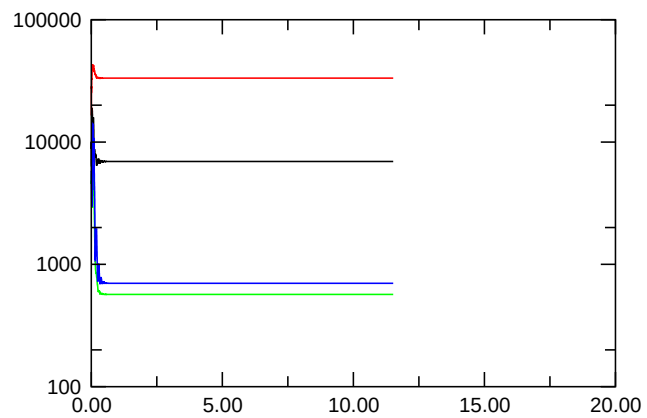


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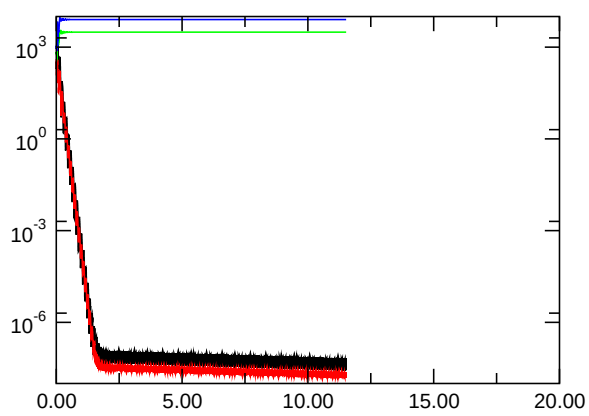
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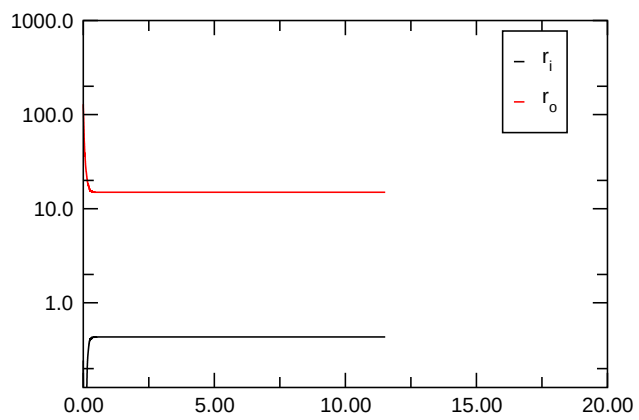
$E_{\text{kin,symm.}}$



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



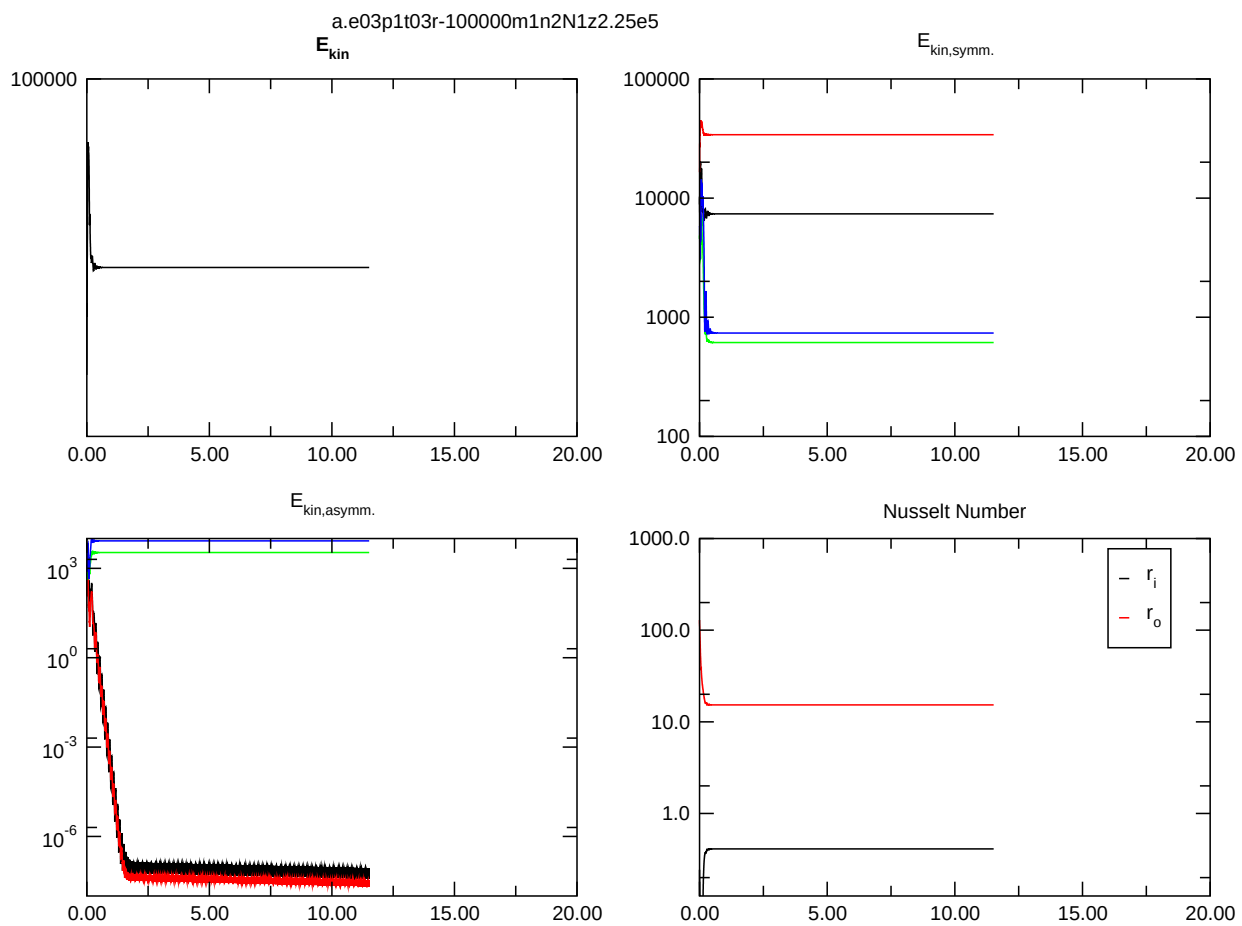
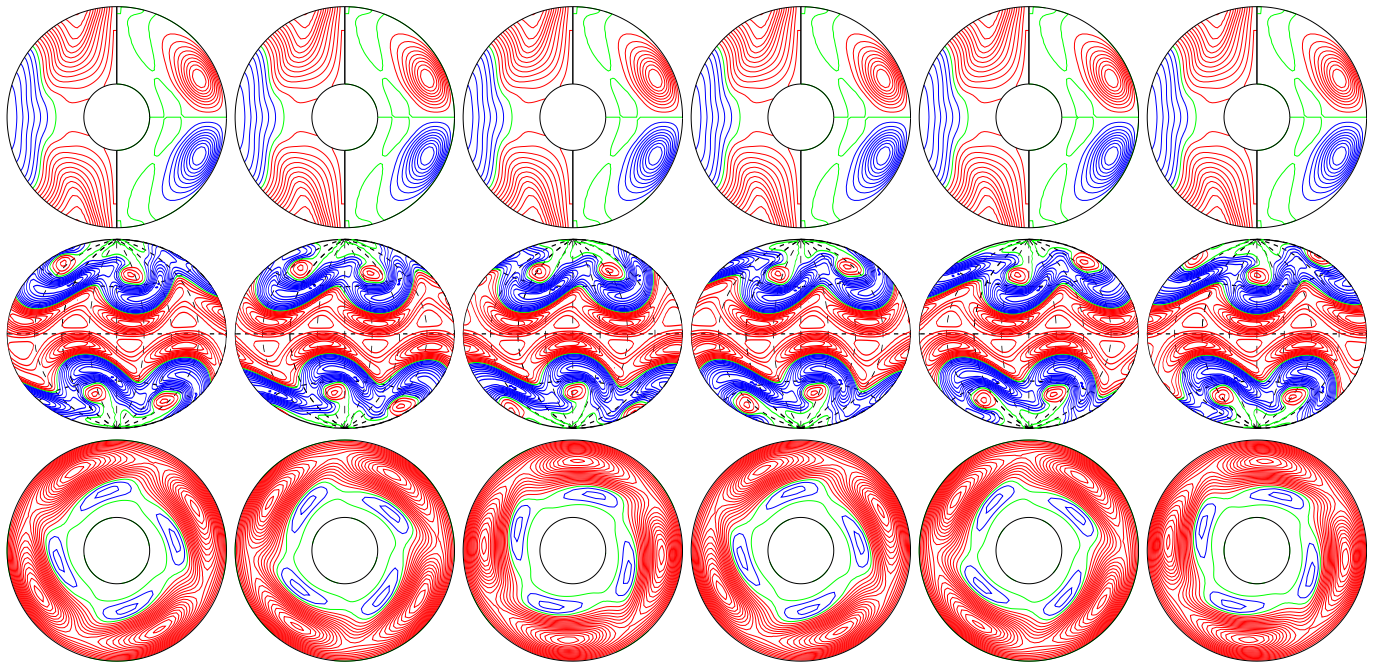
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July 16, 2015

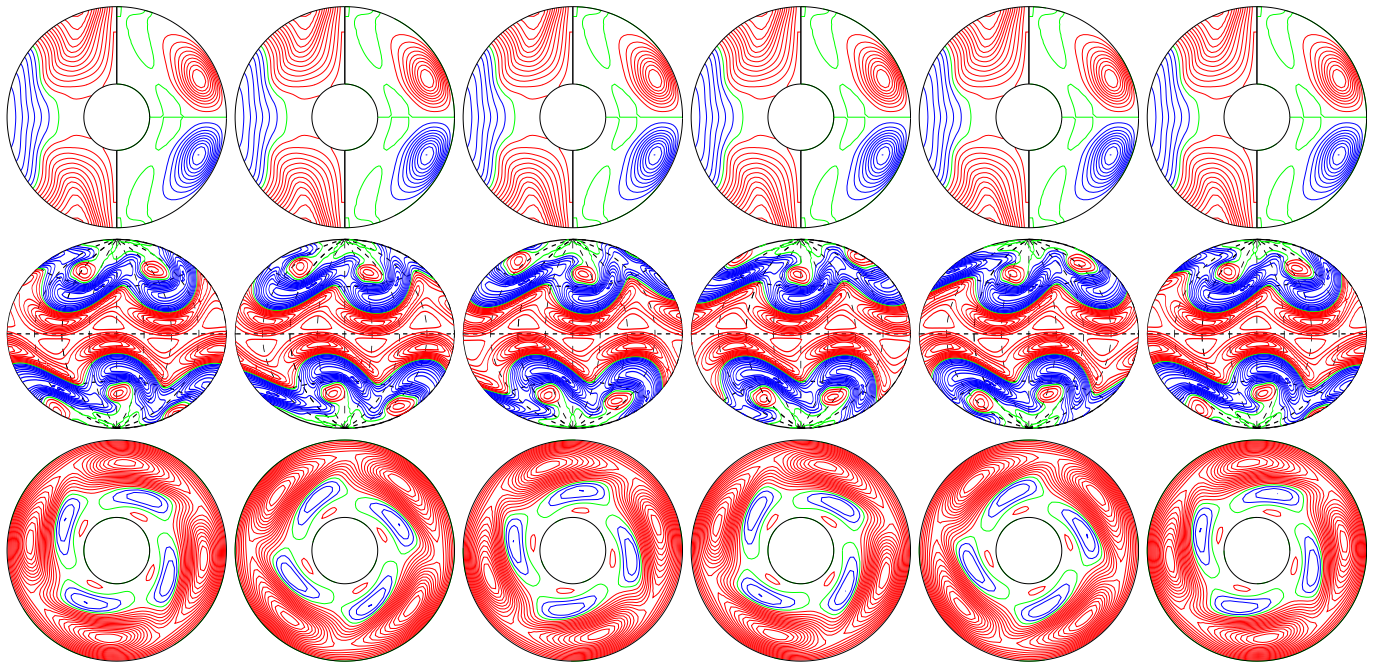




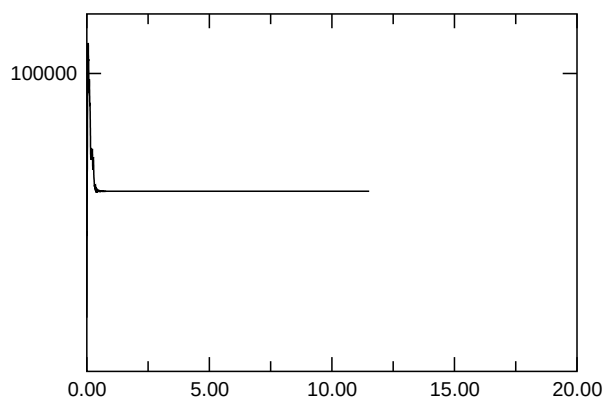
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July 16, 2015

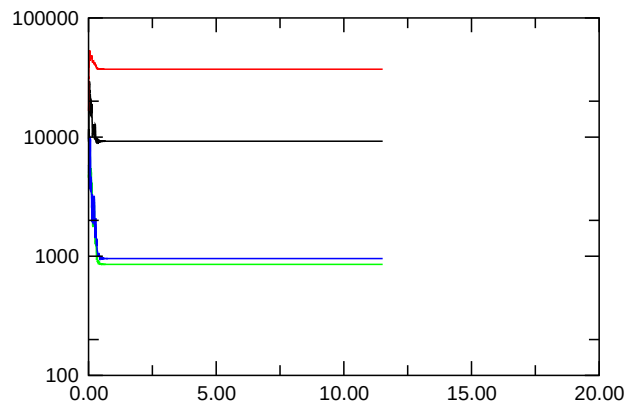
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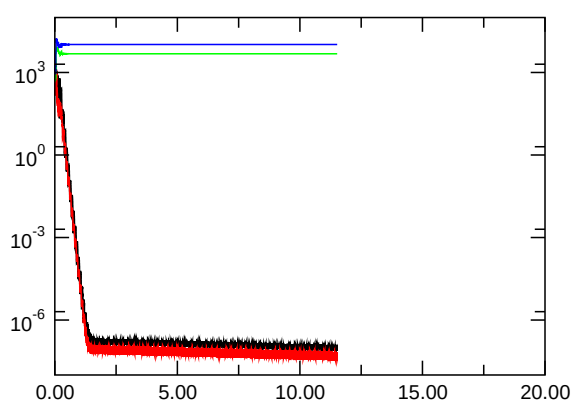
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 $E_{\text{kin}}$



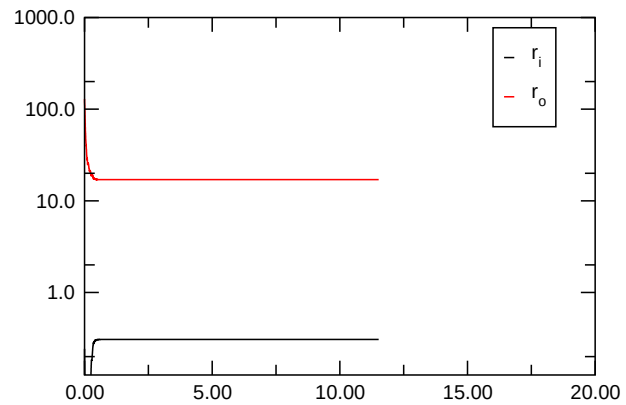
$E_{\text{kin,symm.}}$



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



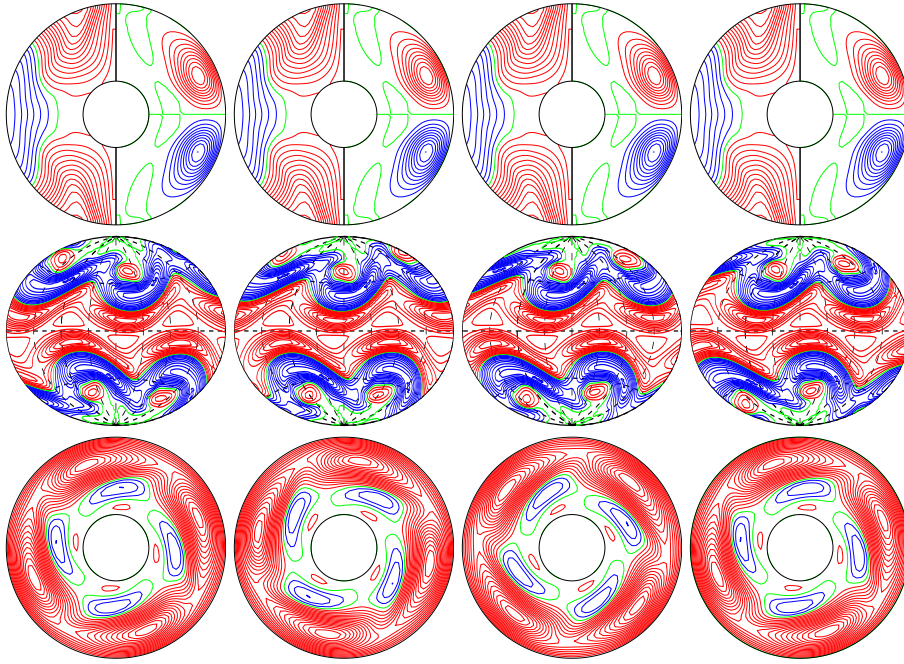
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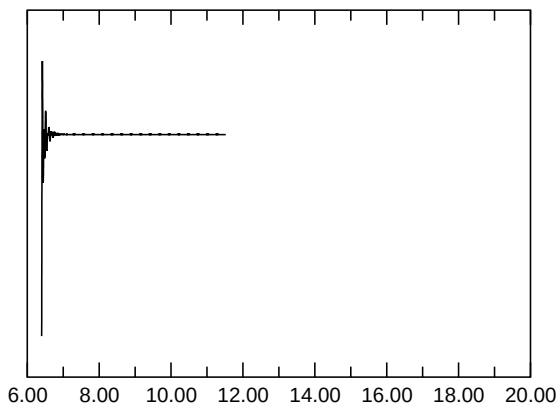


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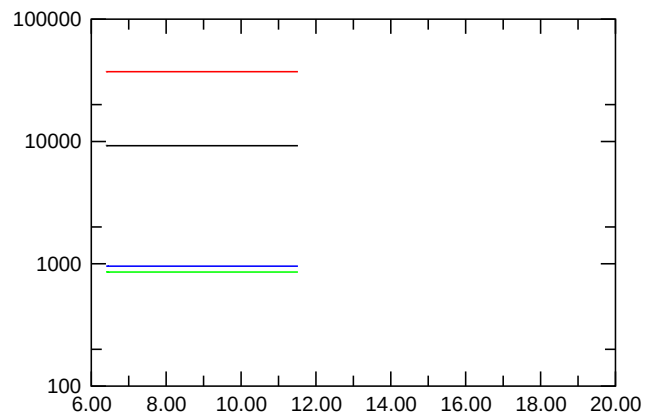
July 16, 2015



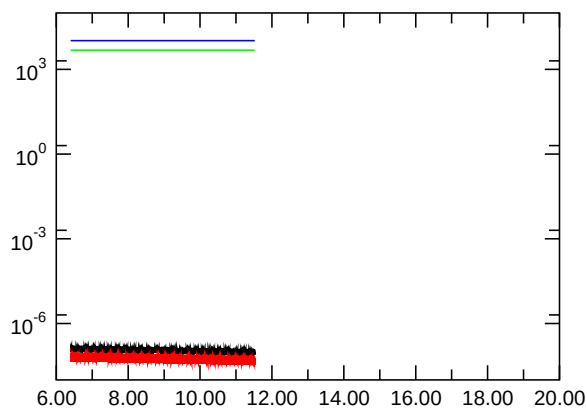
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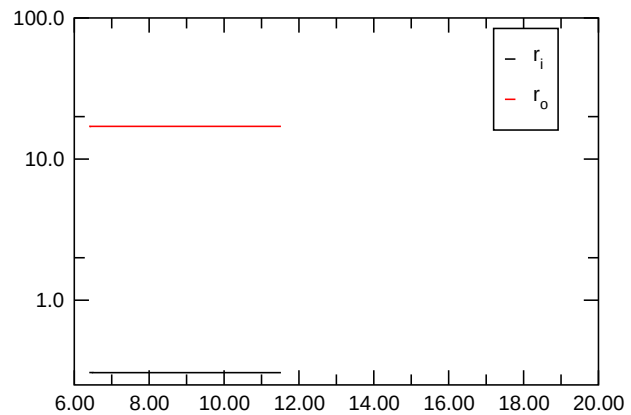
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$E_{\text{kin,asymm.}}$

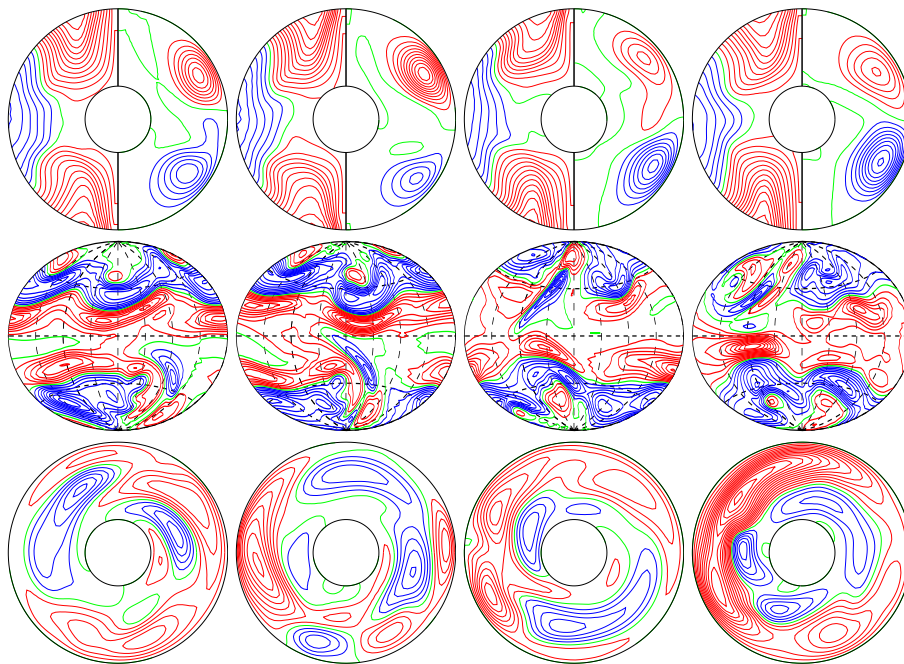


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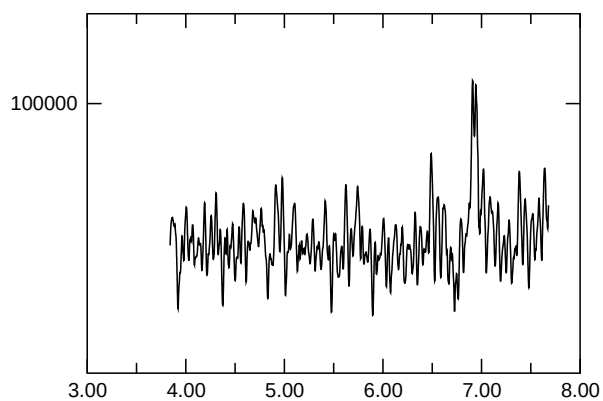


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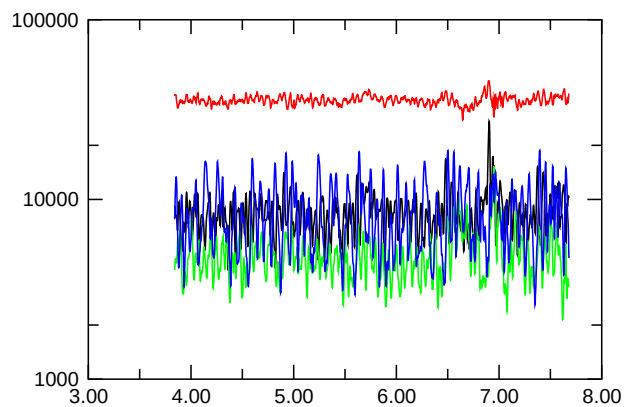
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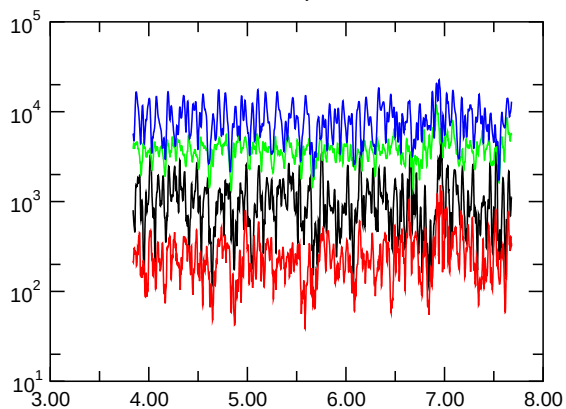
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 $E_{\text{kin}}$



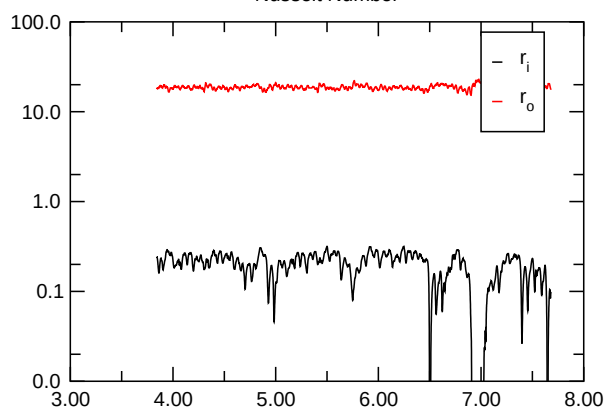
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$E_{\text{kin,asymm.}}$

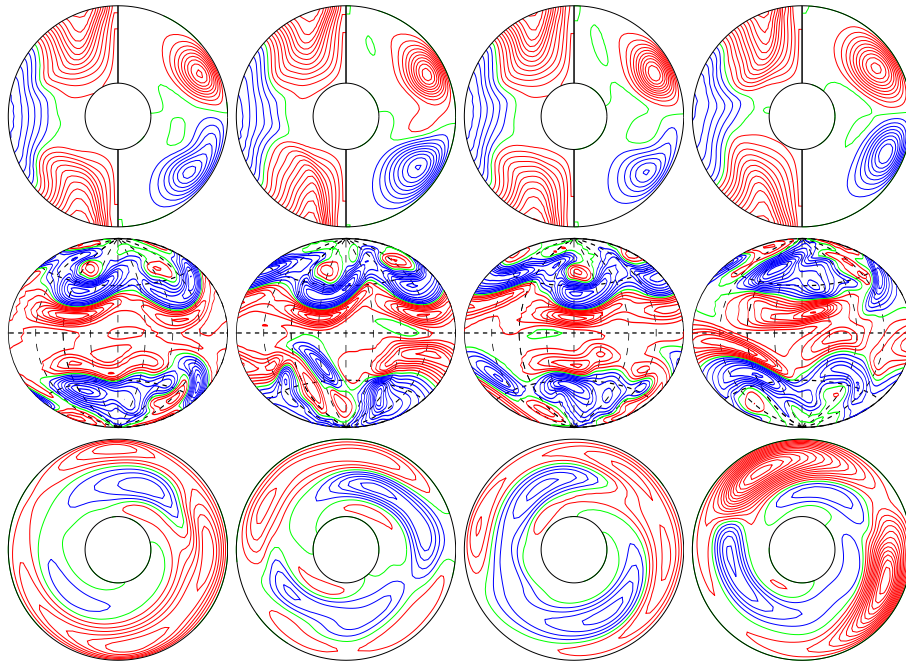


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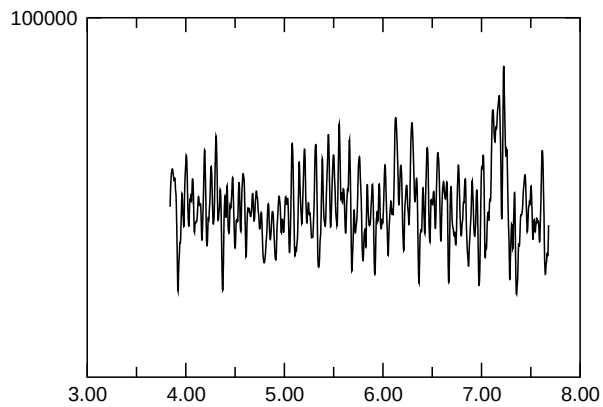


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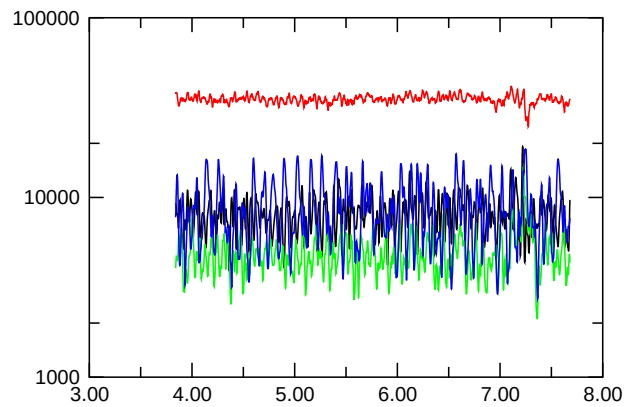
July 16, 2015



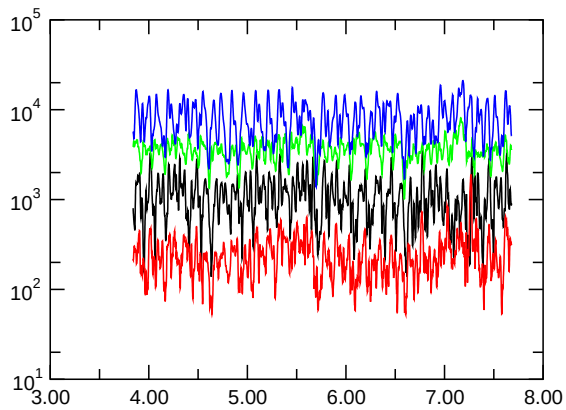
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 $E_{\text{kin}}$



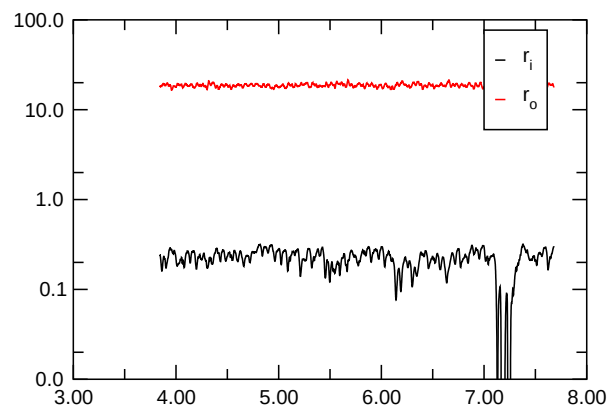
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$E_{\text{kin,asymm.}}$

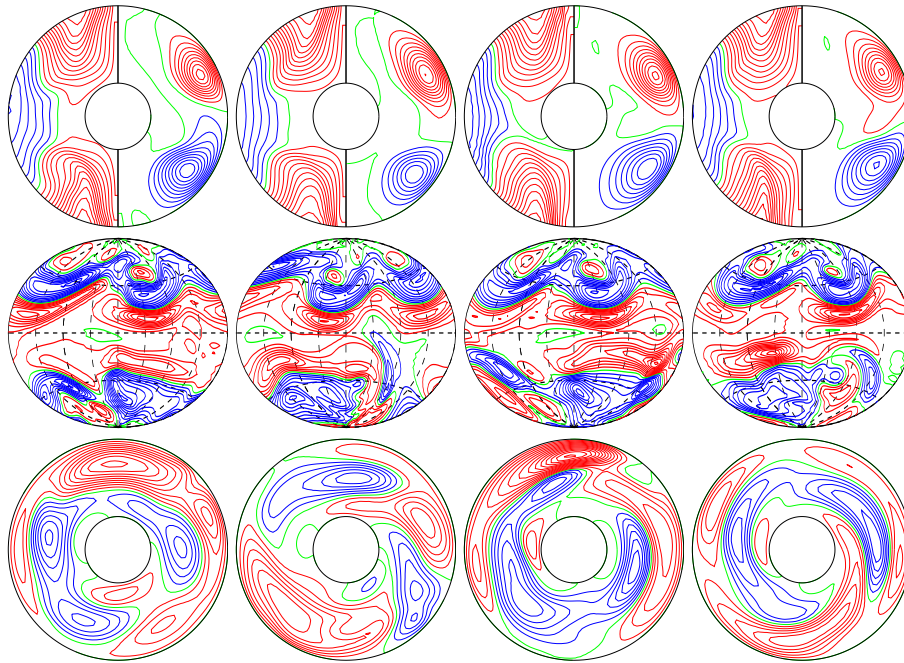


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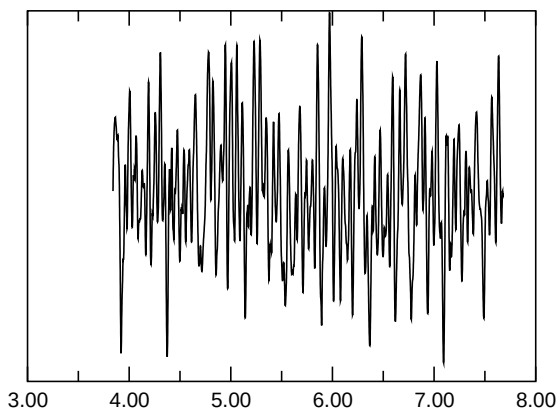


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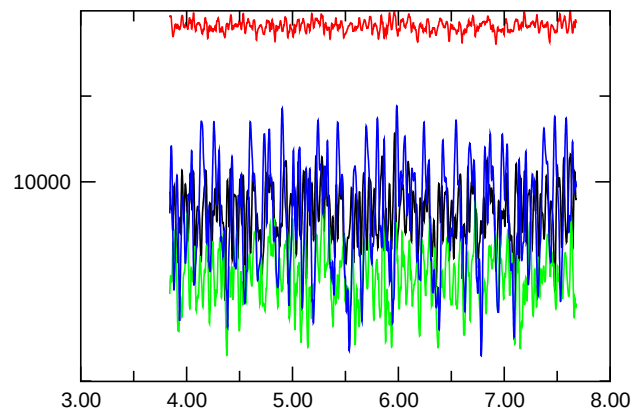
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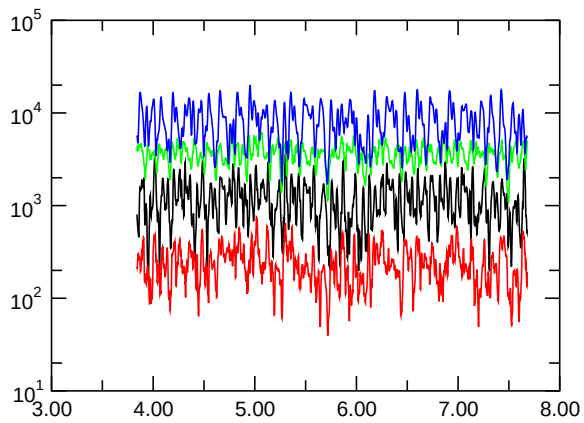
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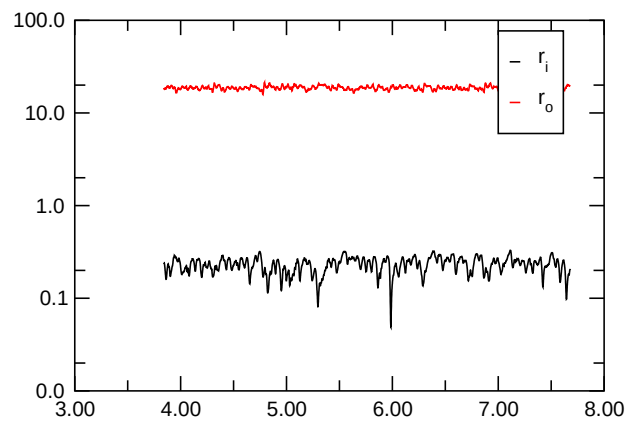
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$E_{\text{kin,asymm.}}$



Nusselt Number

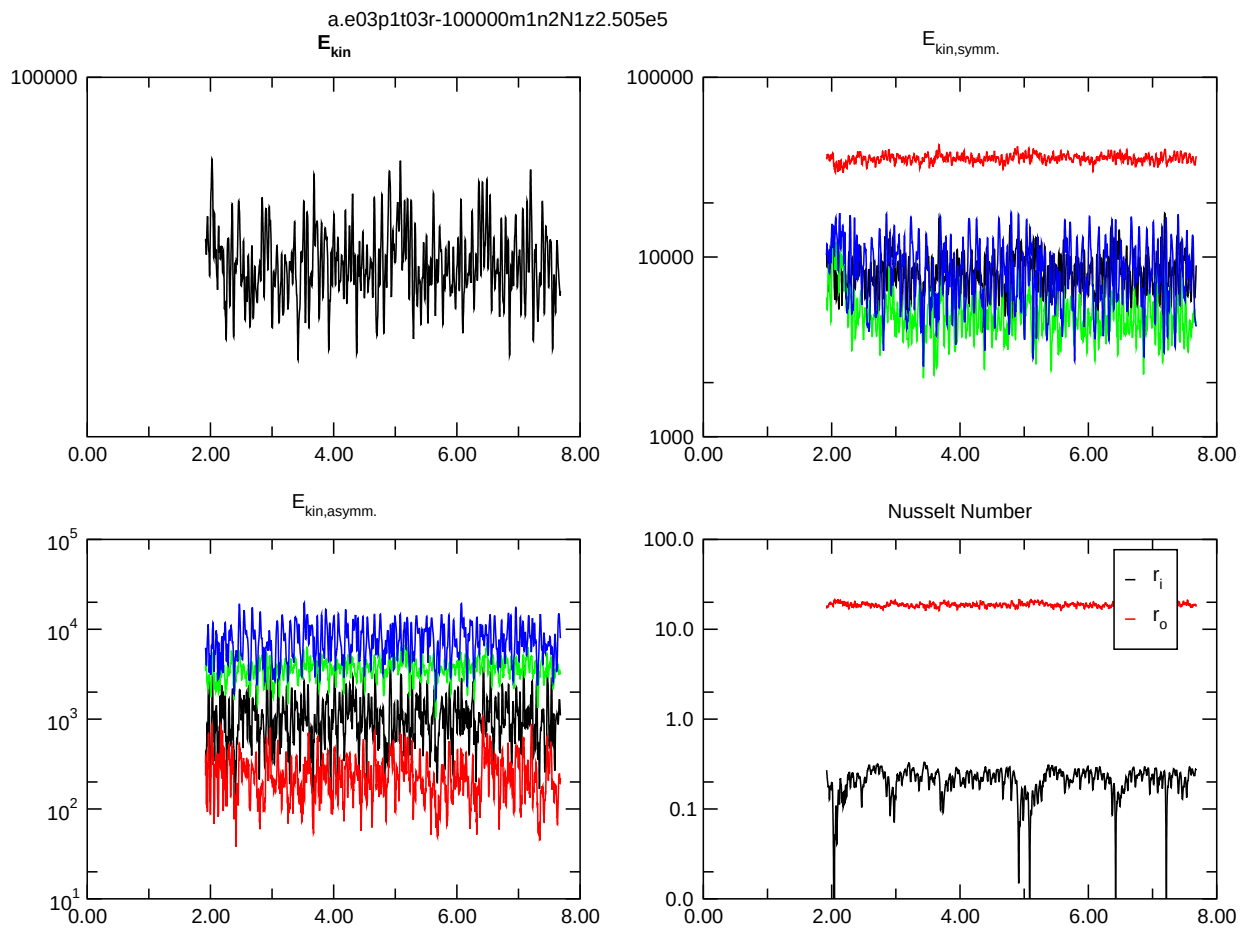
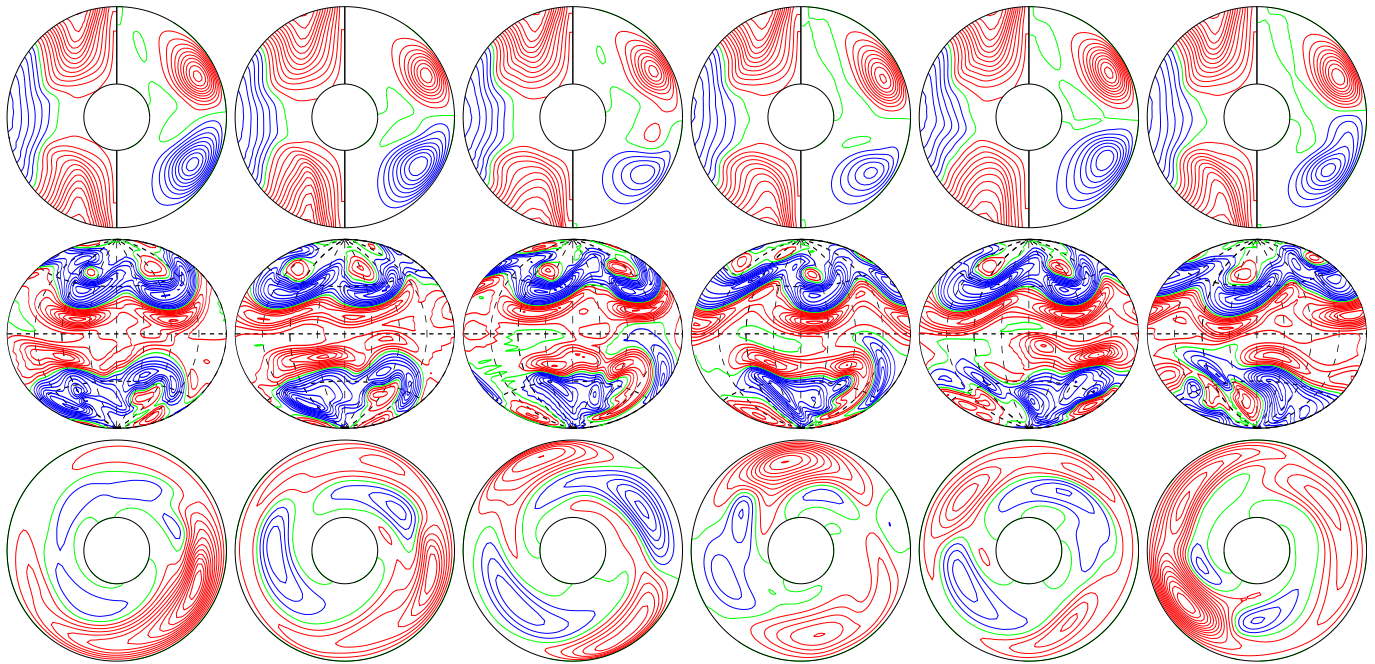




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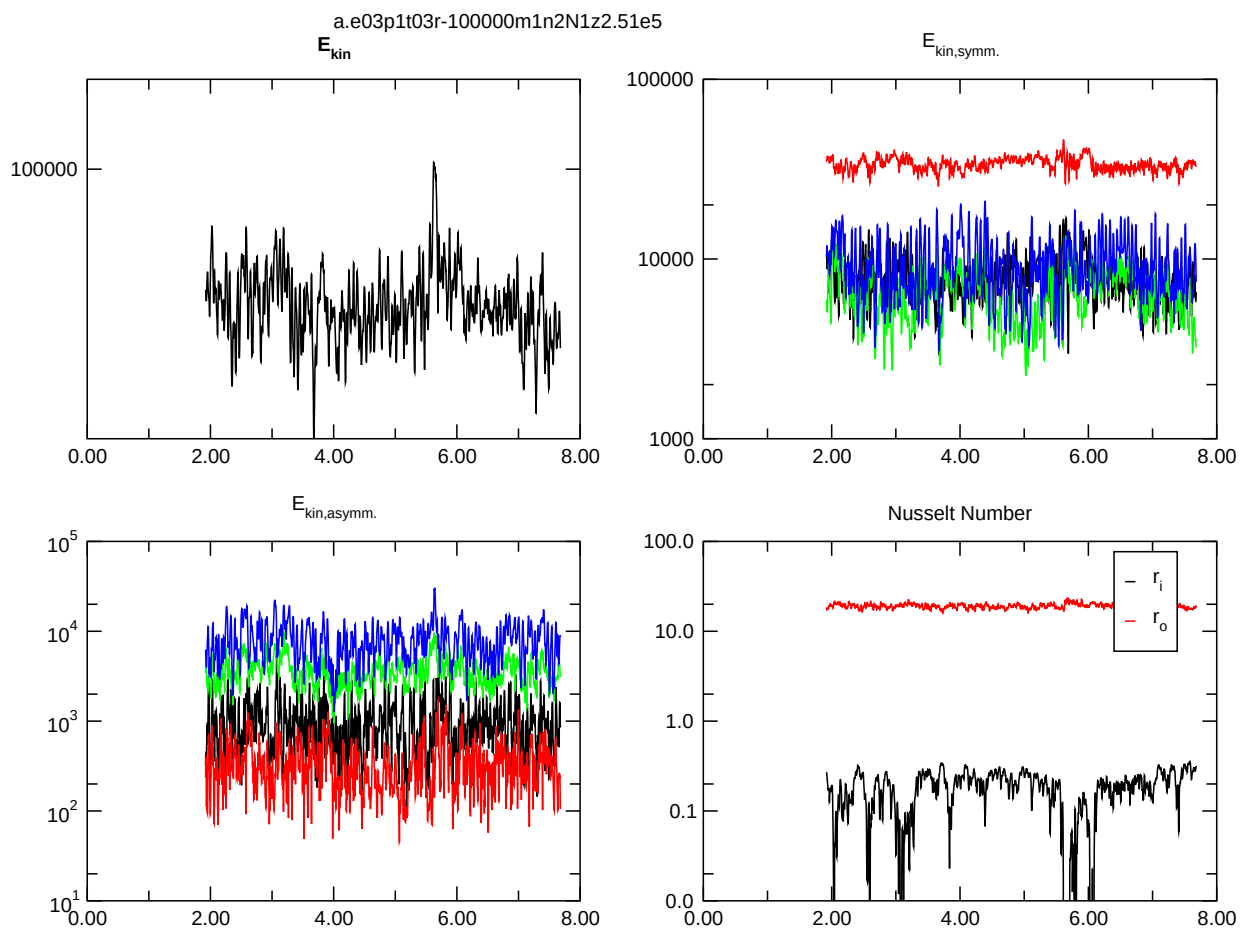
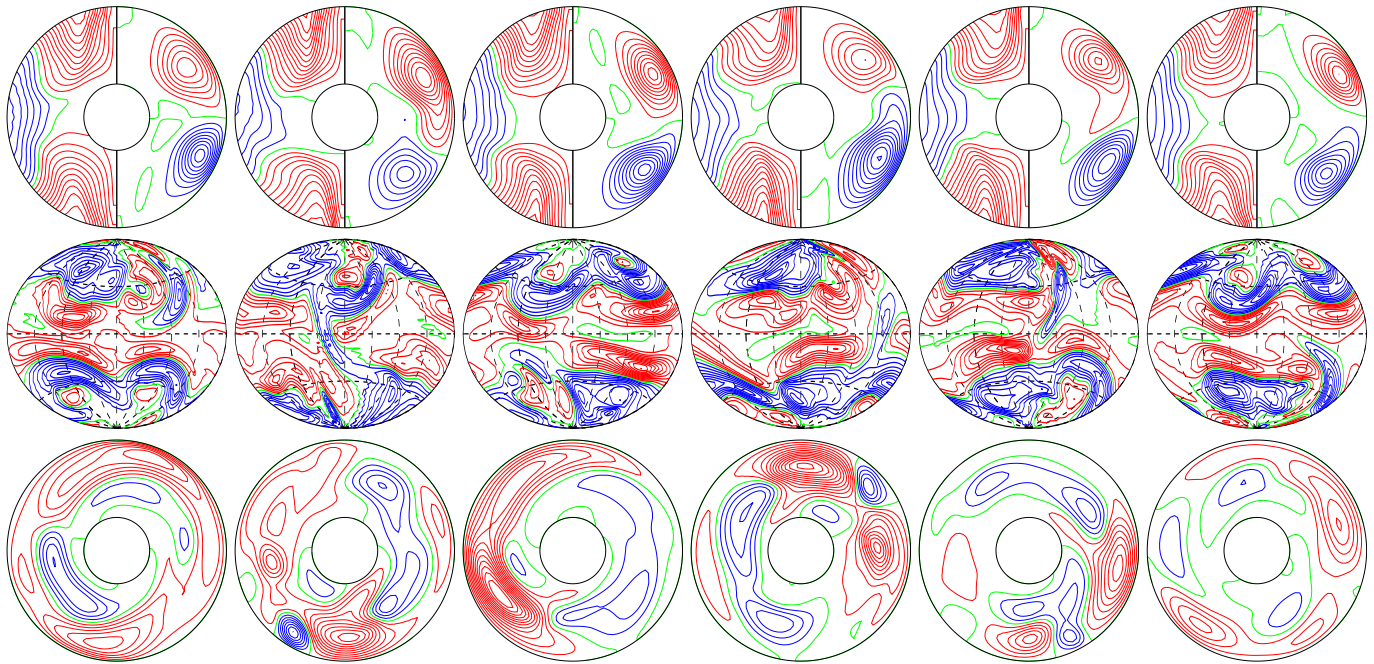
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July 16, 2015



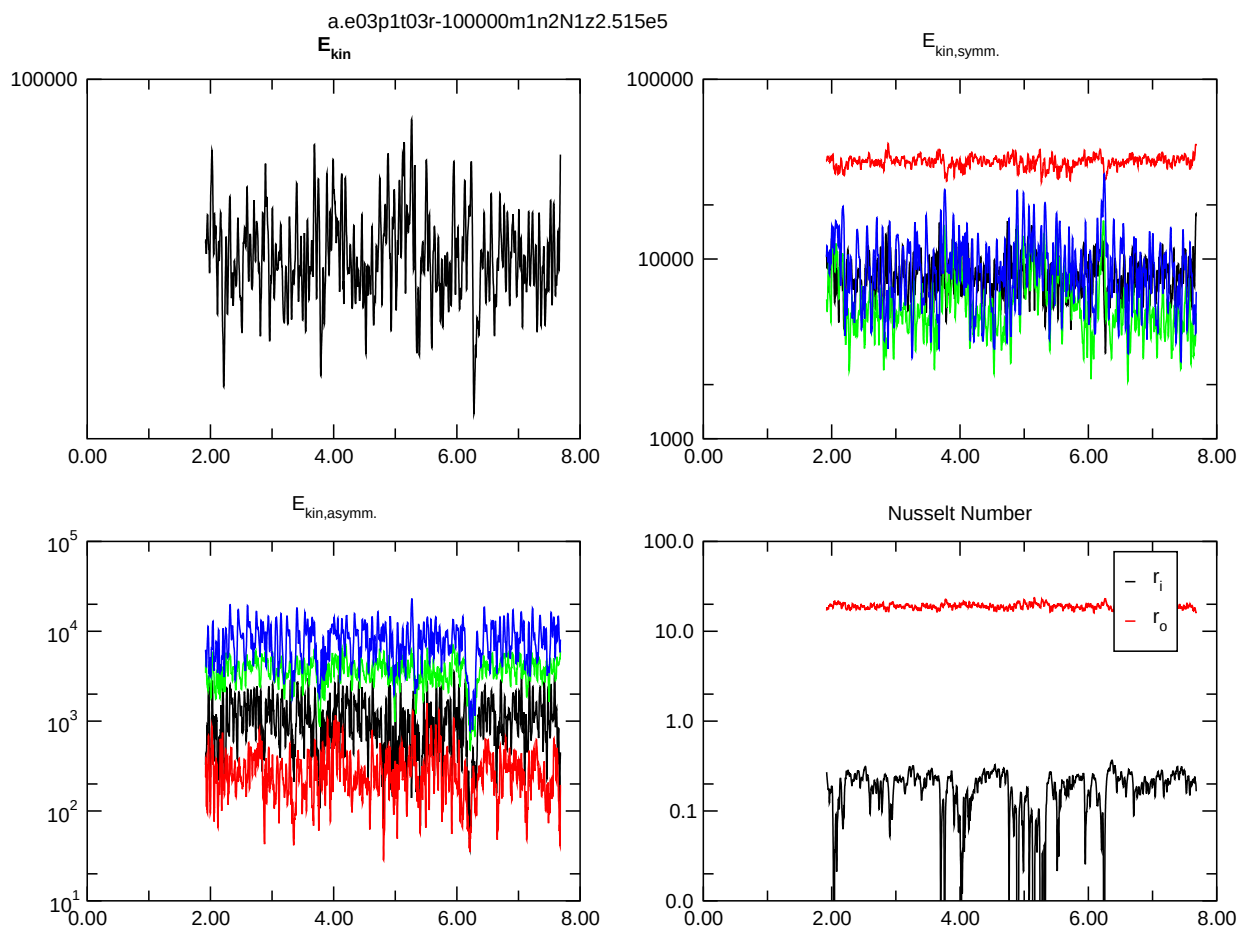
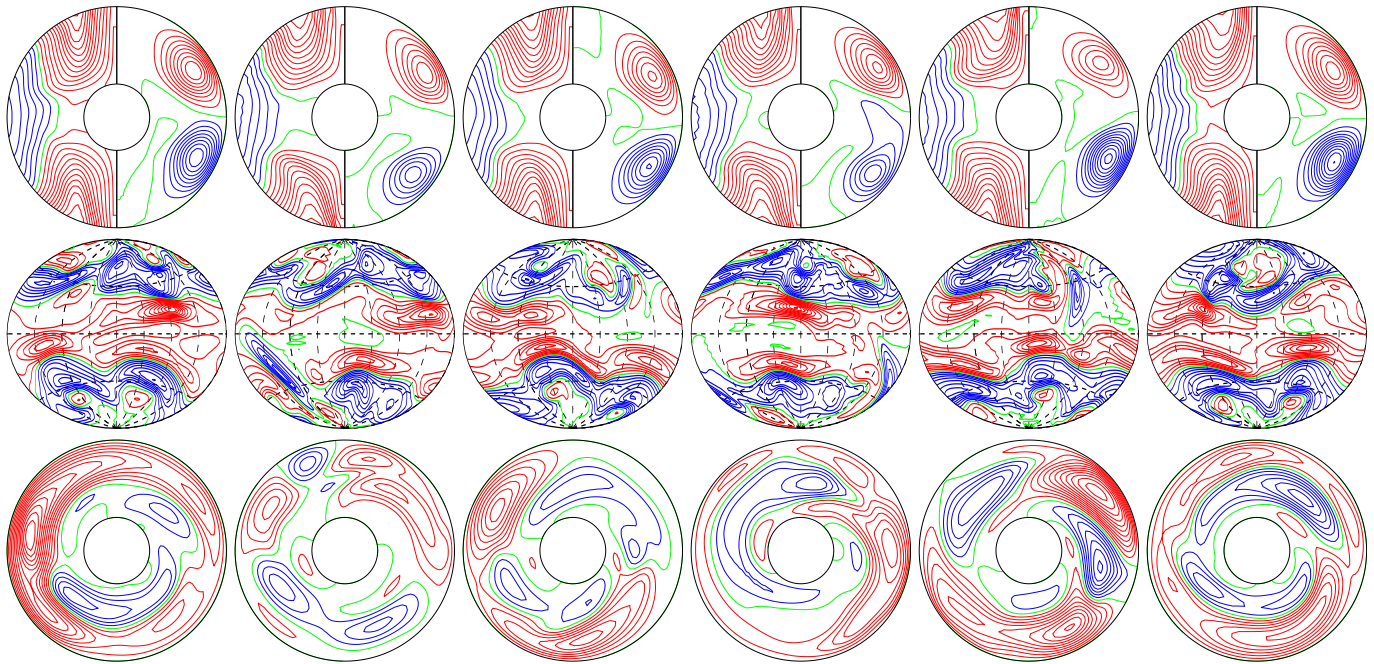
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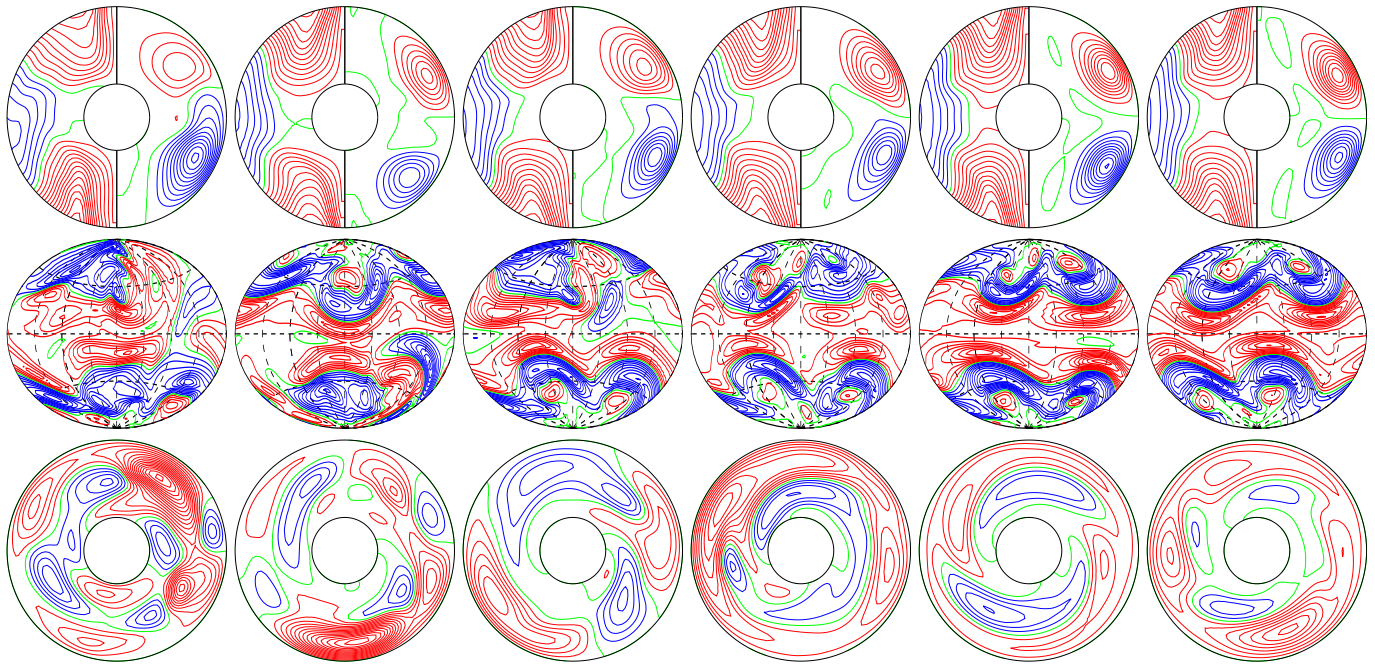
July 16, 2015



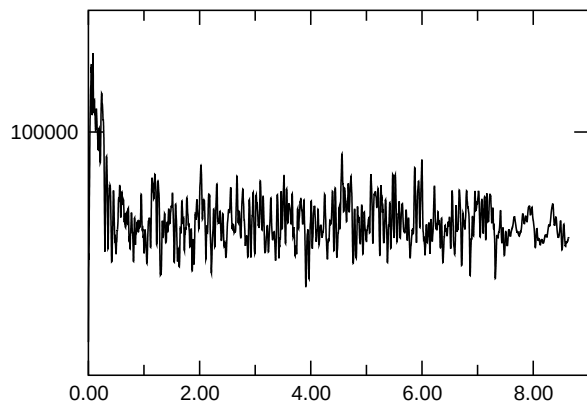
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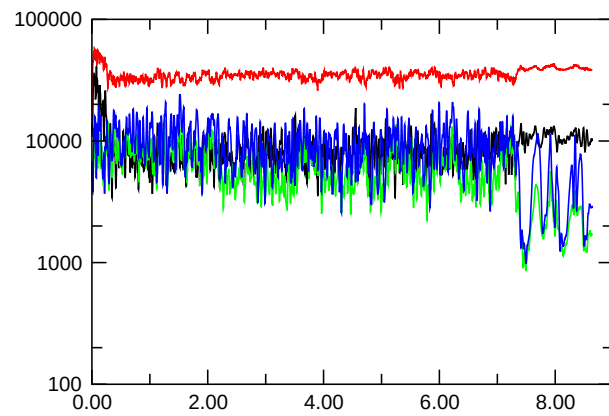
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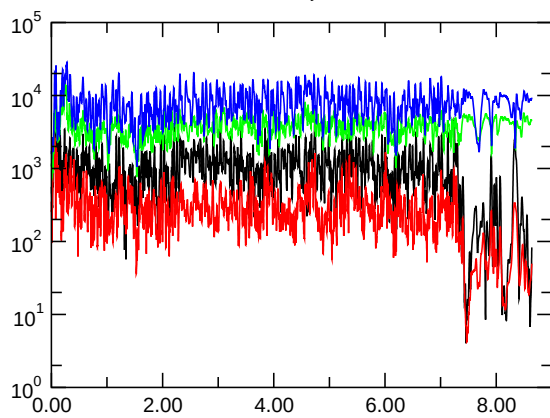
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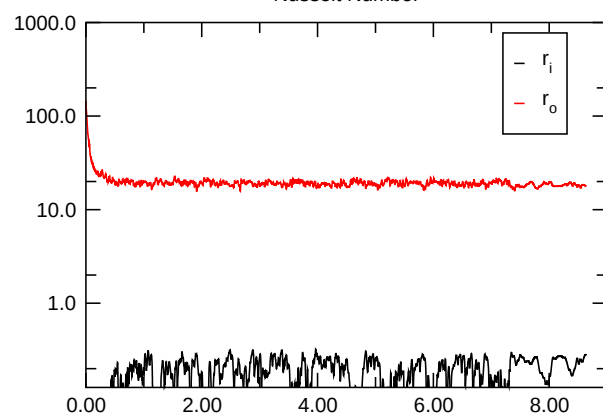
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$E_{\text{kin,asymm.}}$



Nusselt Number

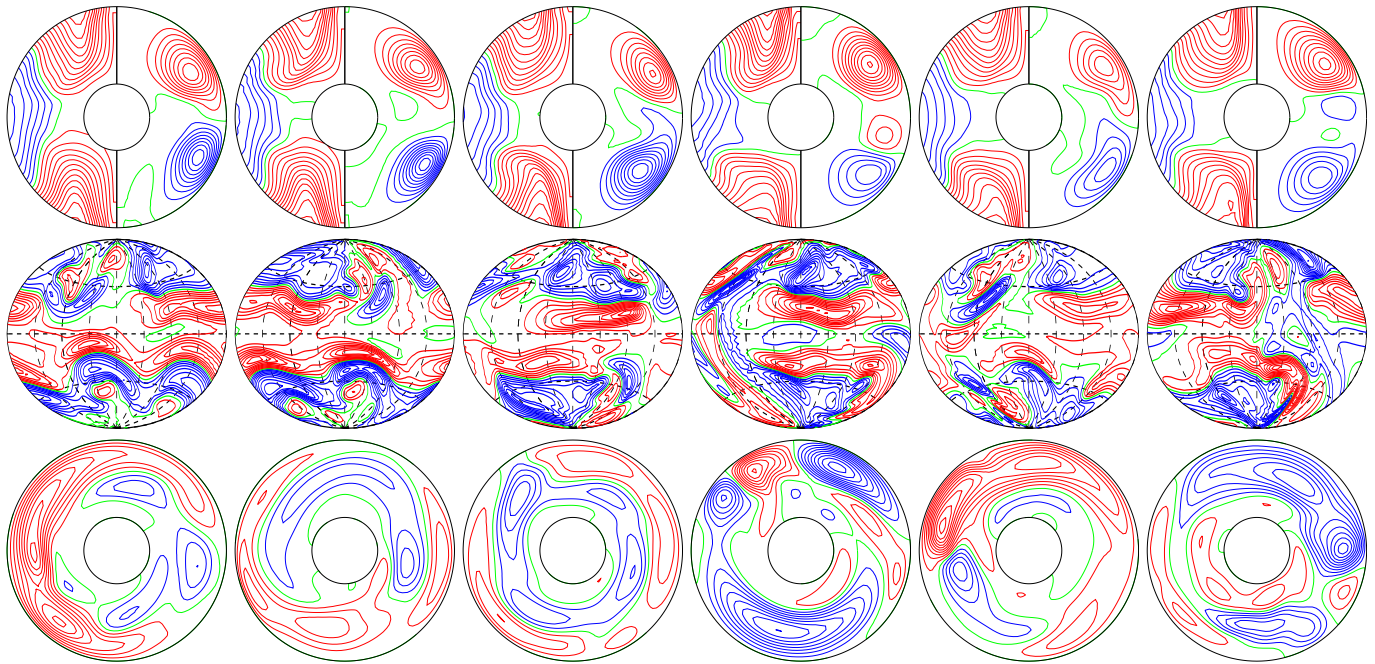




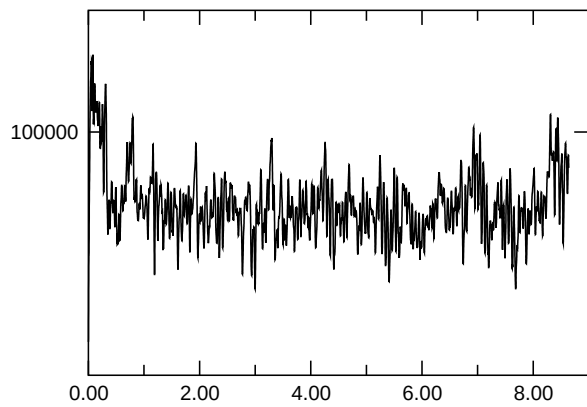
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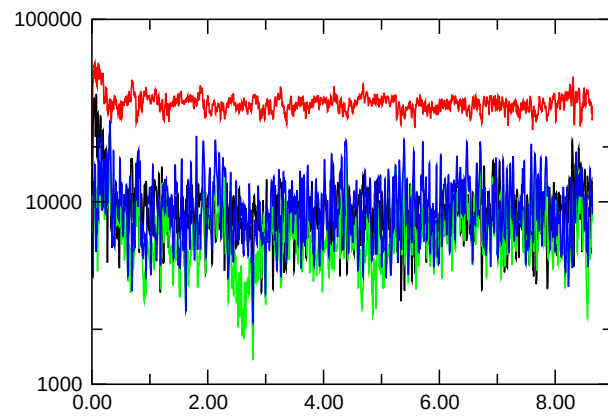
July 16, 2015



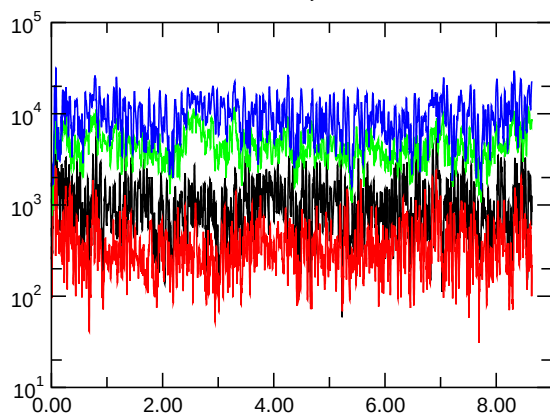
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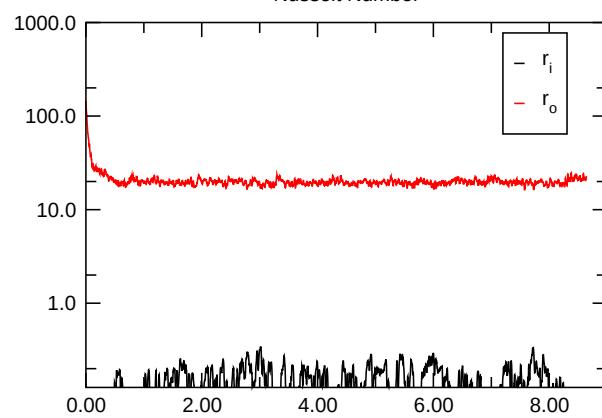
$E_{\text{kin,symm.}}$



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



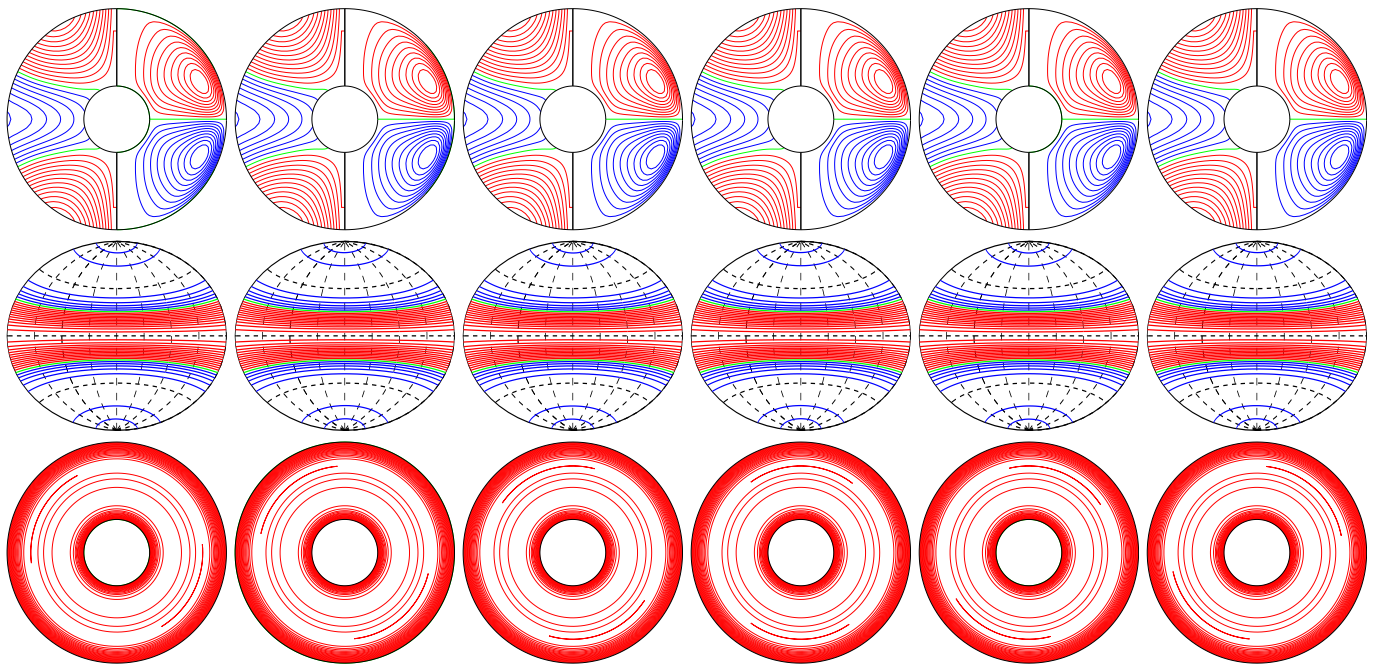
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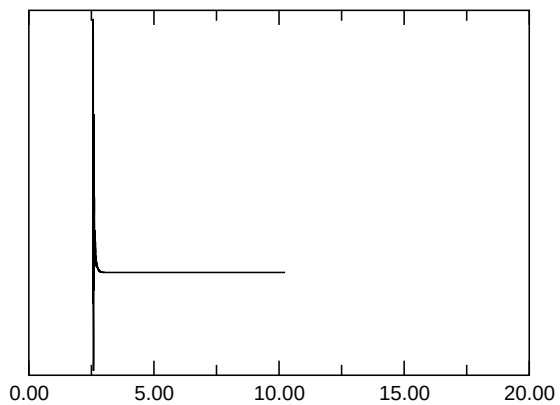
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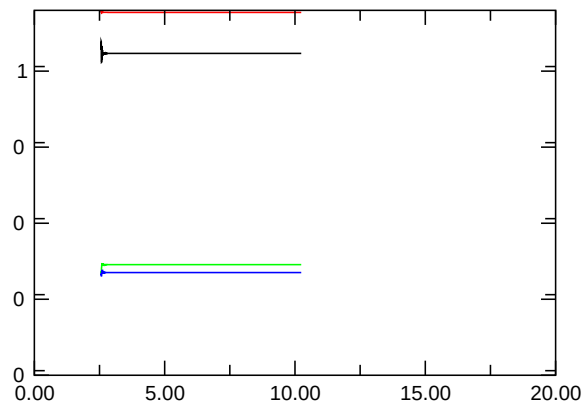
July 16, 2015



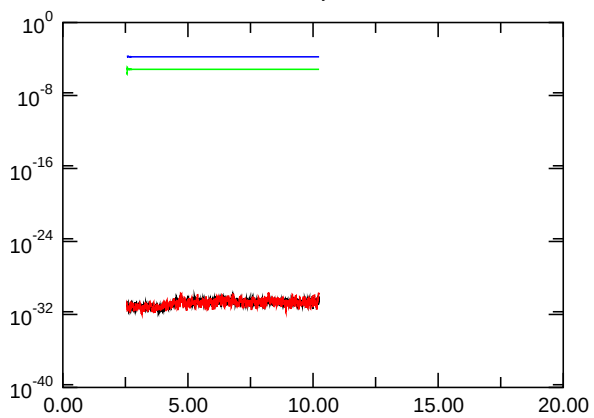
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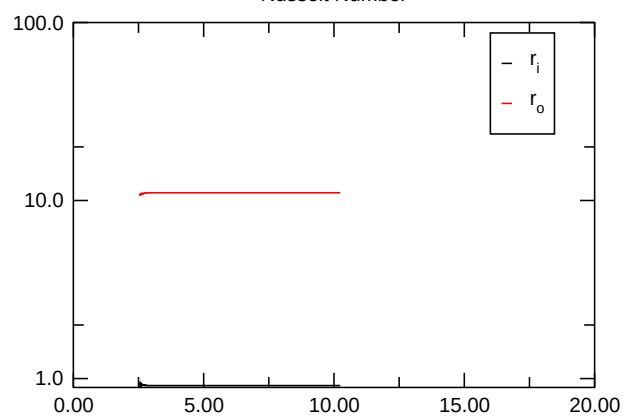
$E_{\text{kin,symm.}}$



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



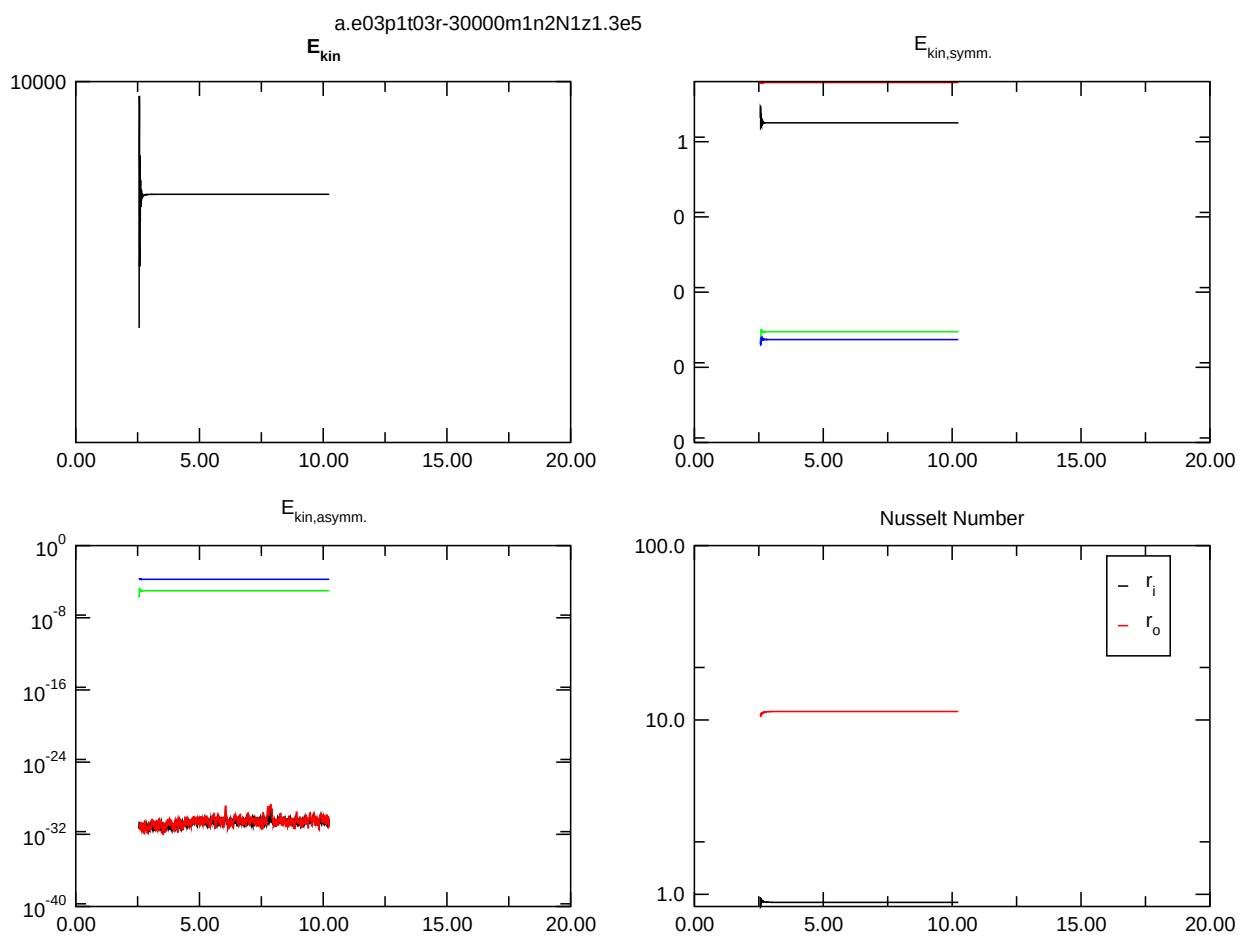
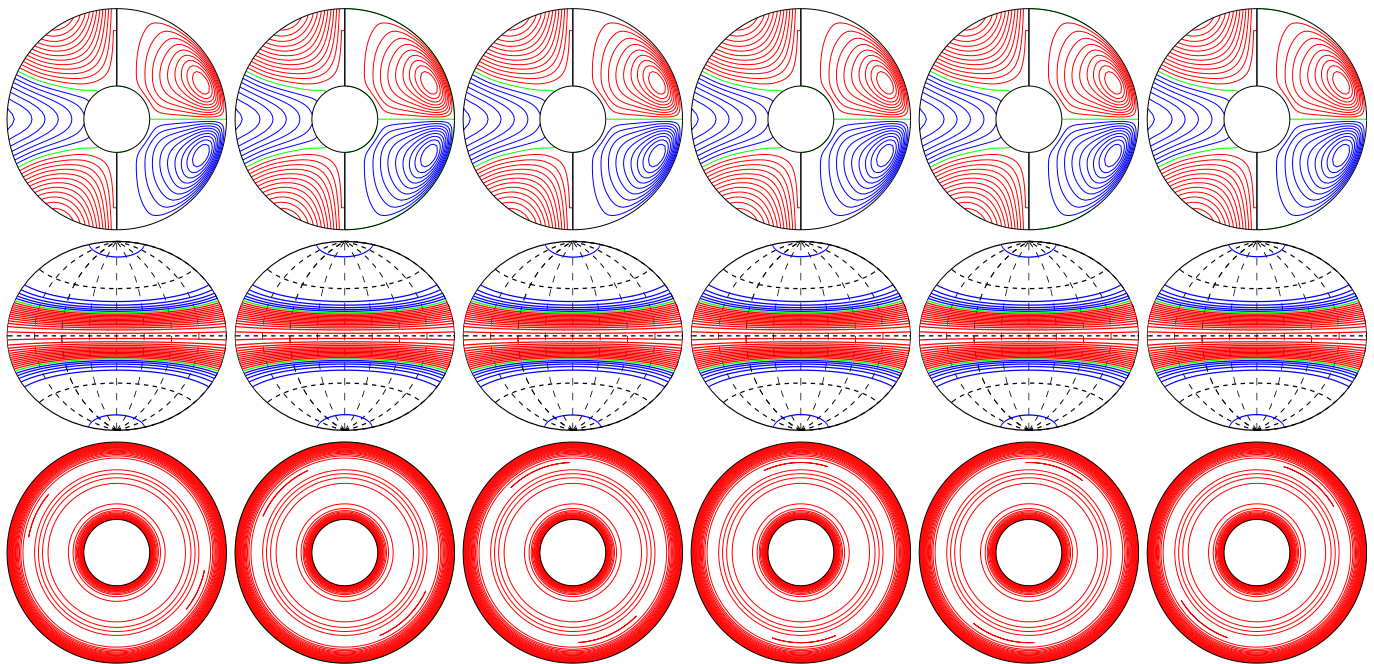
Nusselt Number



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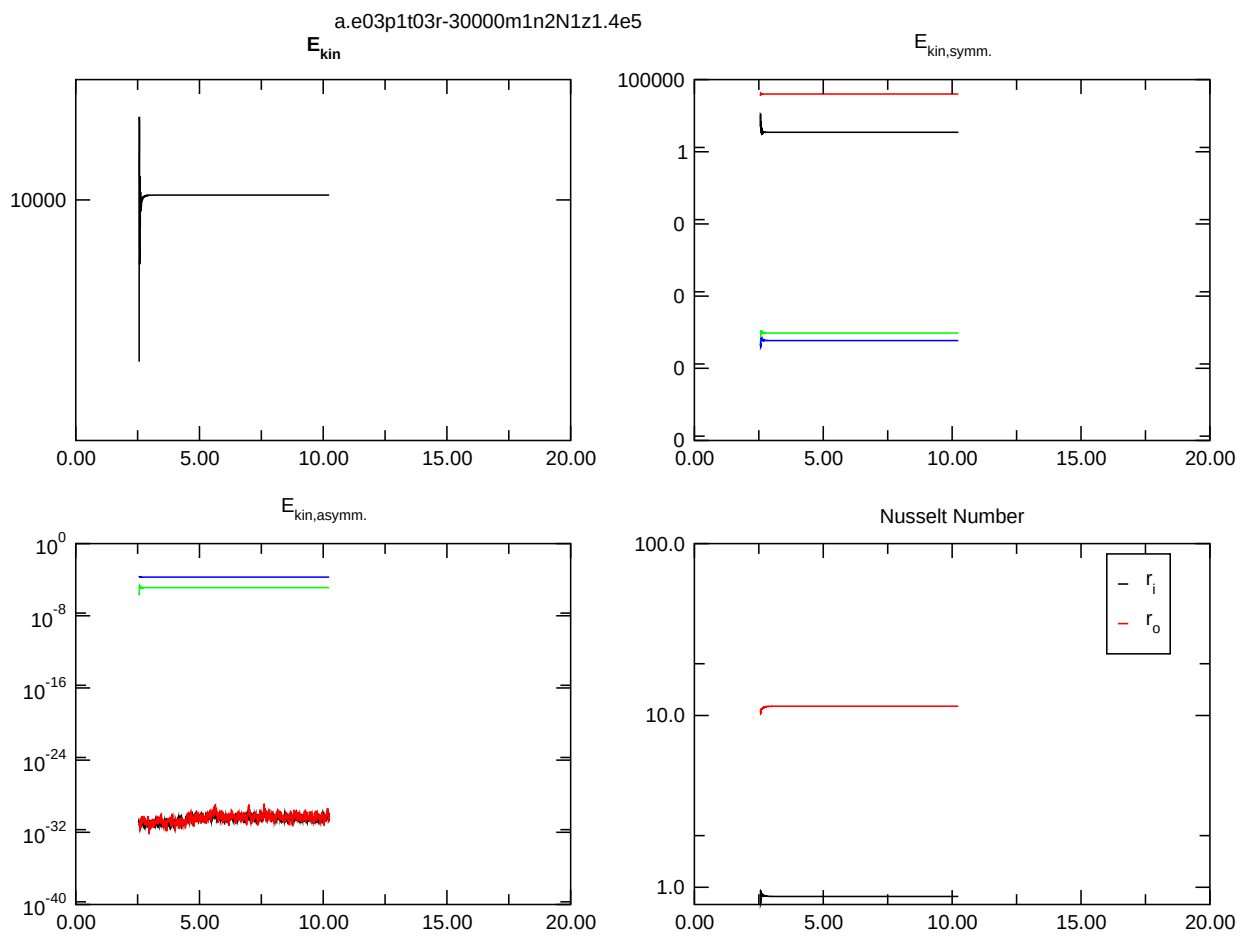
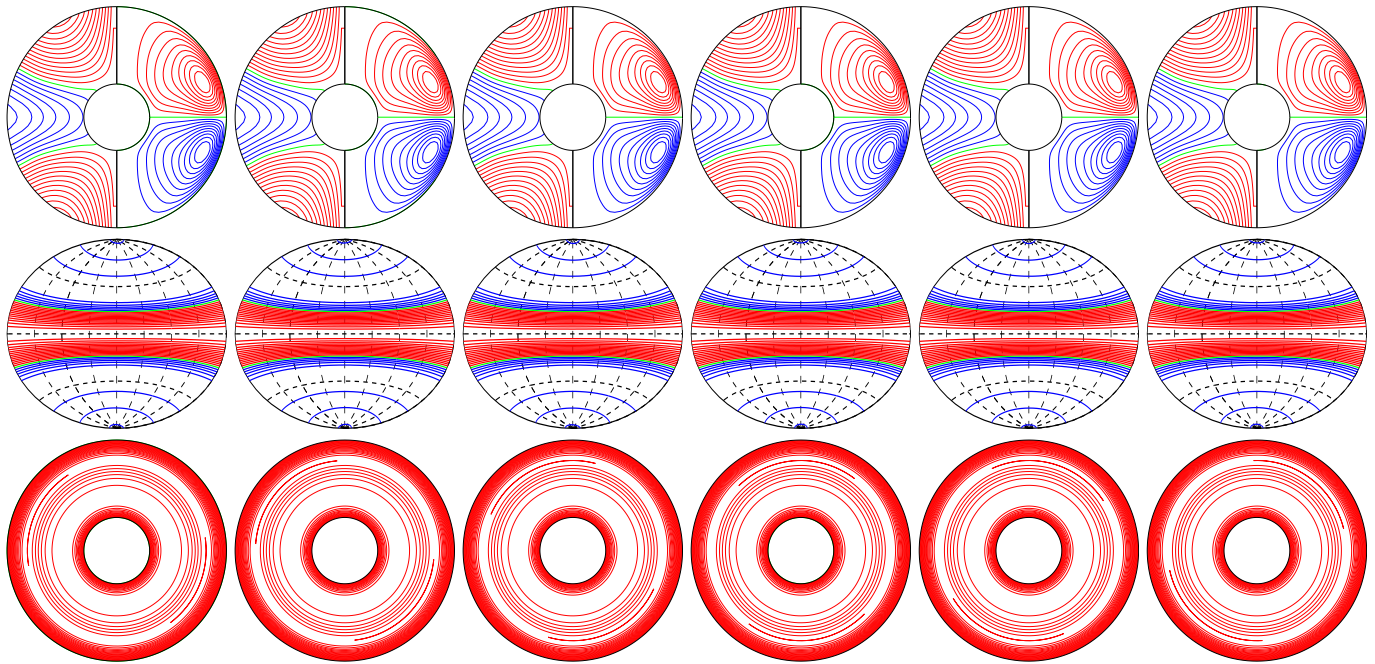
July 16, 2015



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July 16, 2015

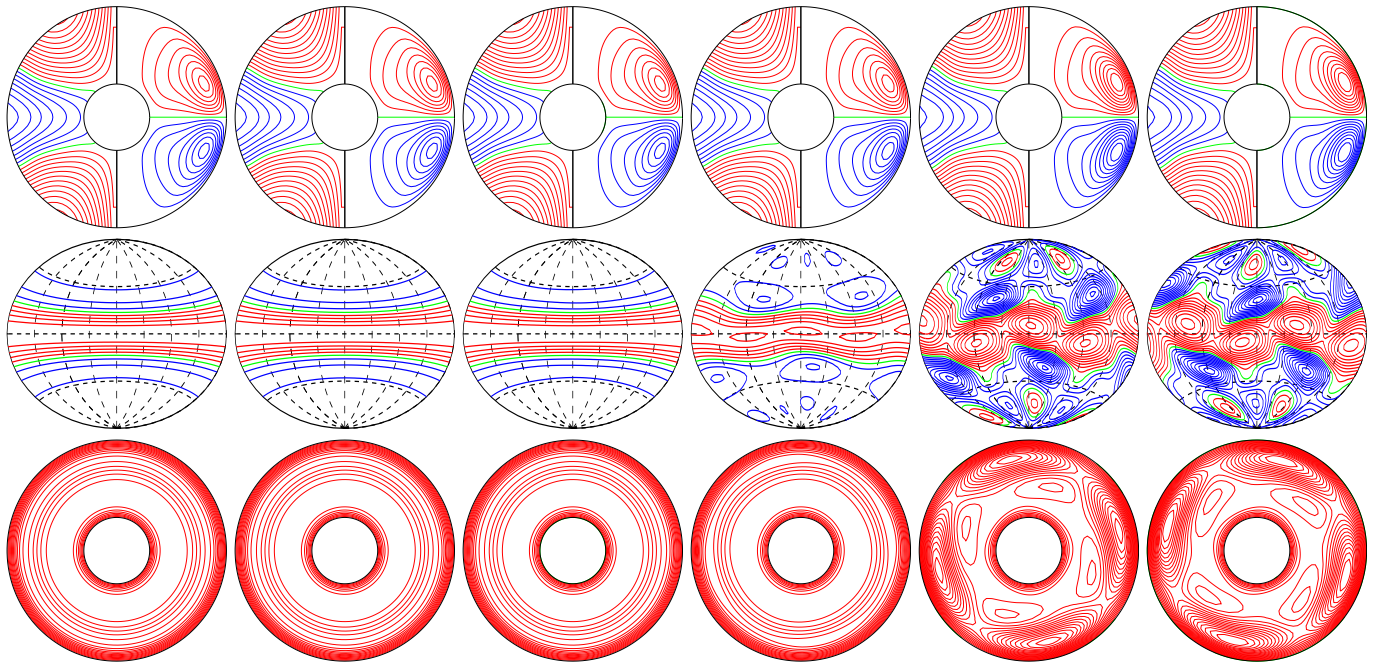




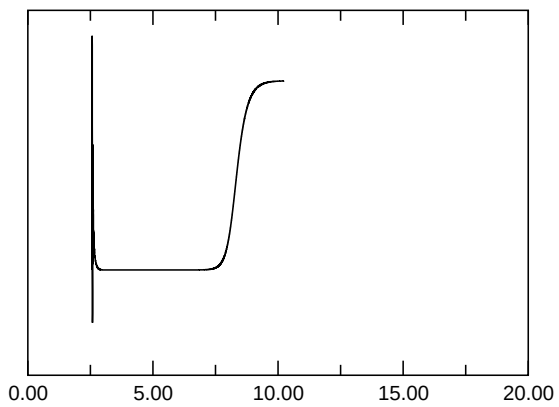
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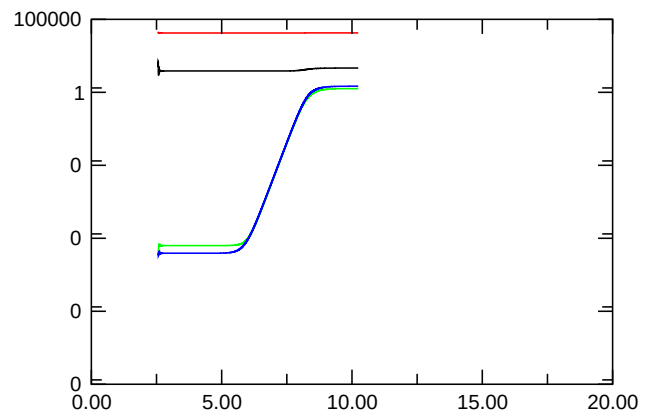
July 16, 2015



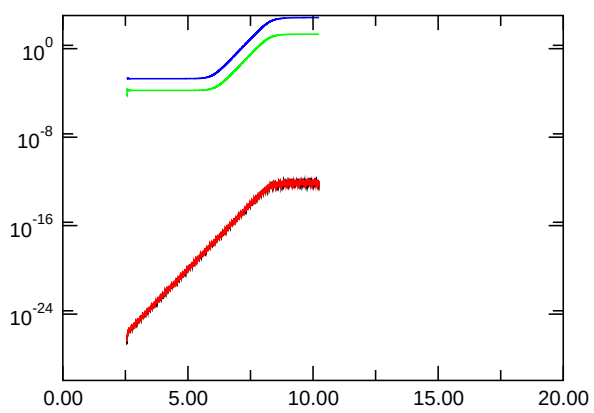
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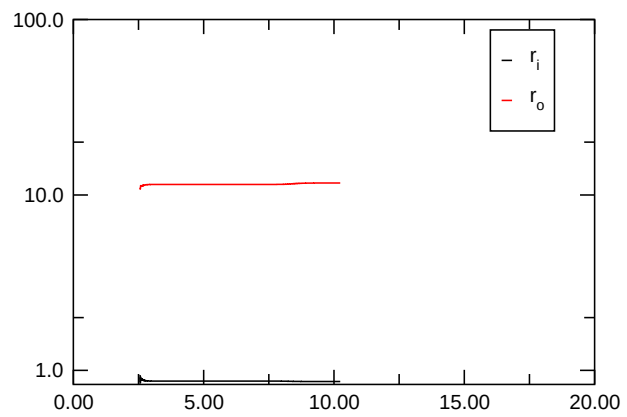
$E_{\text{kin,symm.}}$



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



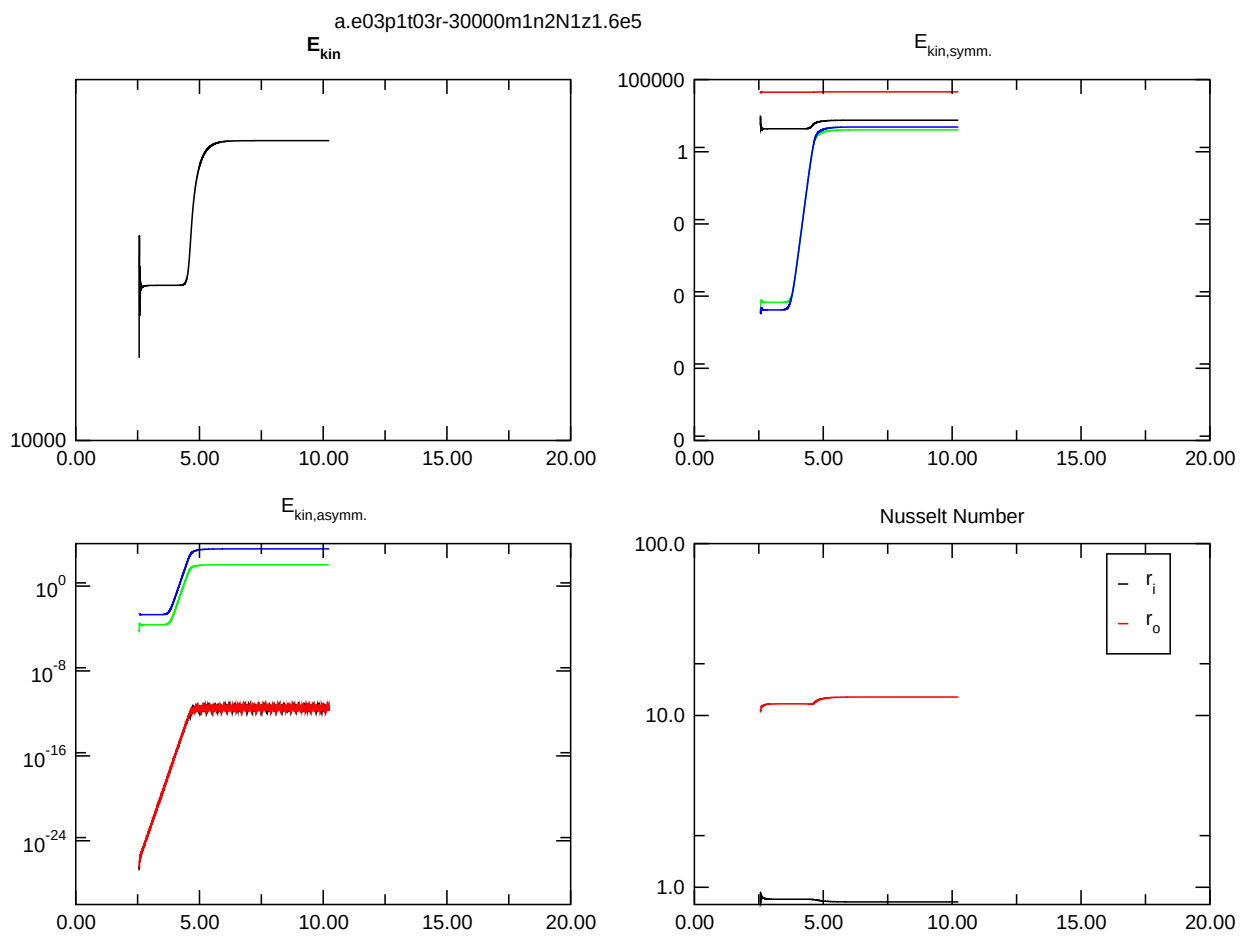
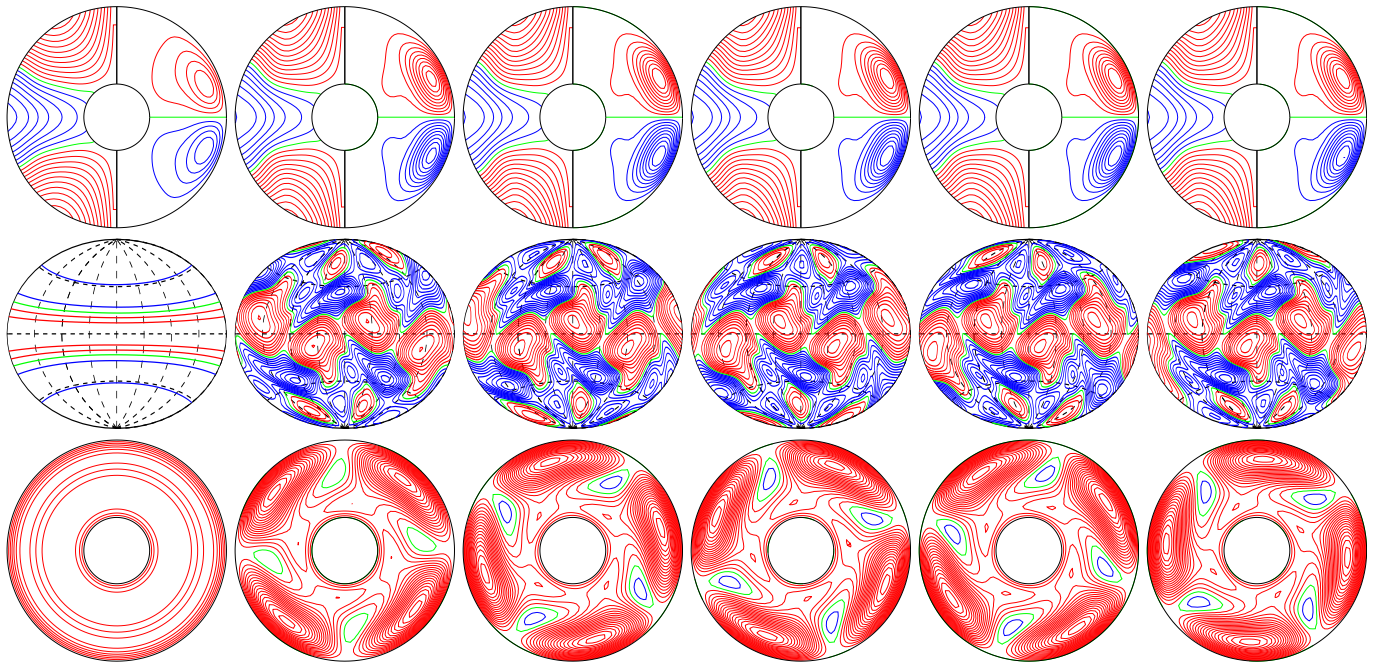
Nusselt Number



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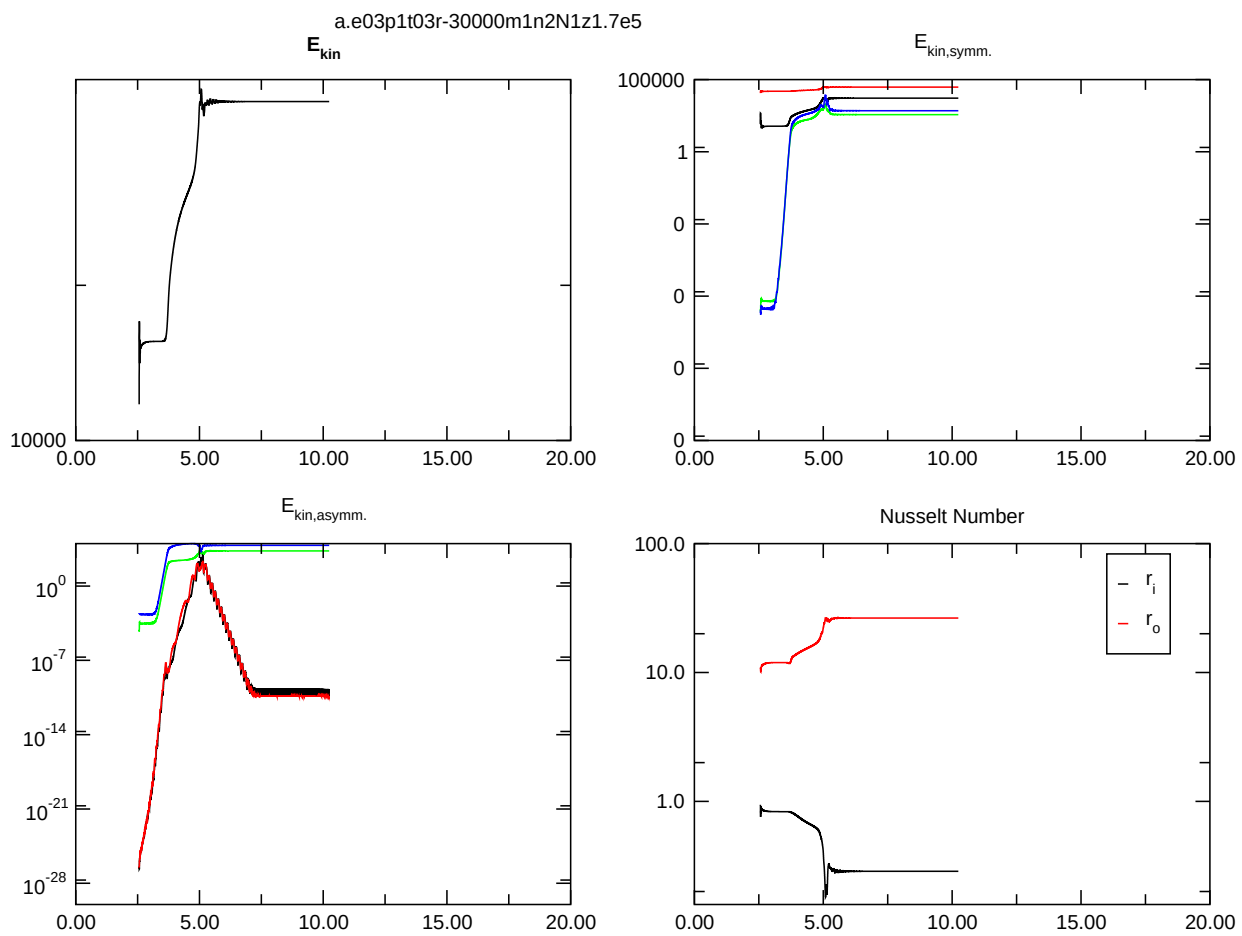
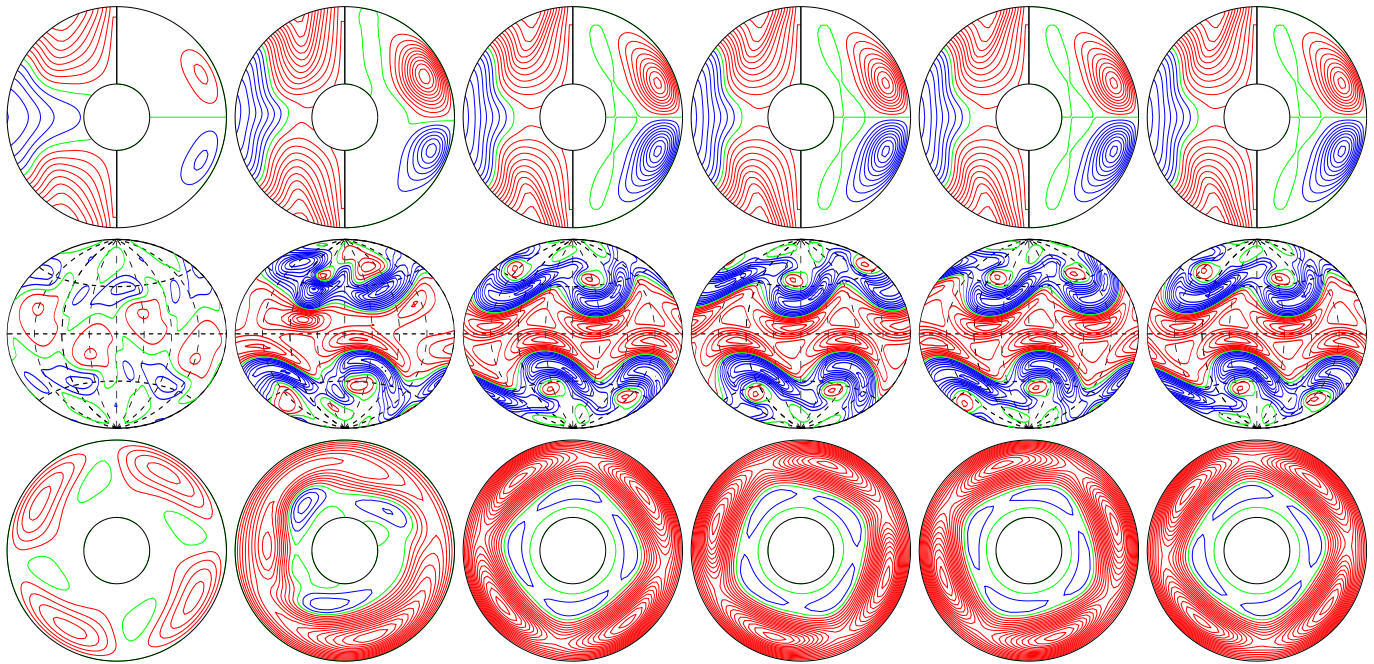
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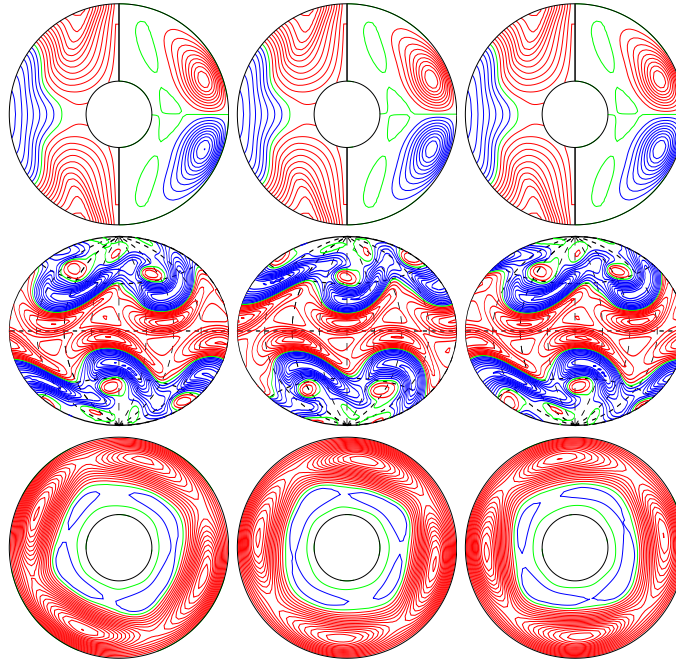
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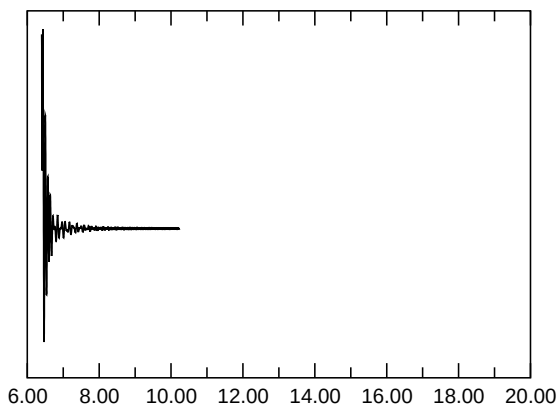


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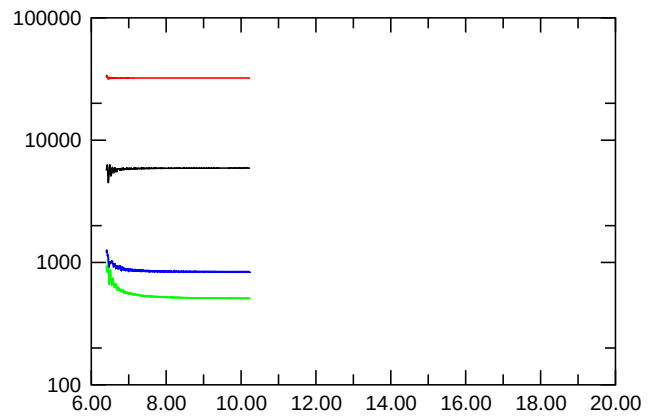
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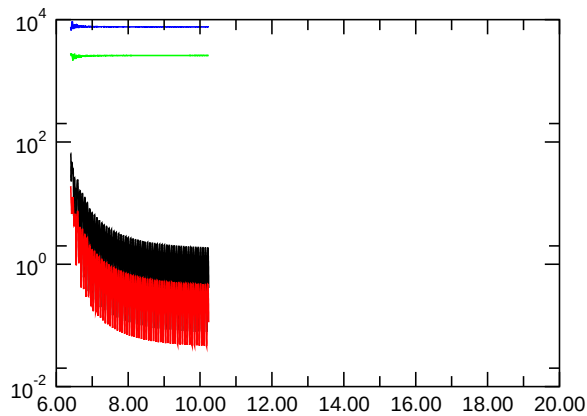
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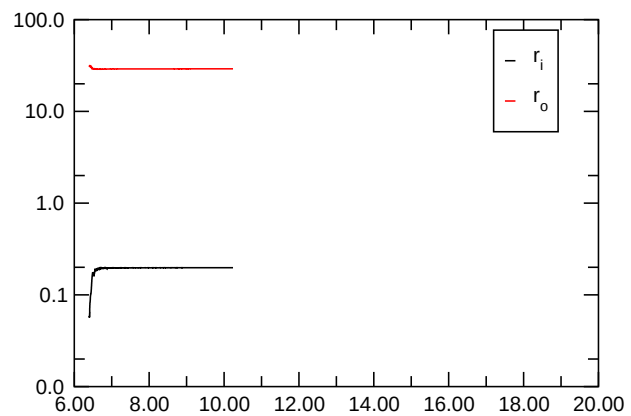
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$E_{\text{kin,asymm.}}$



Nusselt Number

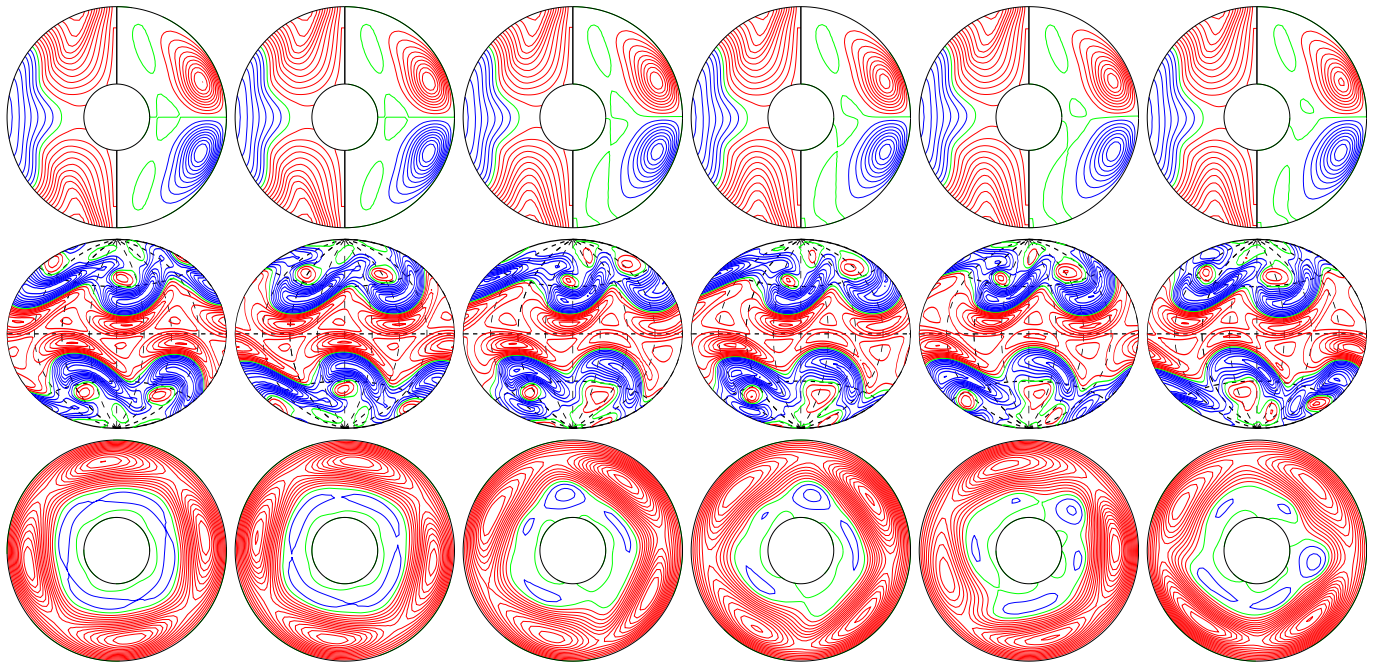




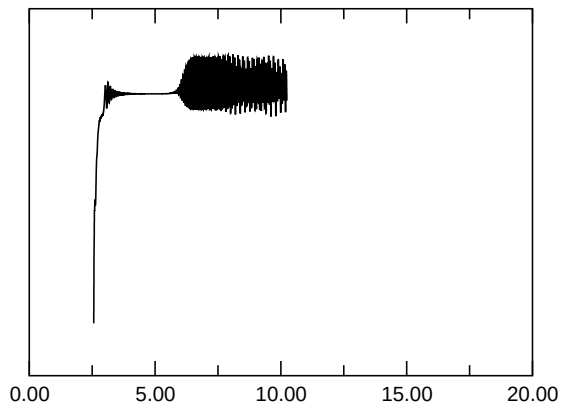
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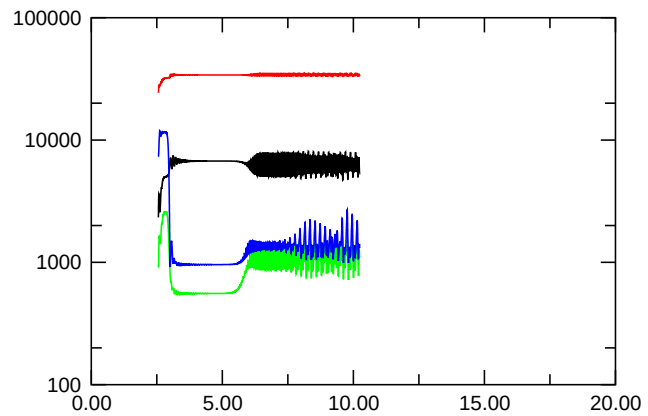
July 16, 2015



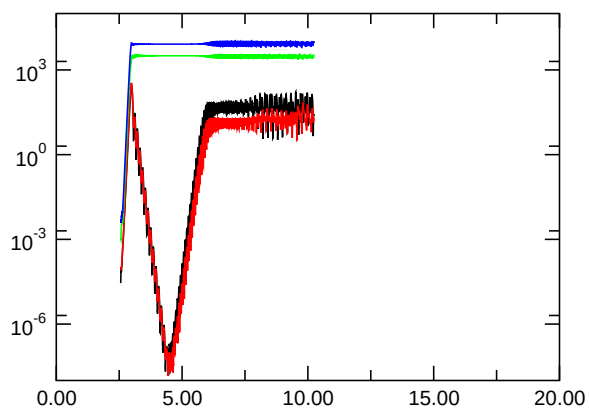
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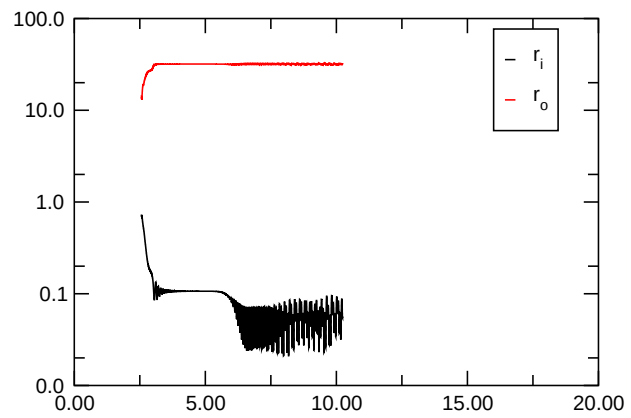
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$E_{\text{kin,asymm.}}$



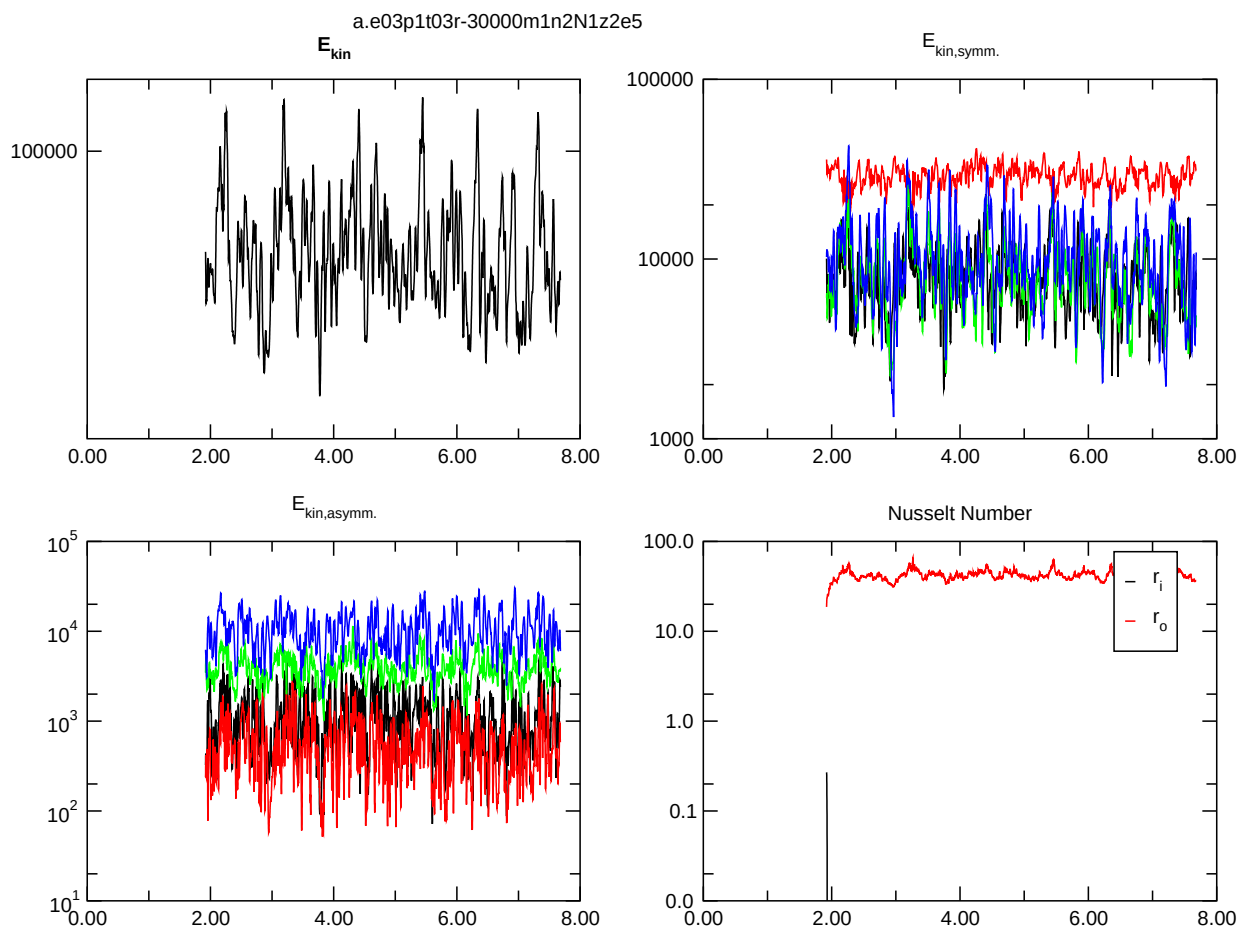
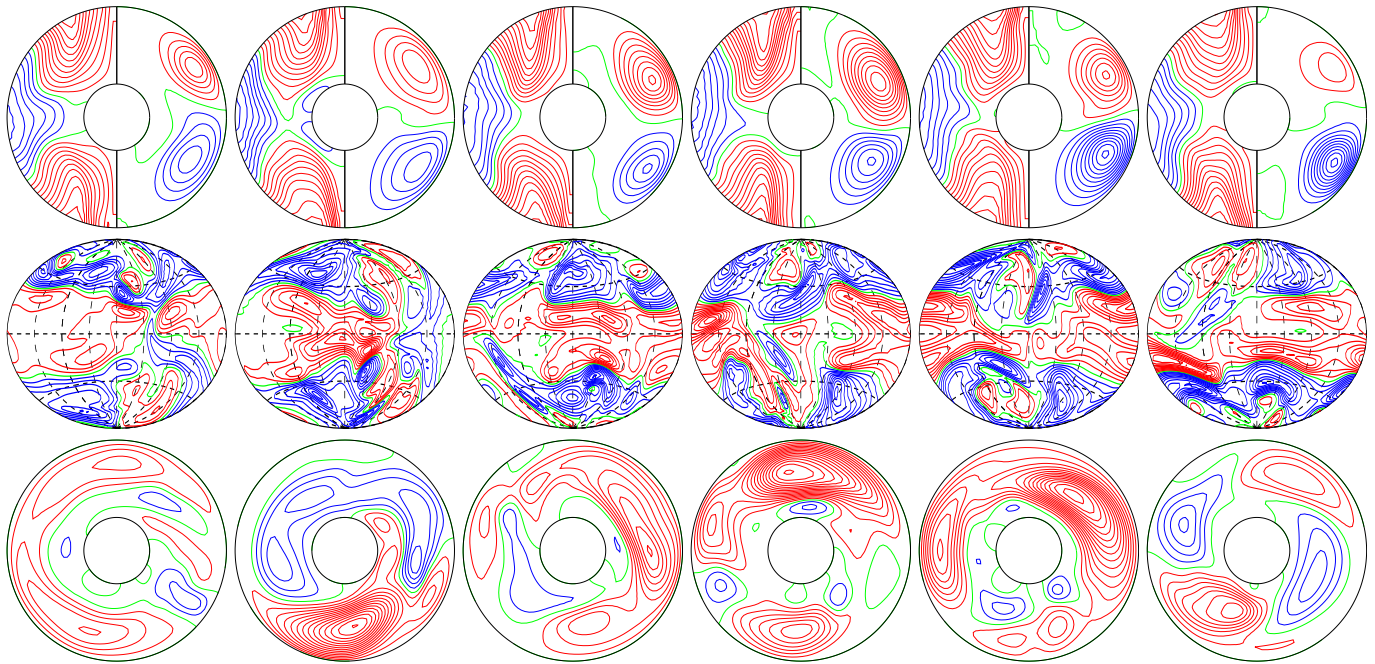
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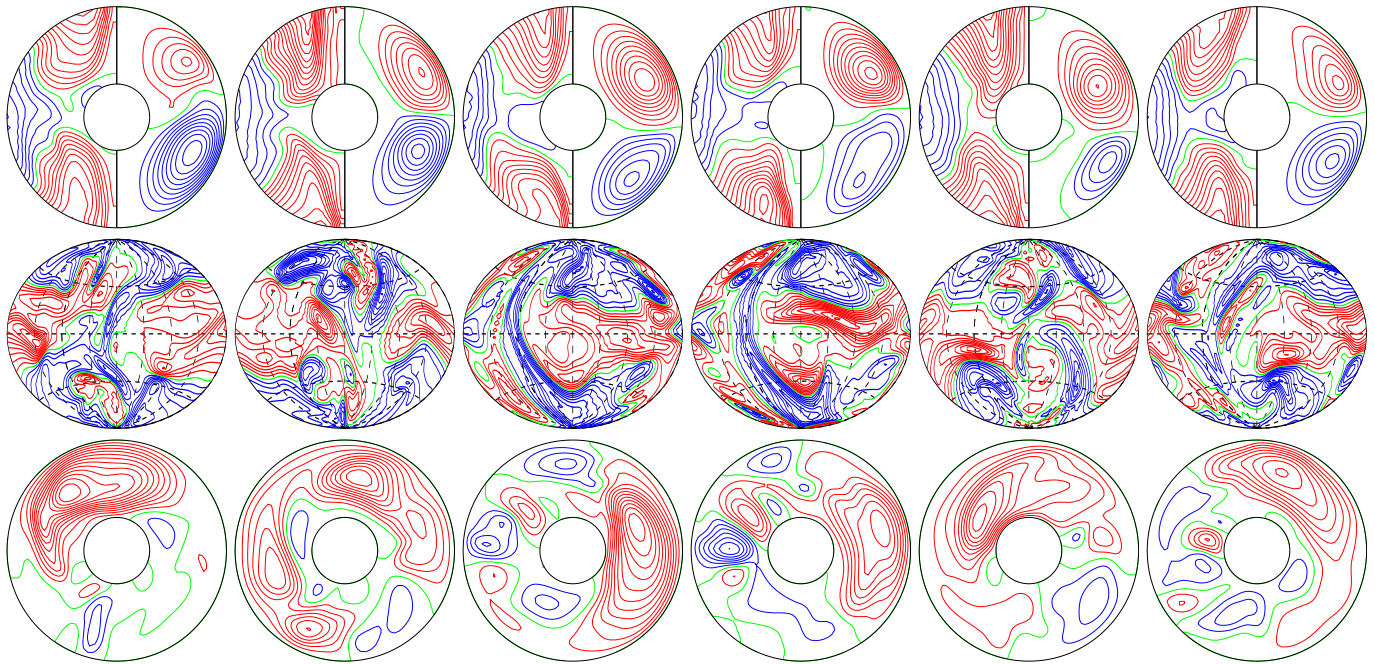
times: 2.880102 3.840103 4.800104 5.760105 6.720106 7.680107



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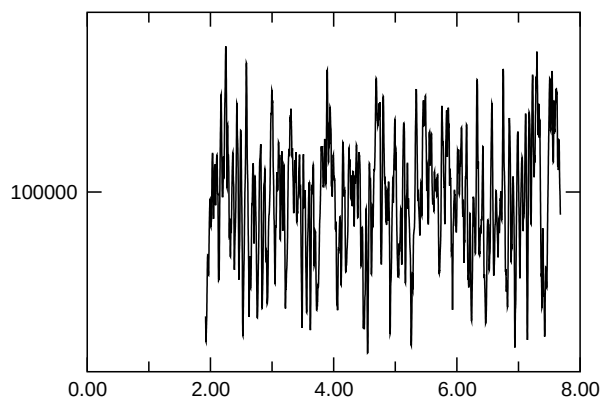
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July 16, 2015

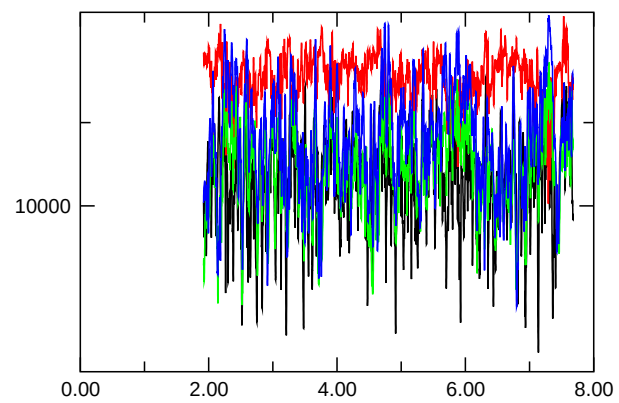


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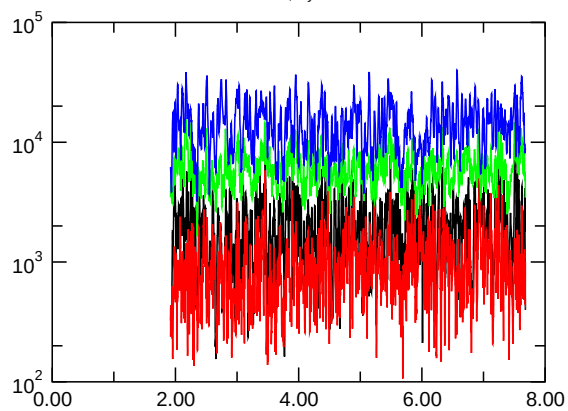
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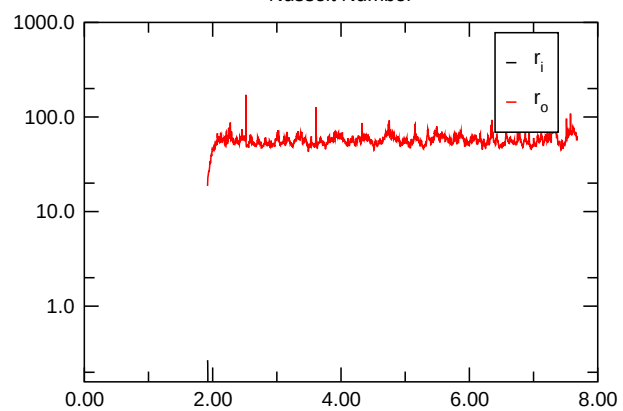
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$E_{\text{kin,asymm.}}$



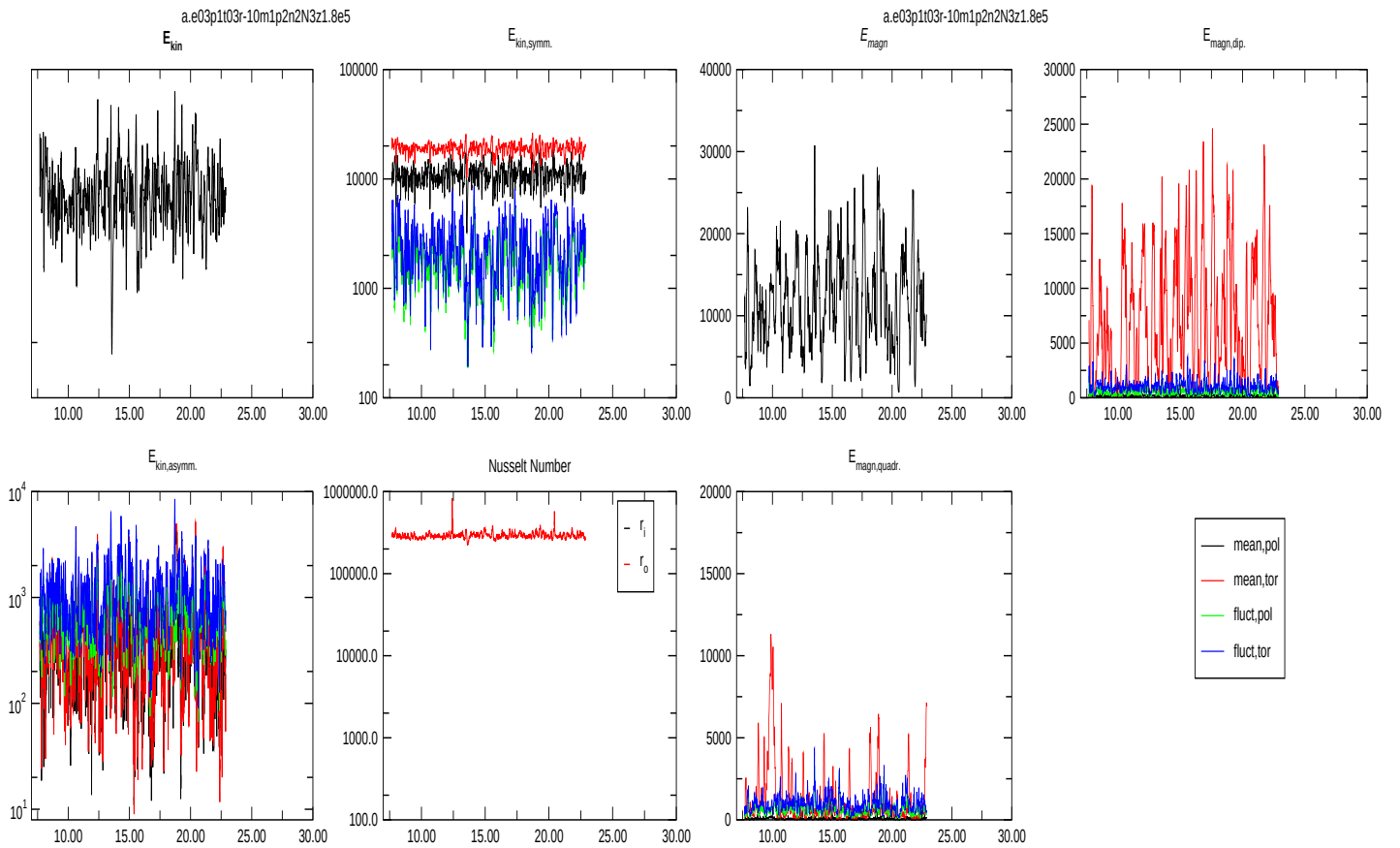
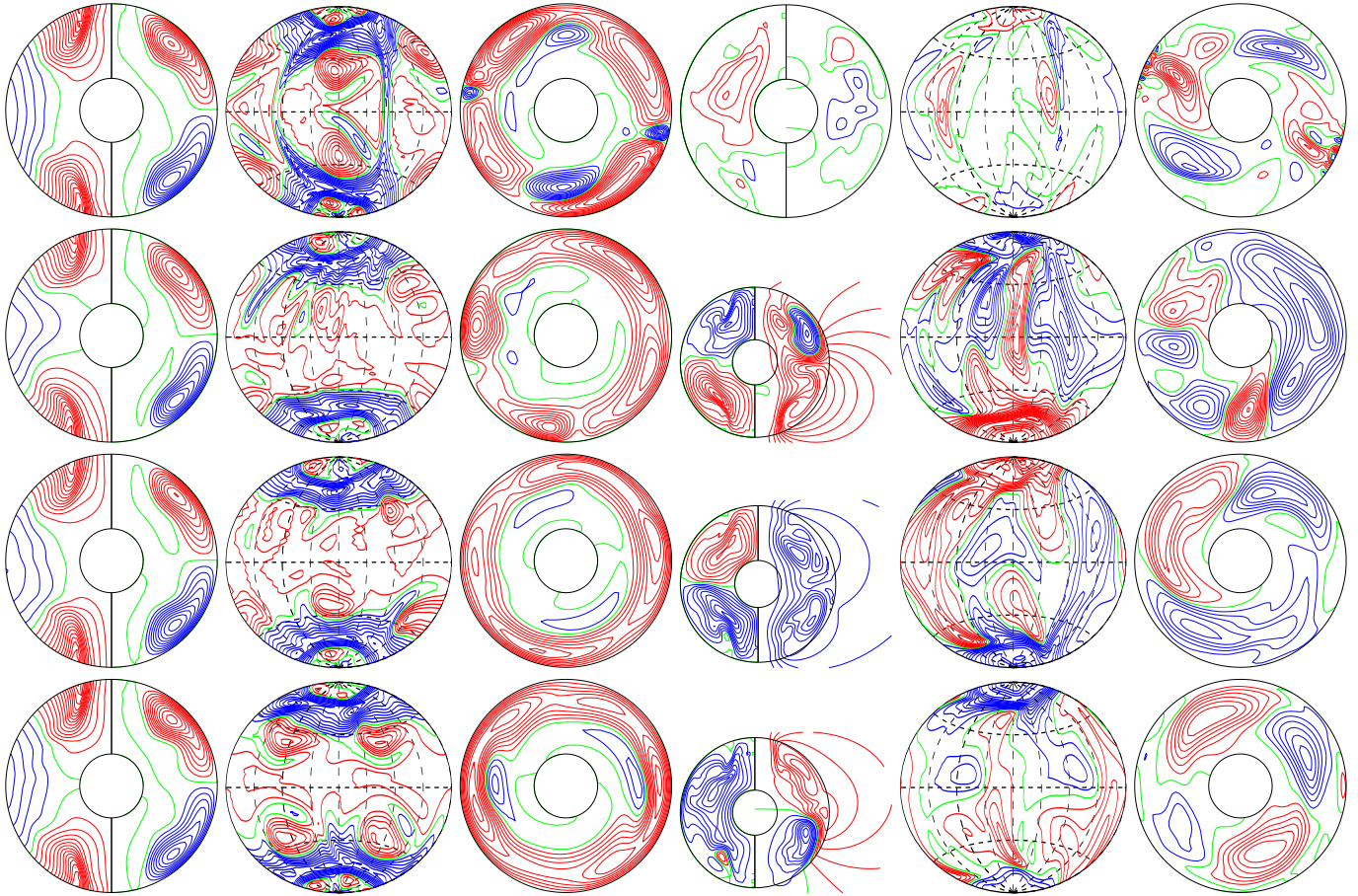
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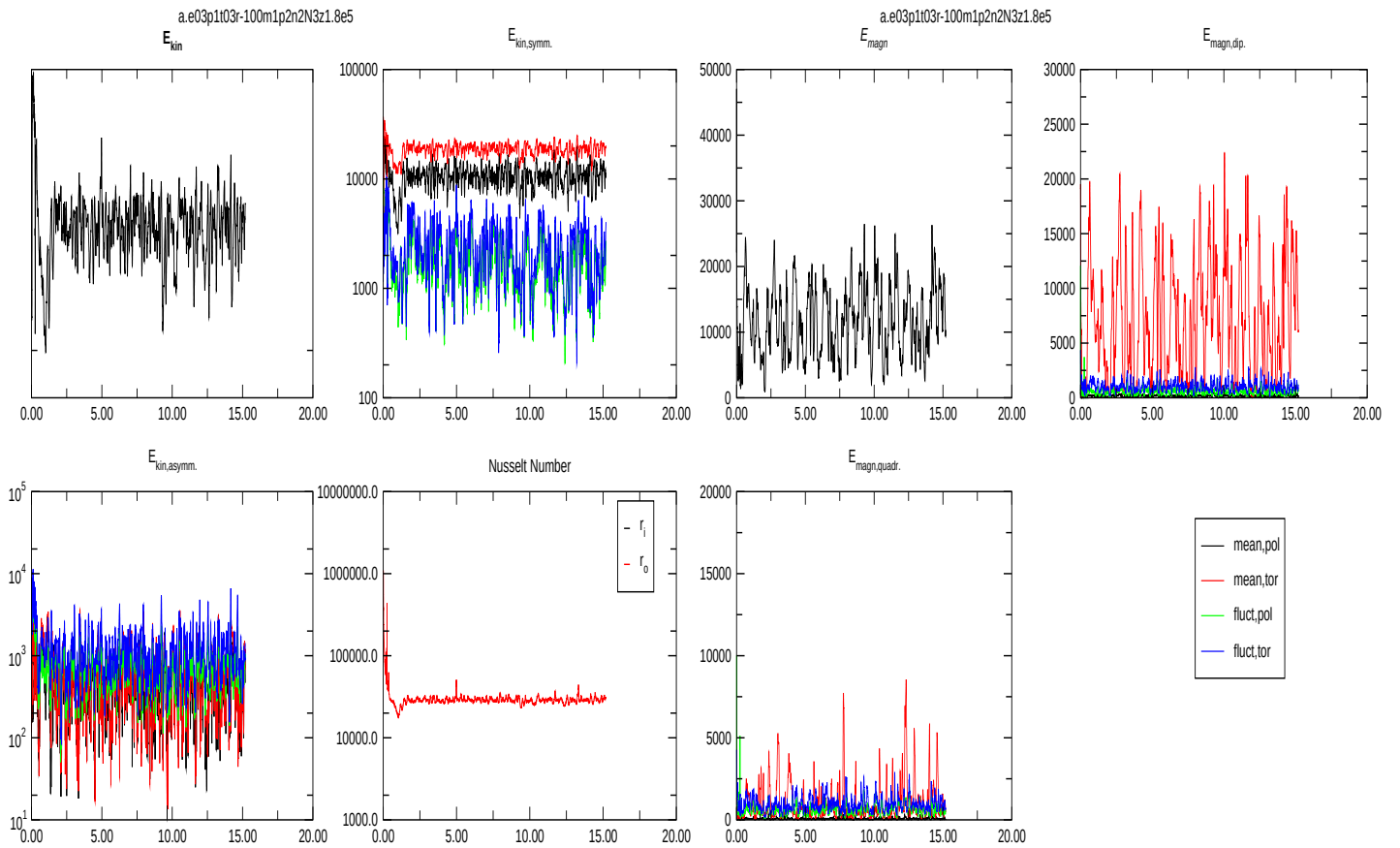
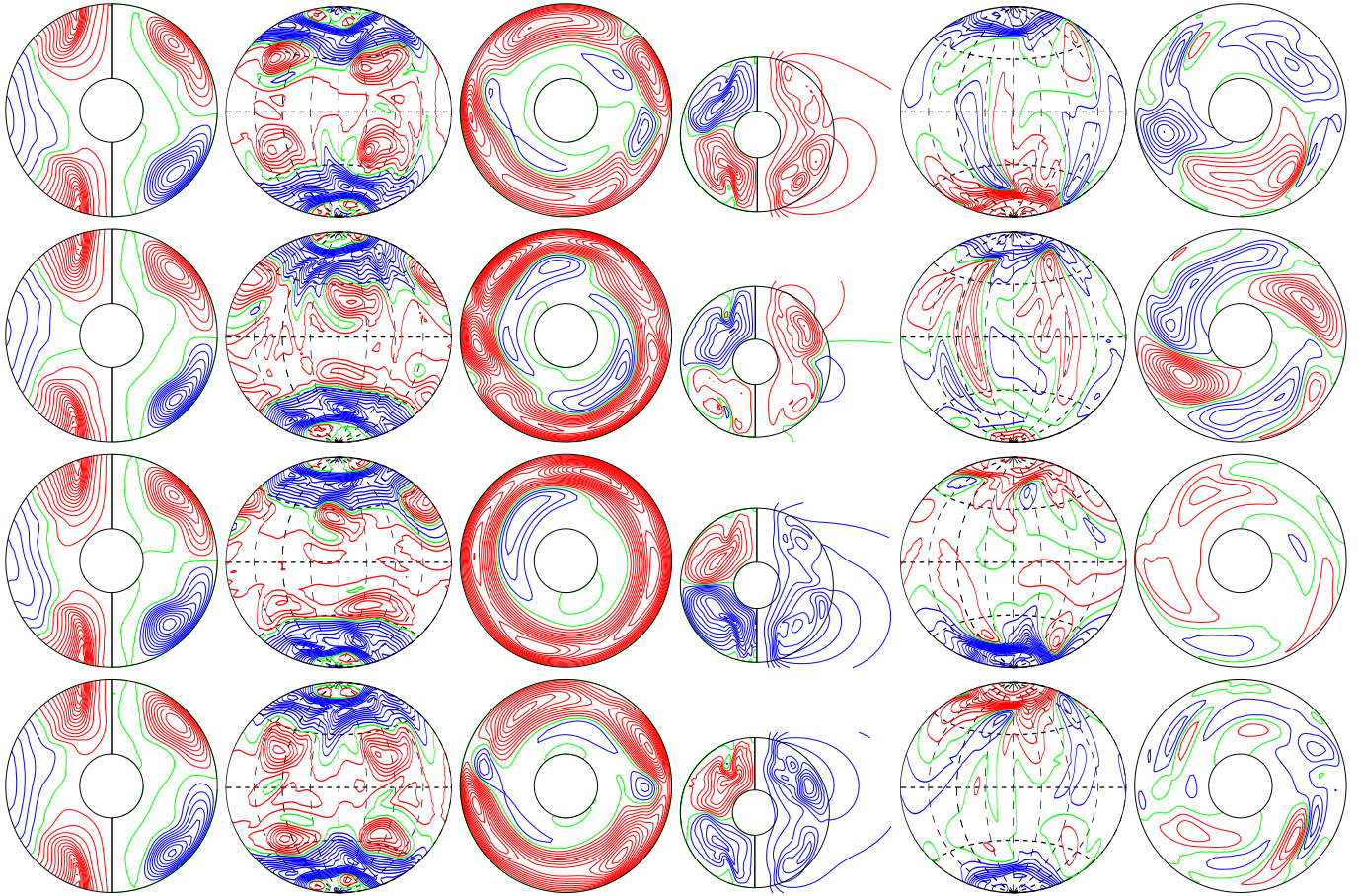
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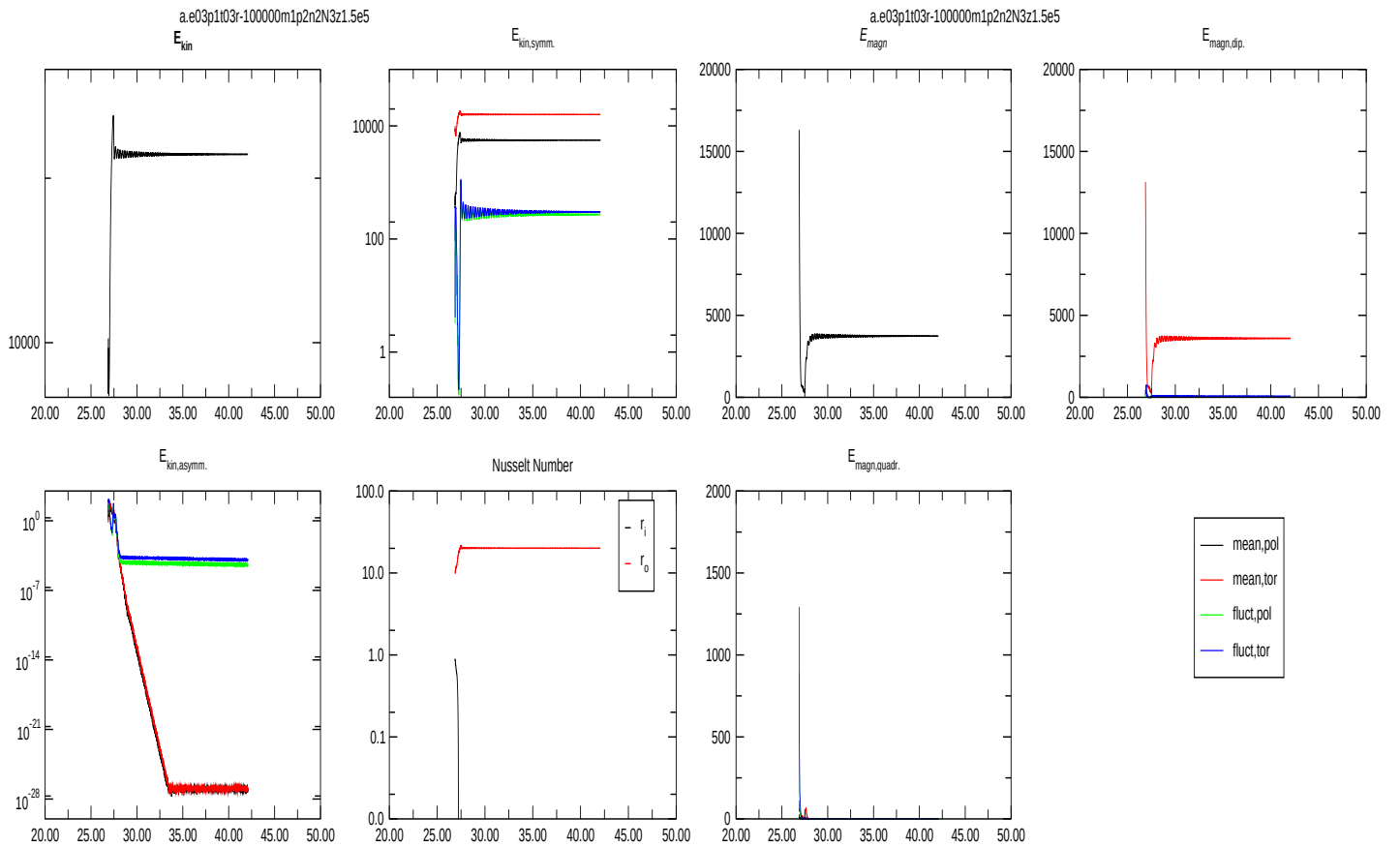
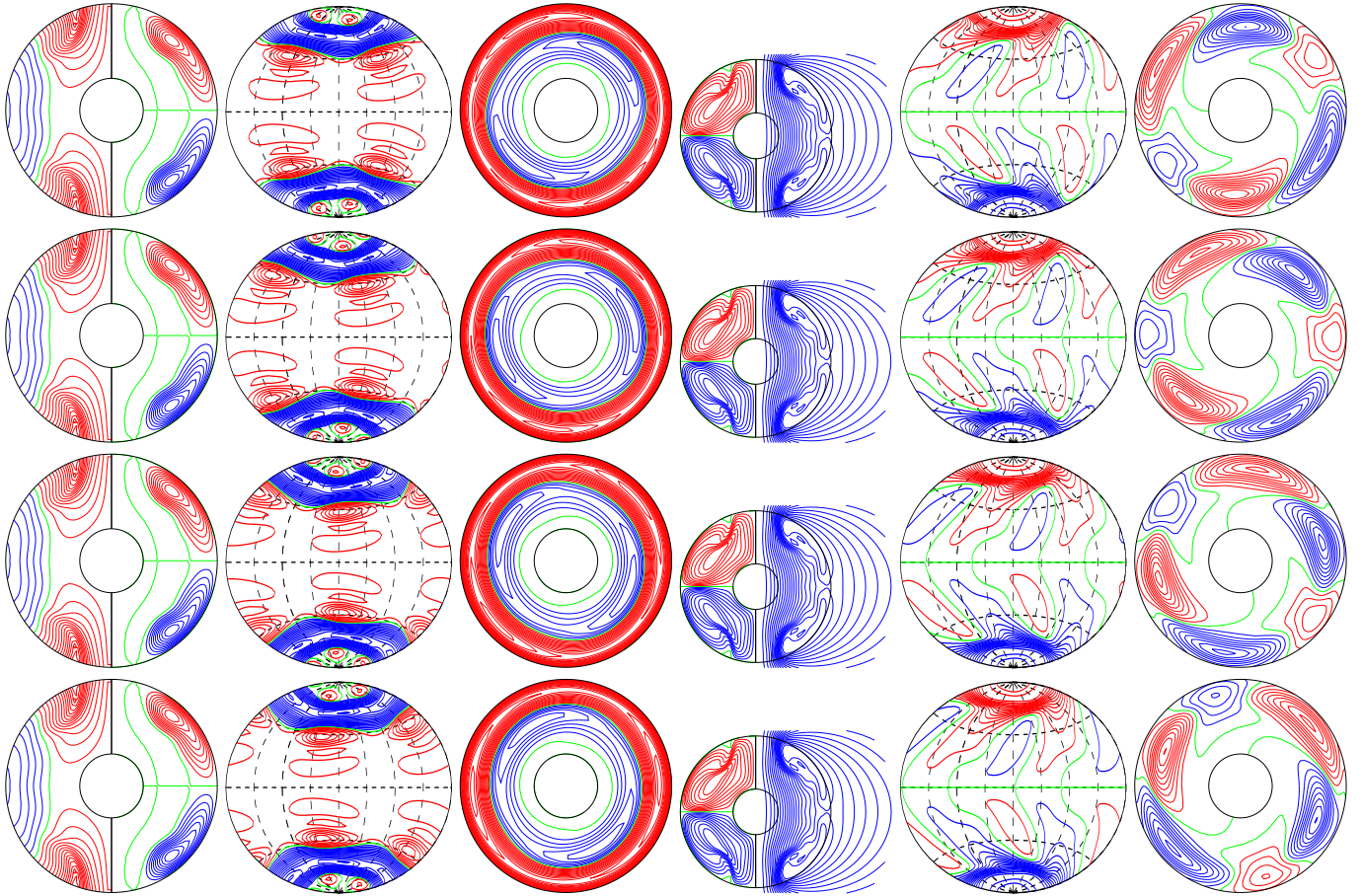
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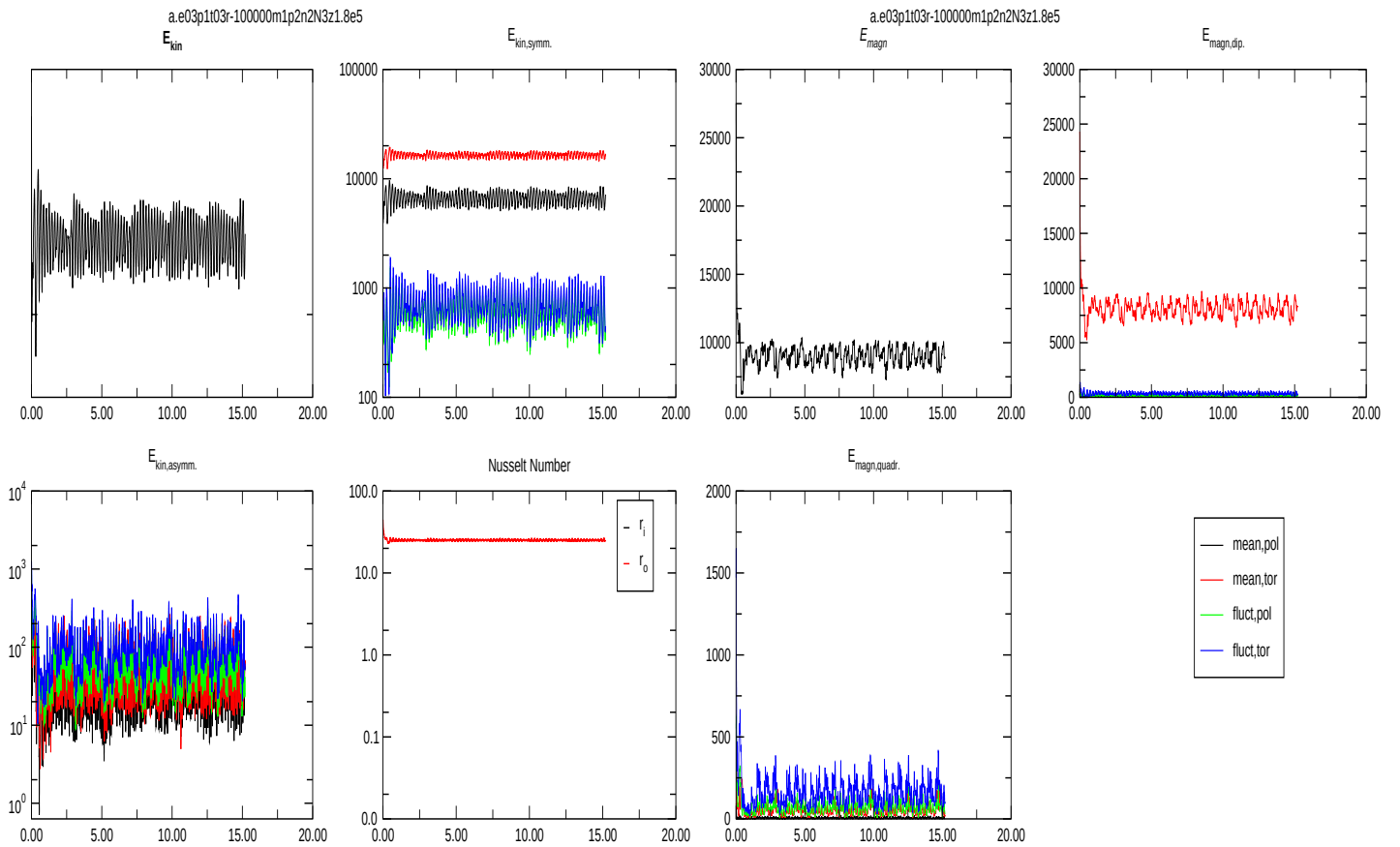
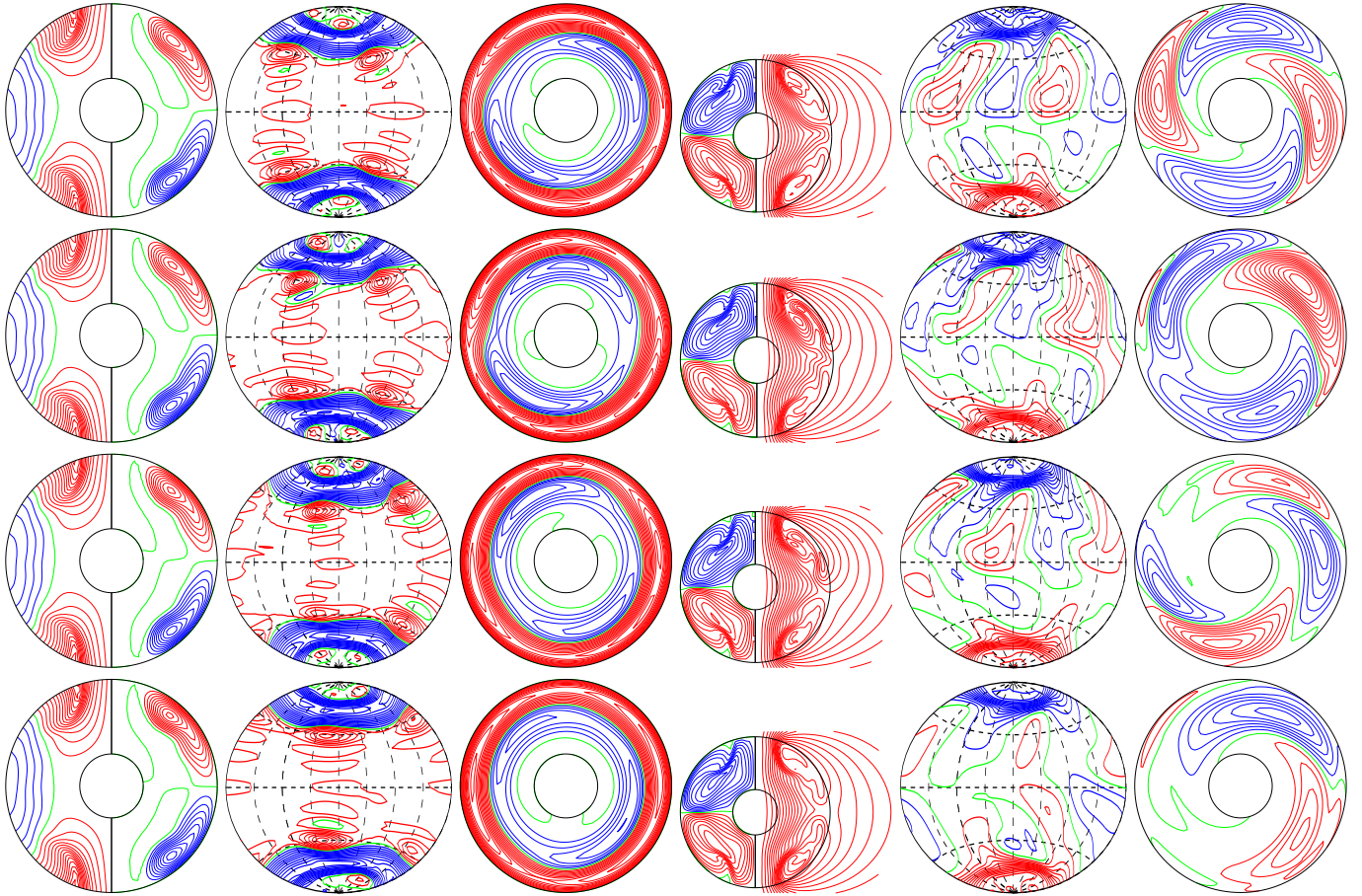
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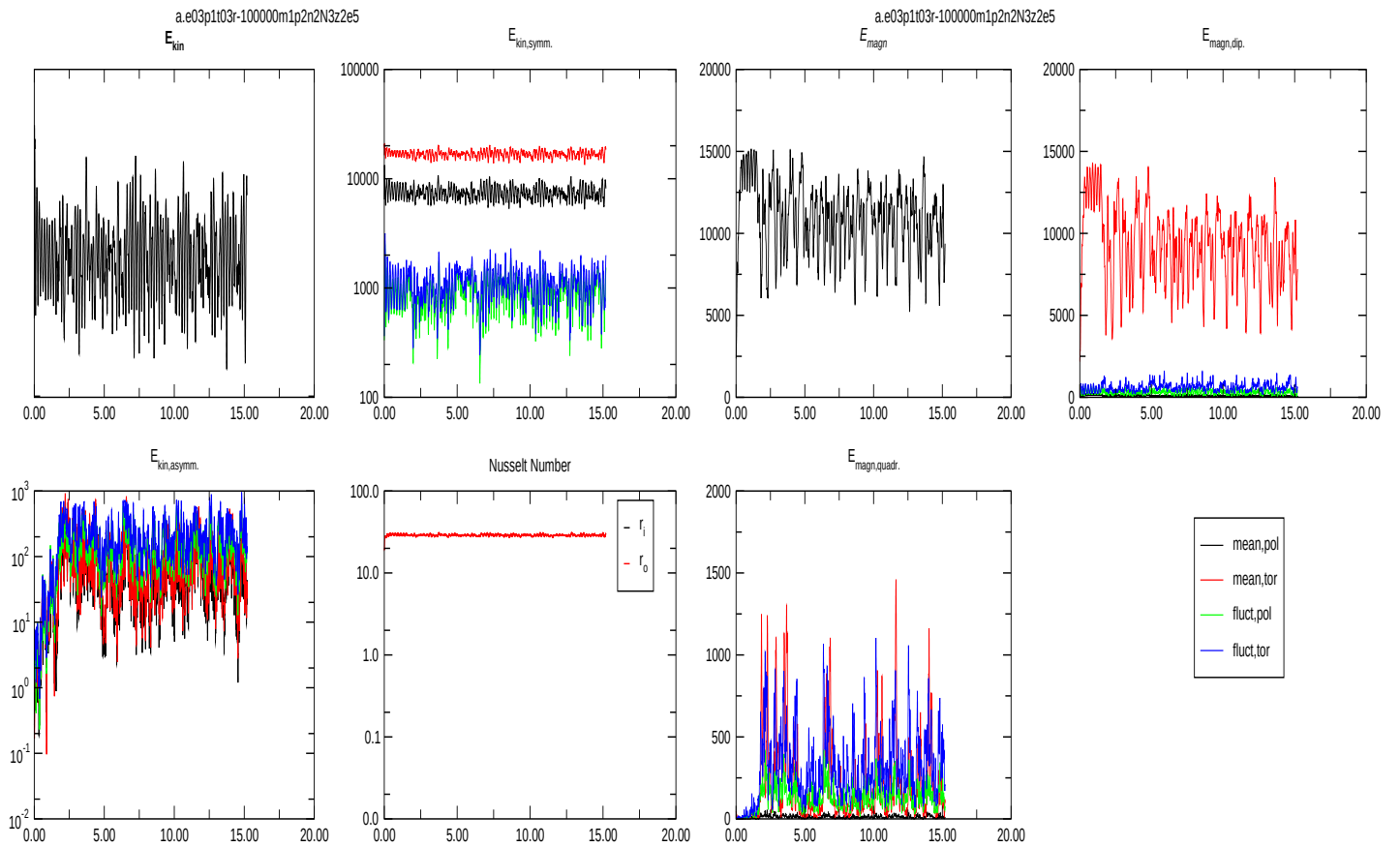
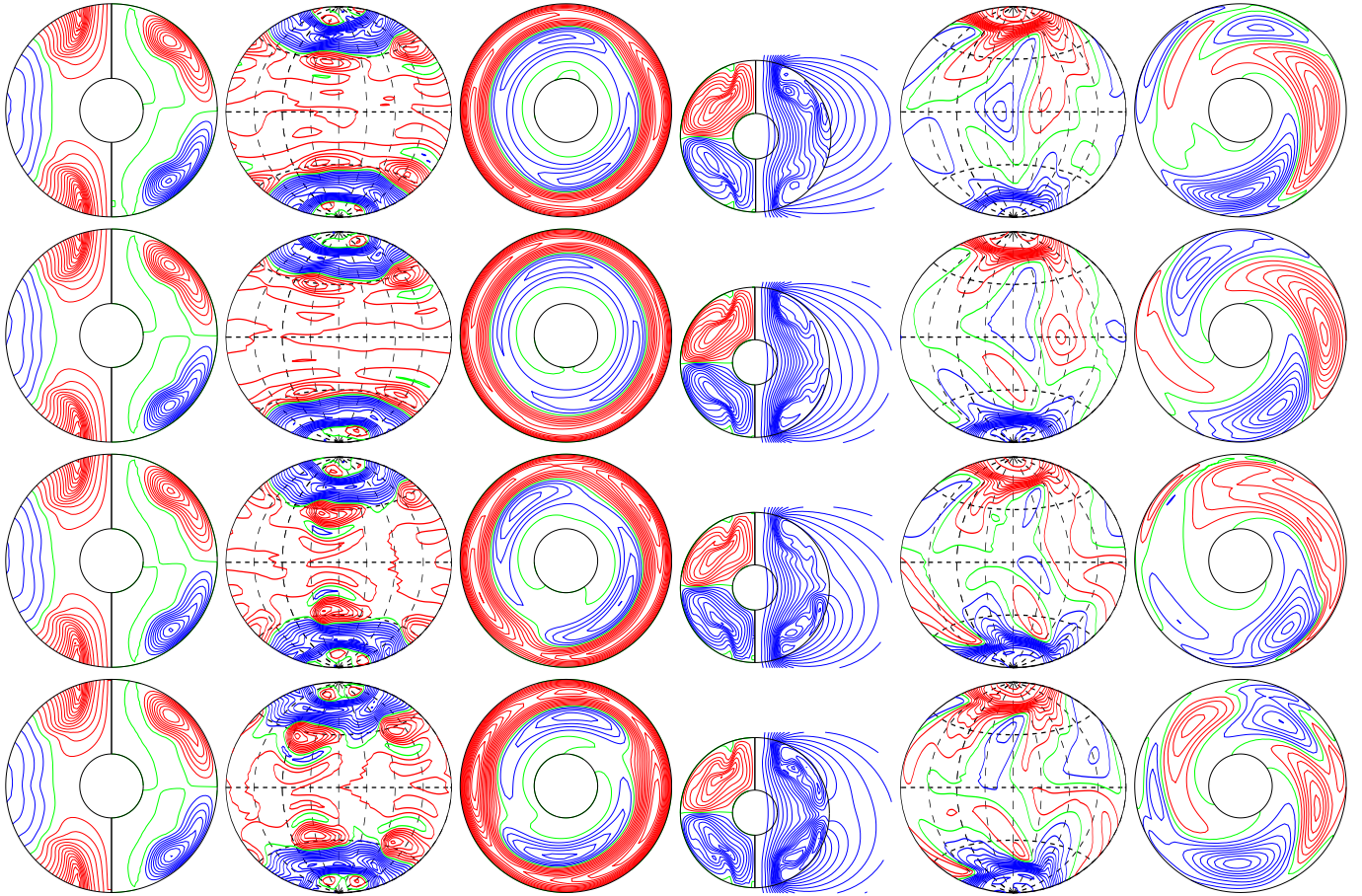
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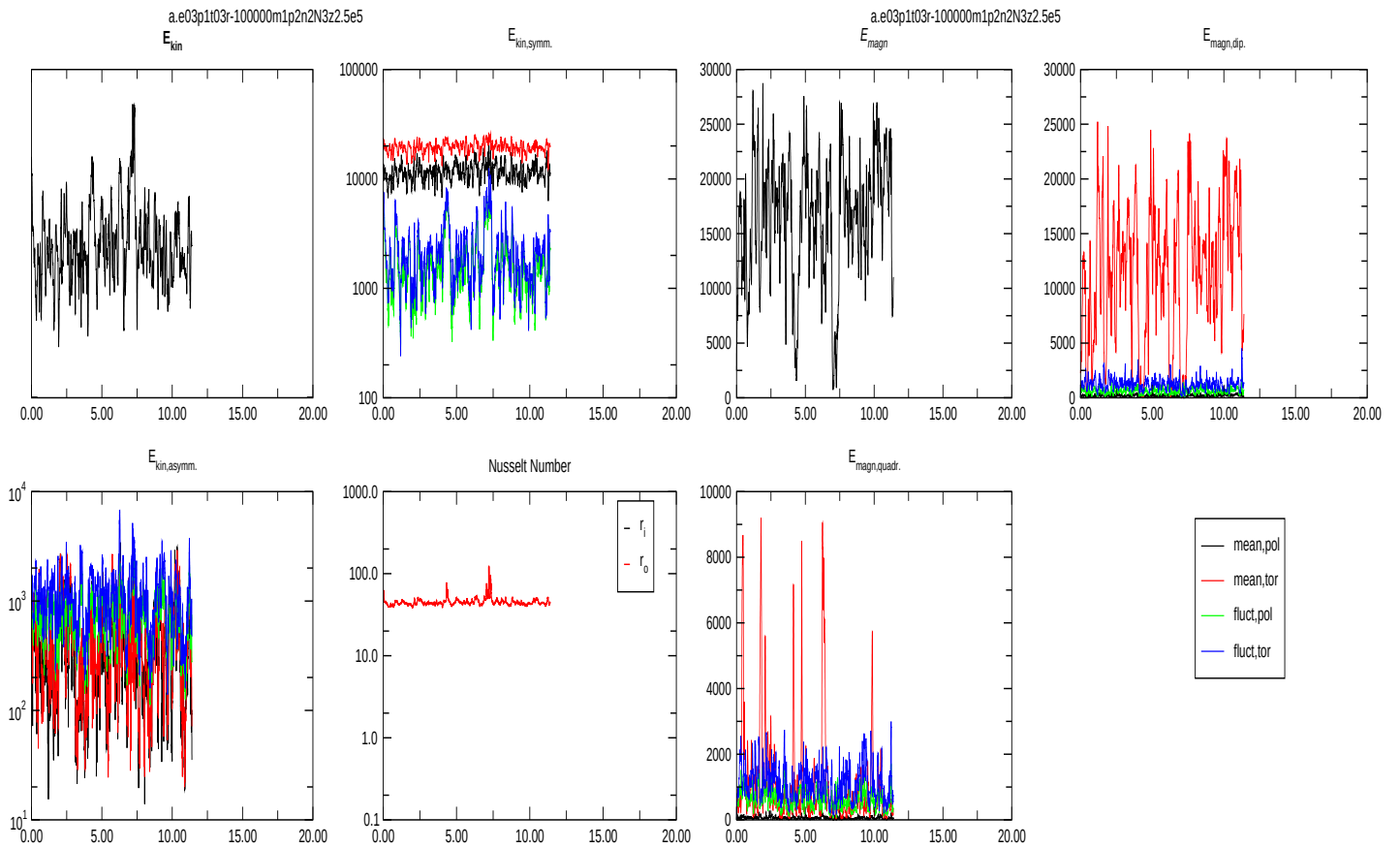
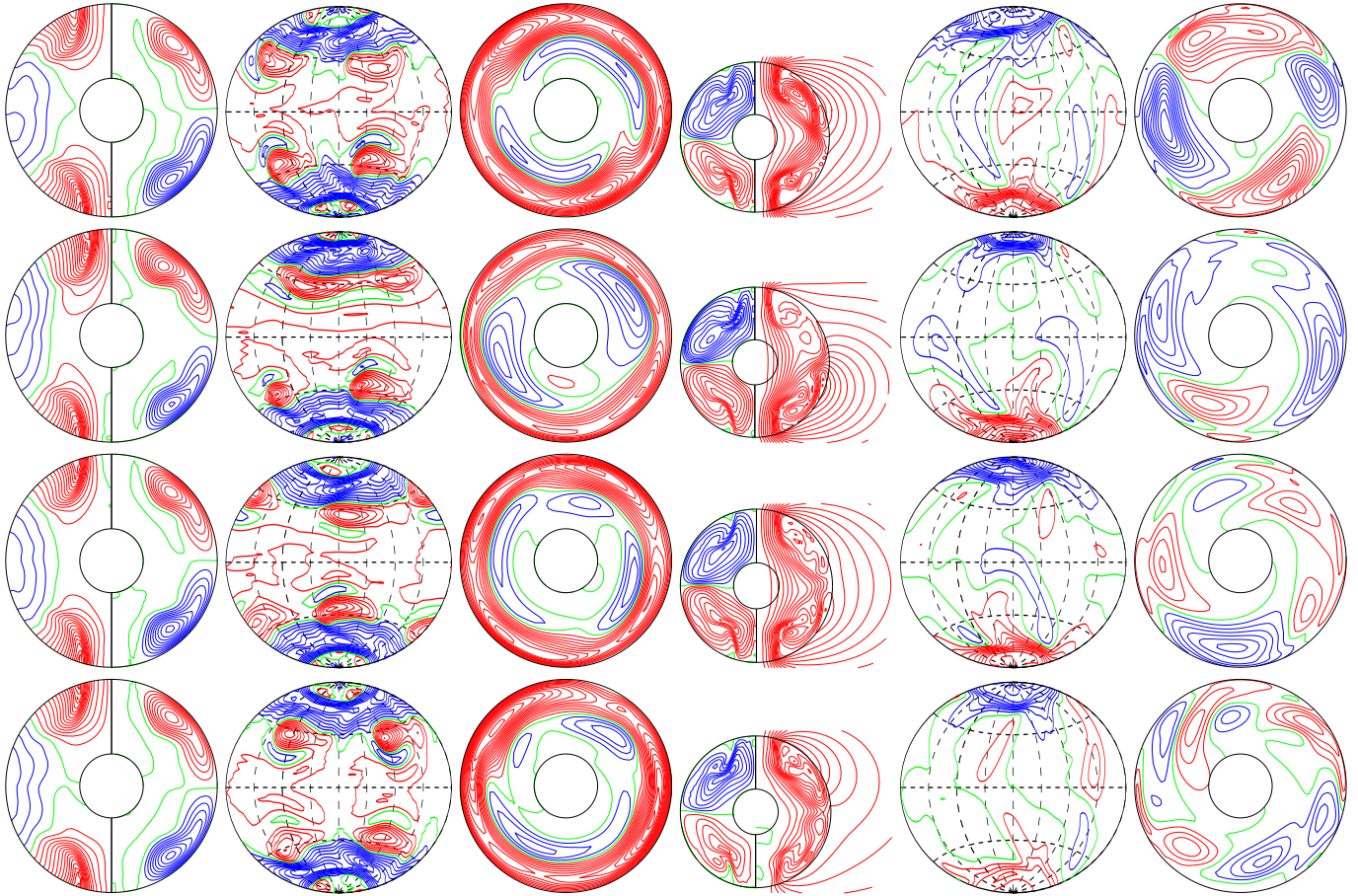
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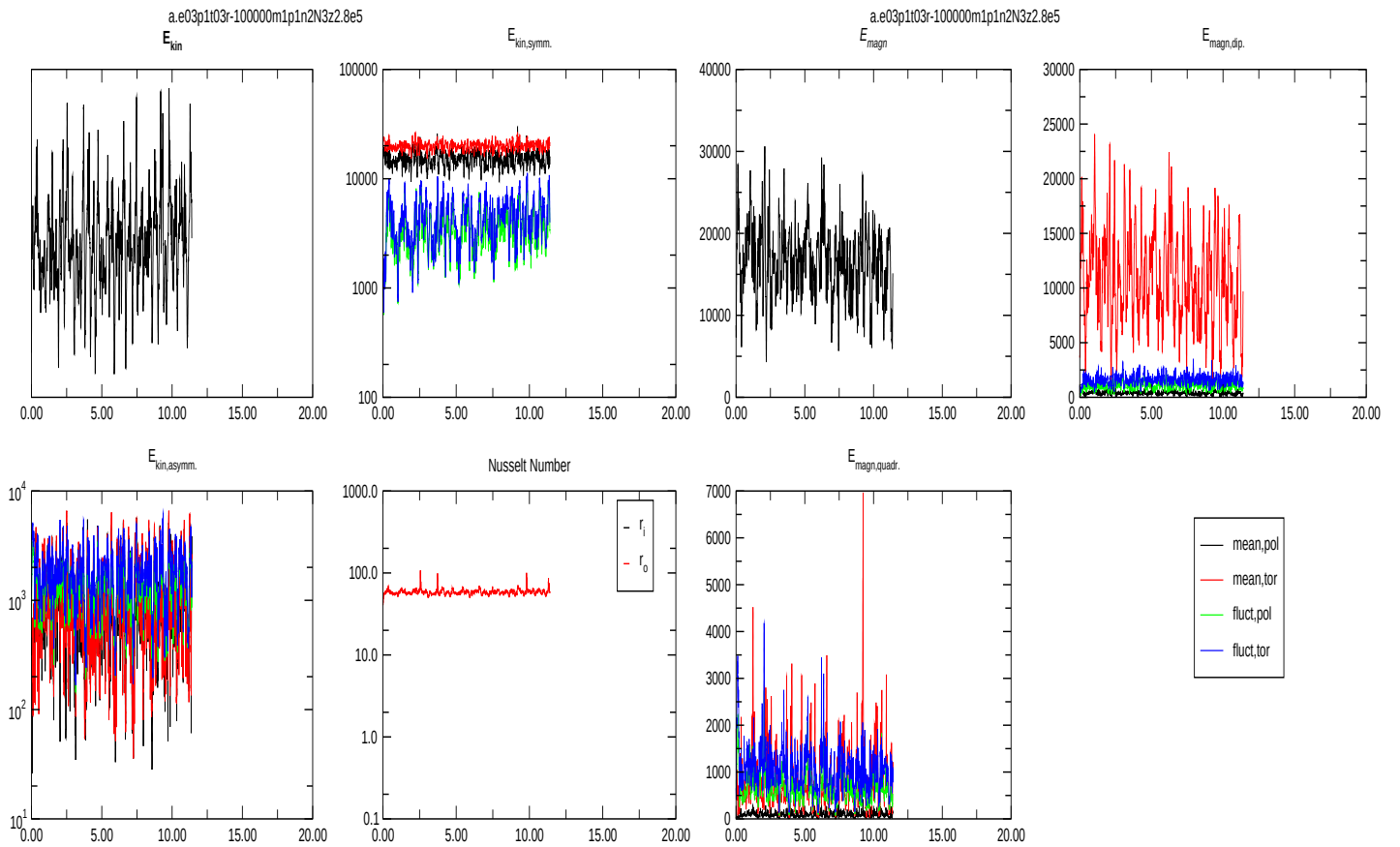
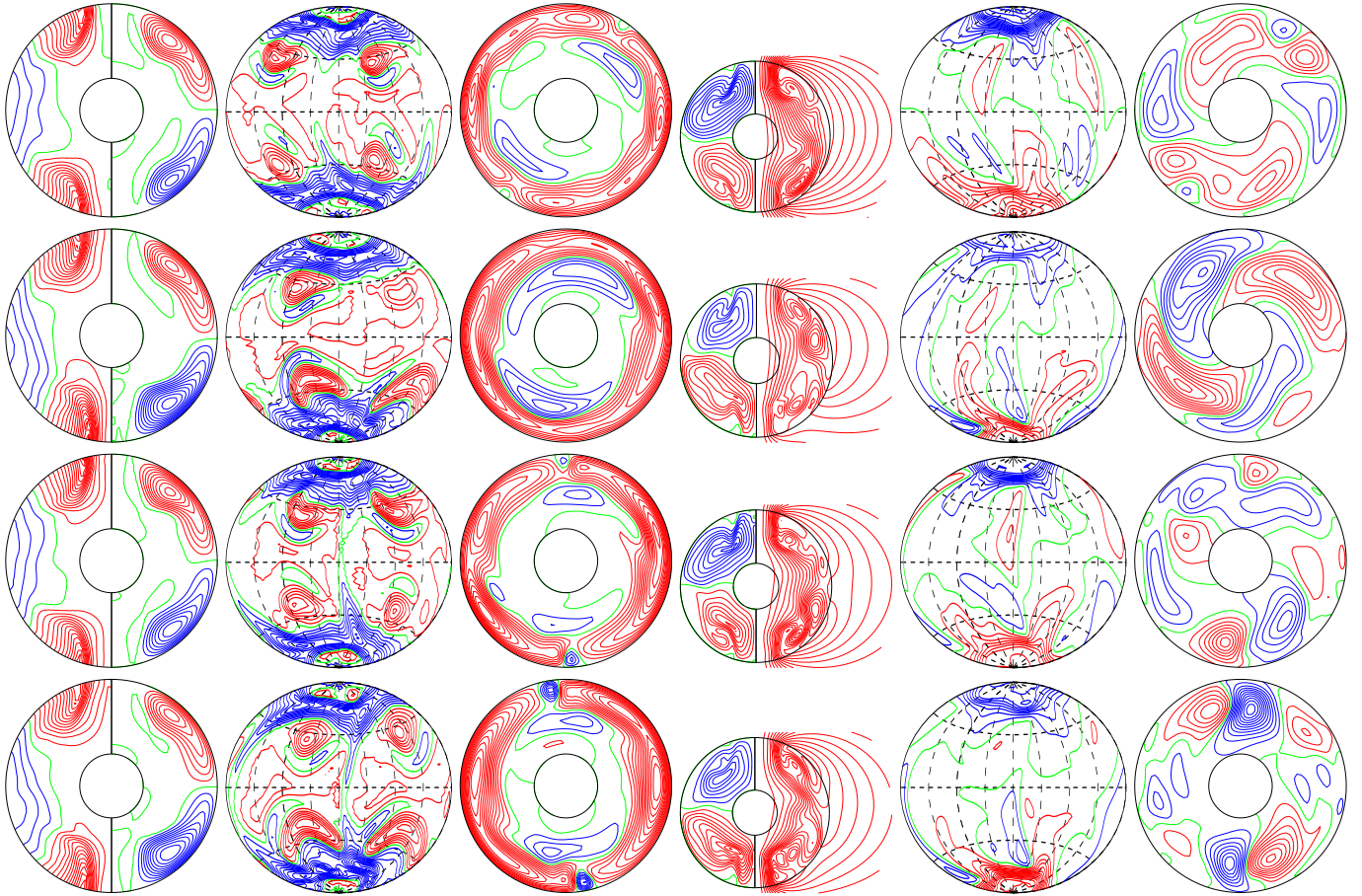
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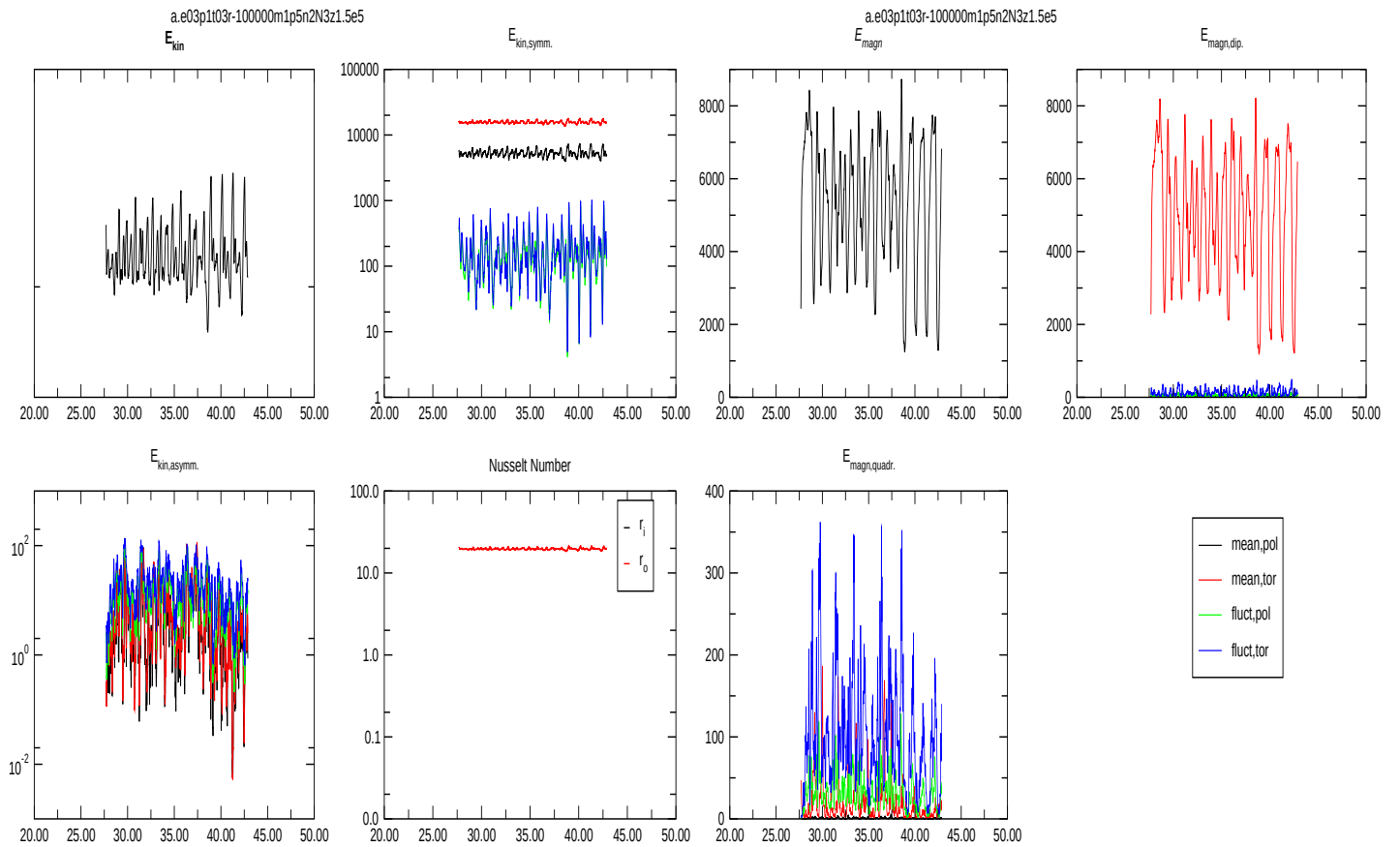
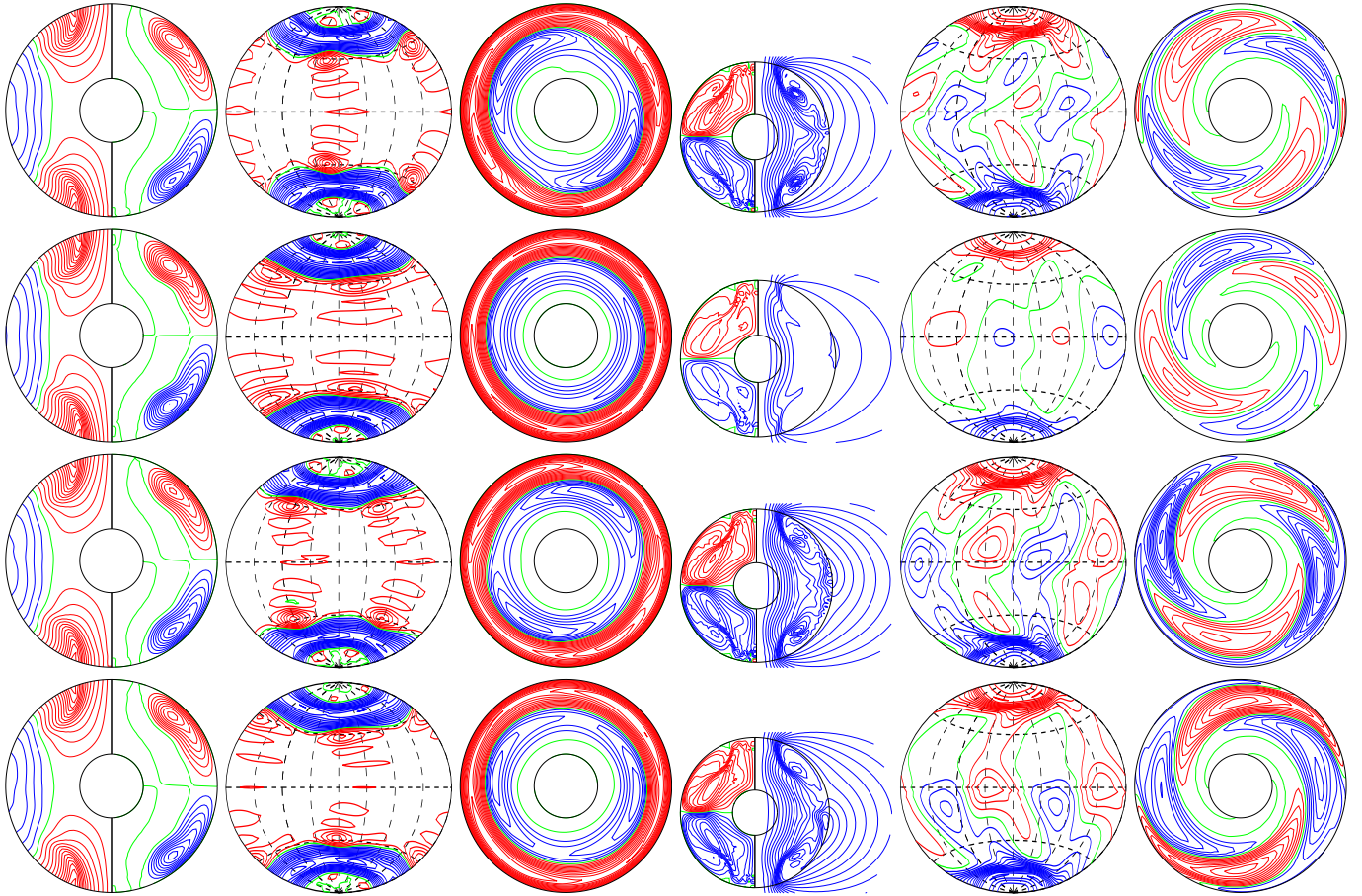
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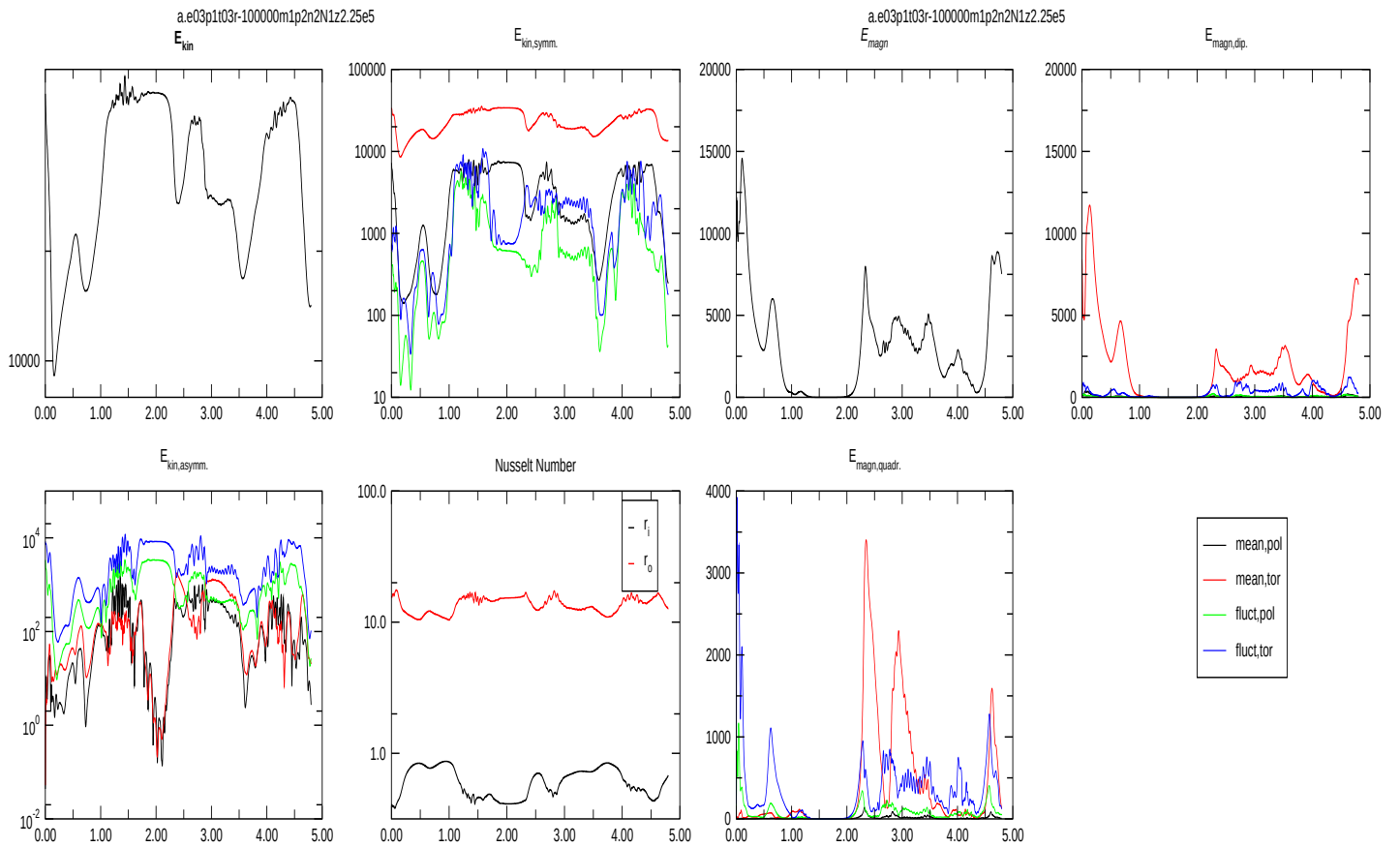
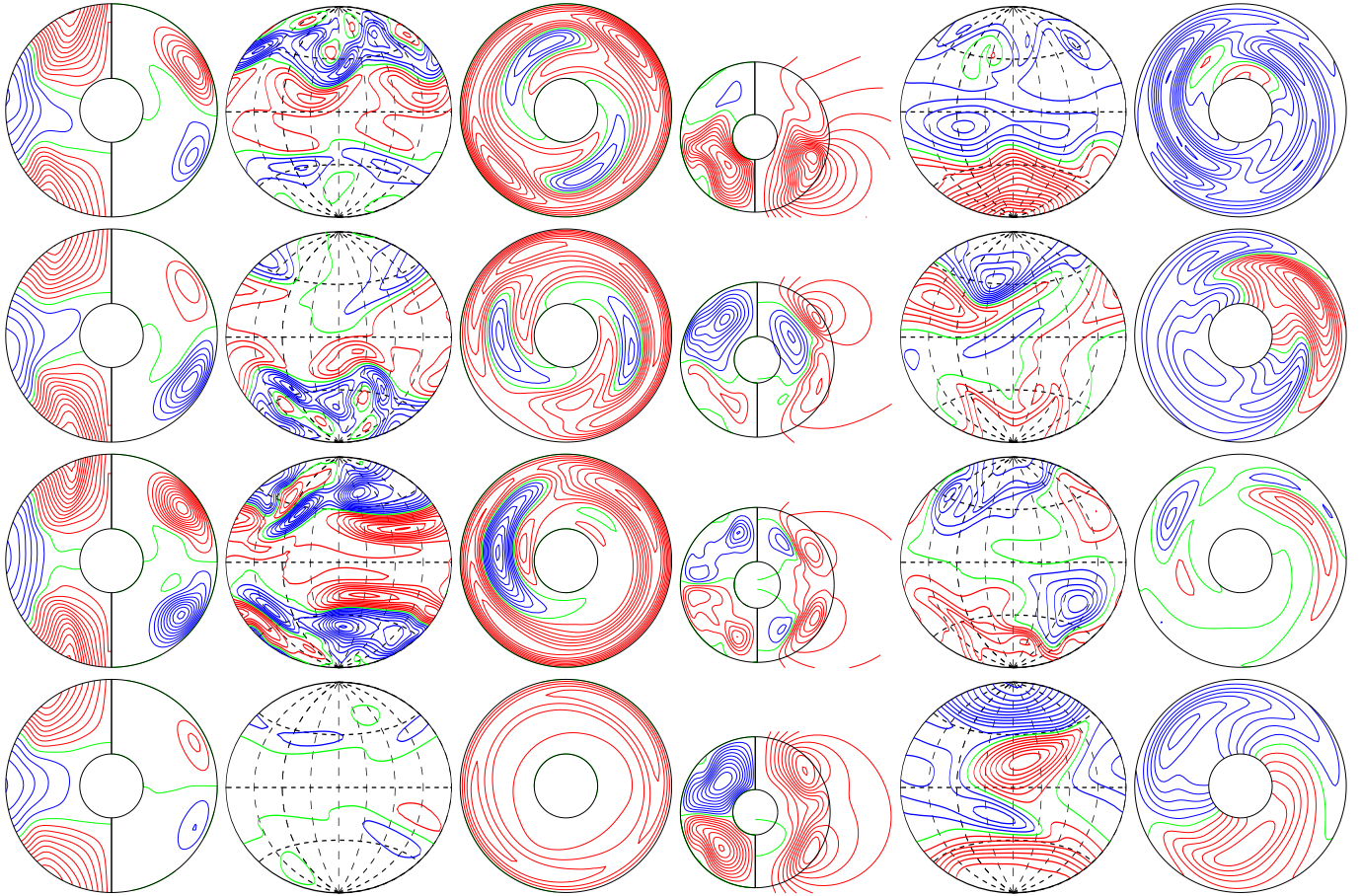
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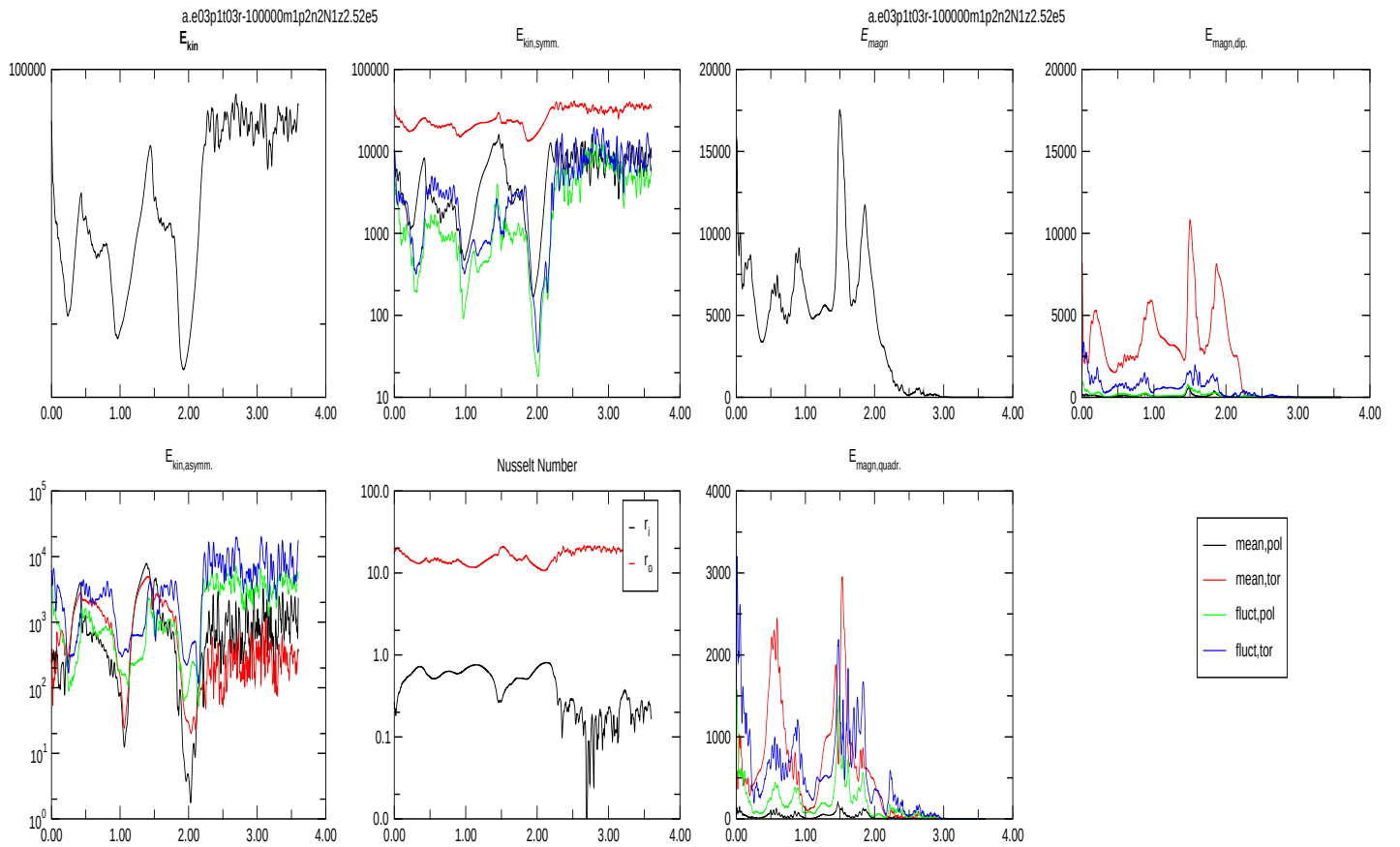
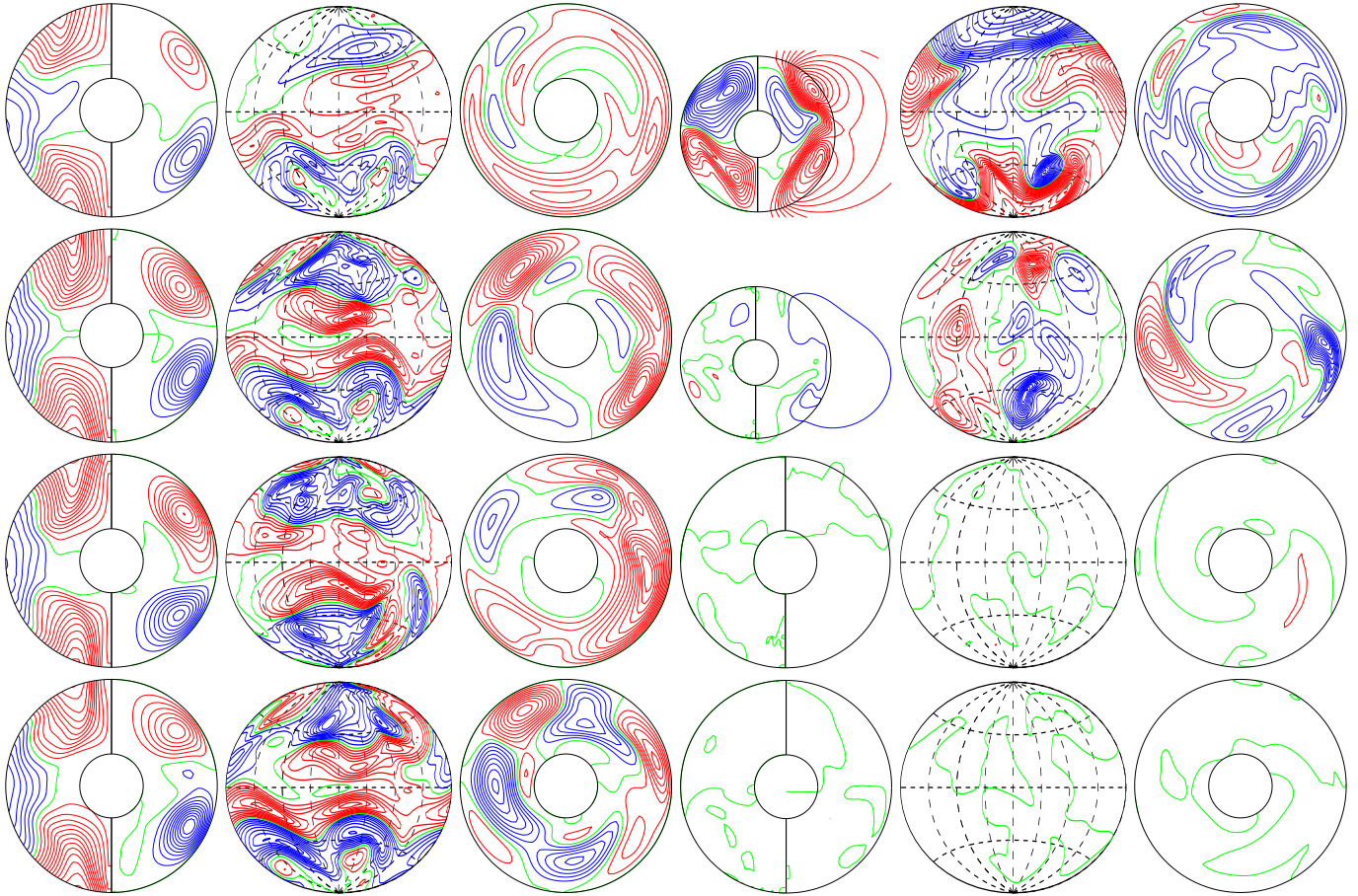
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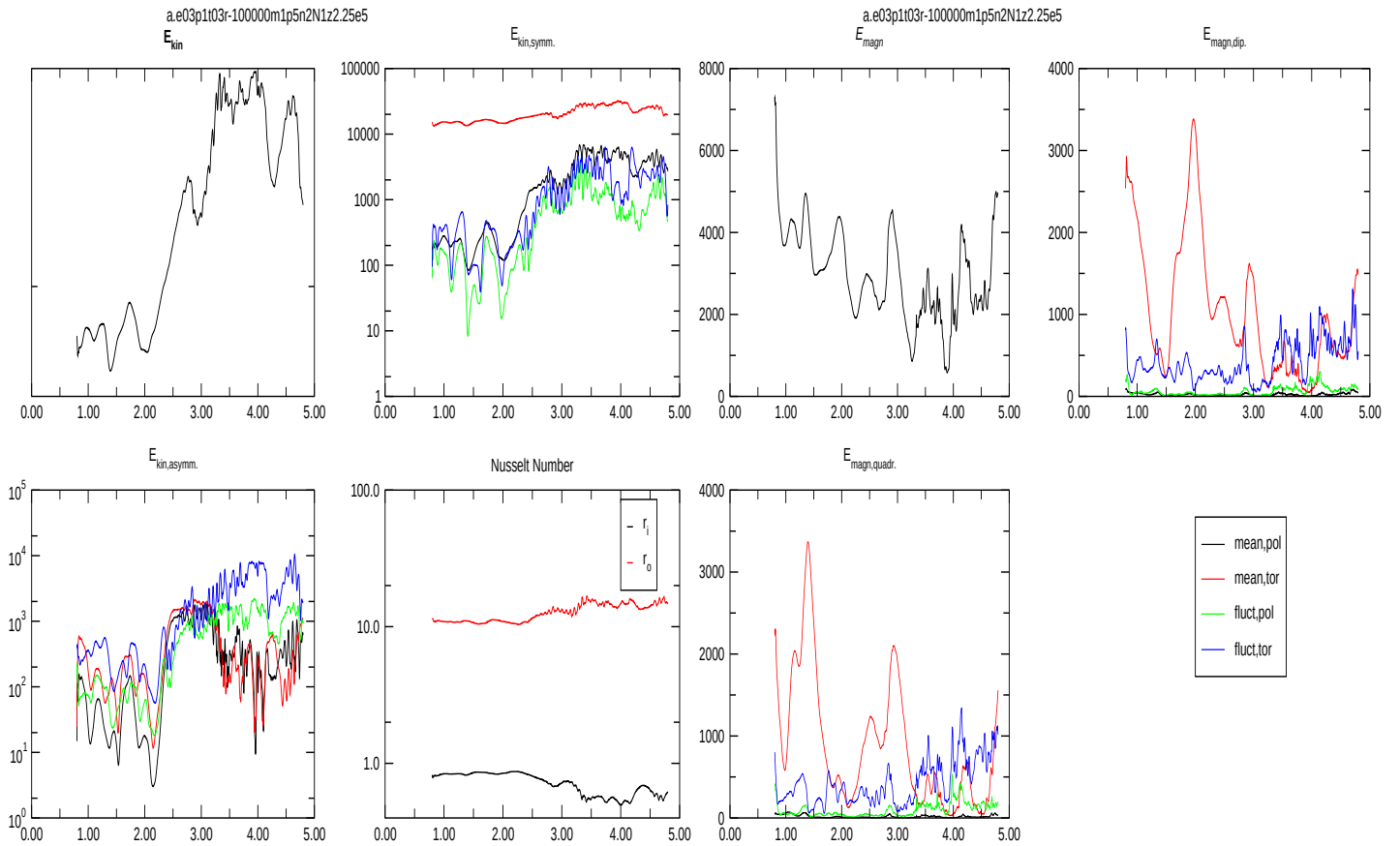
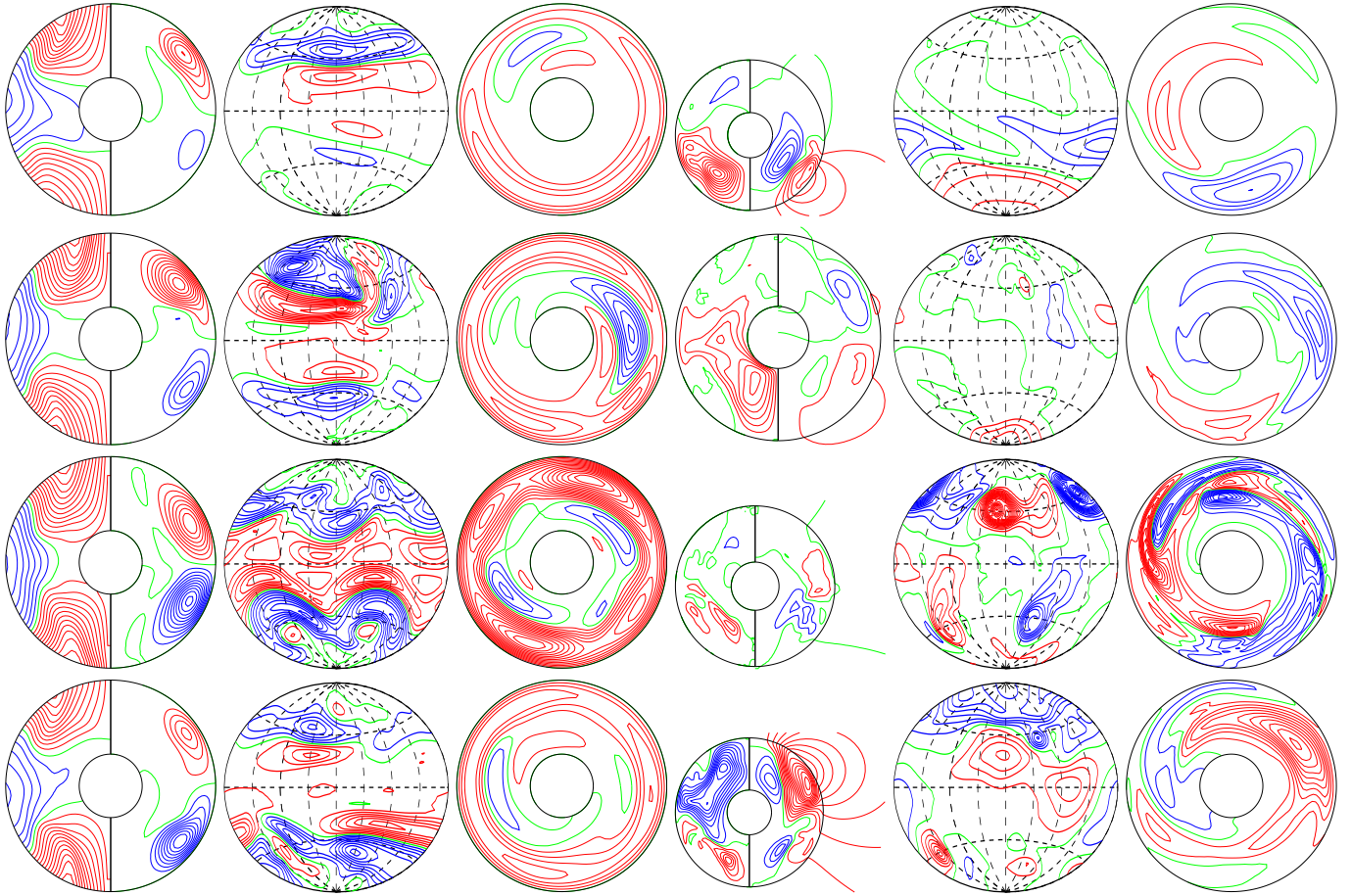
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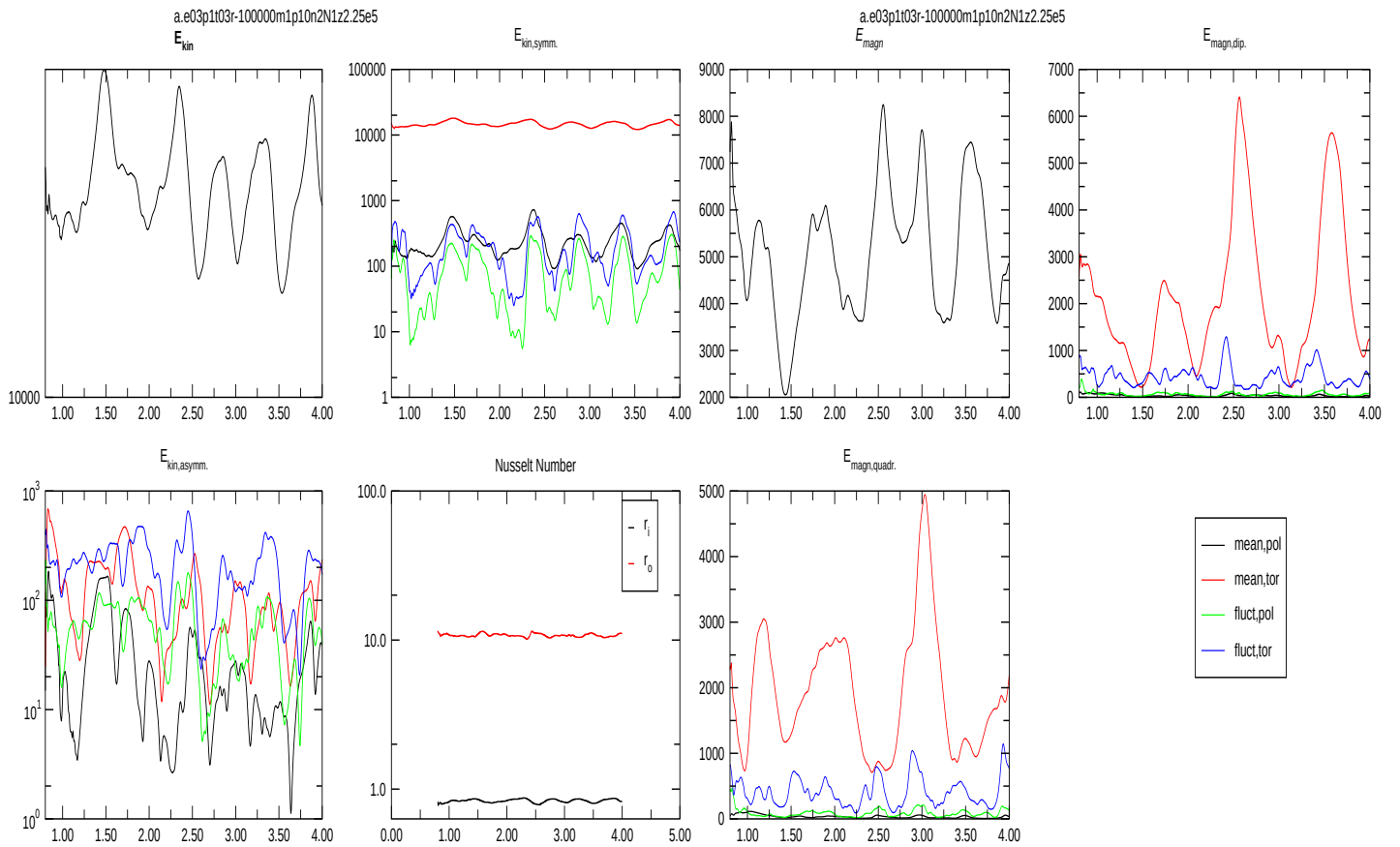
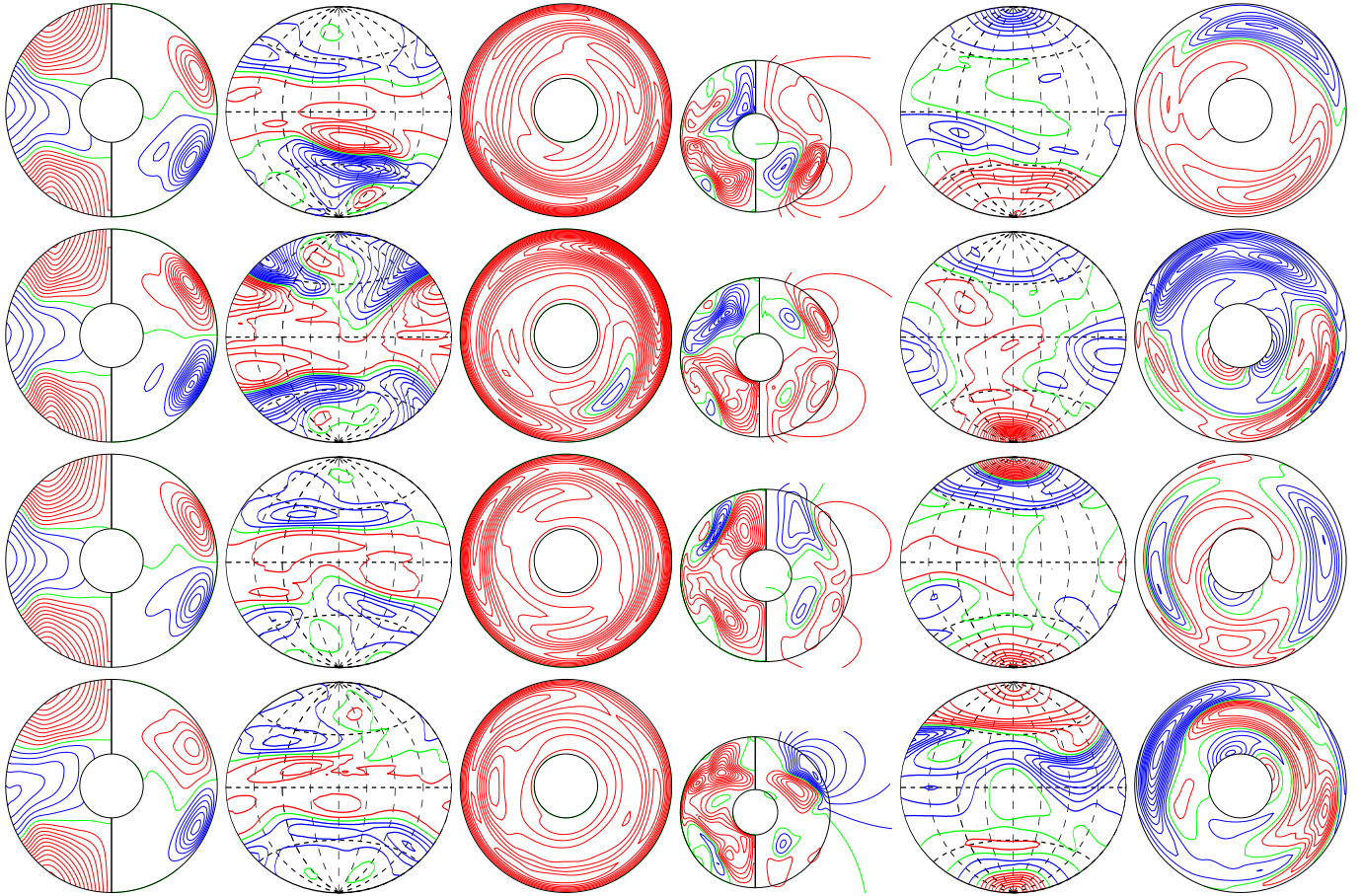
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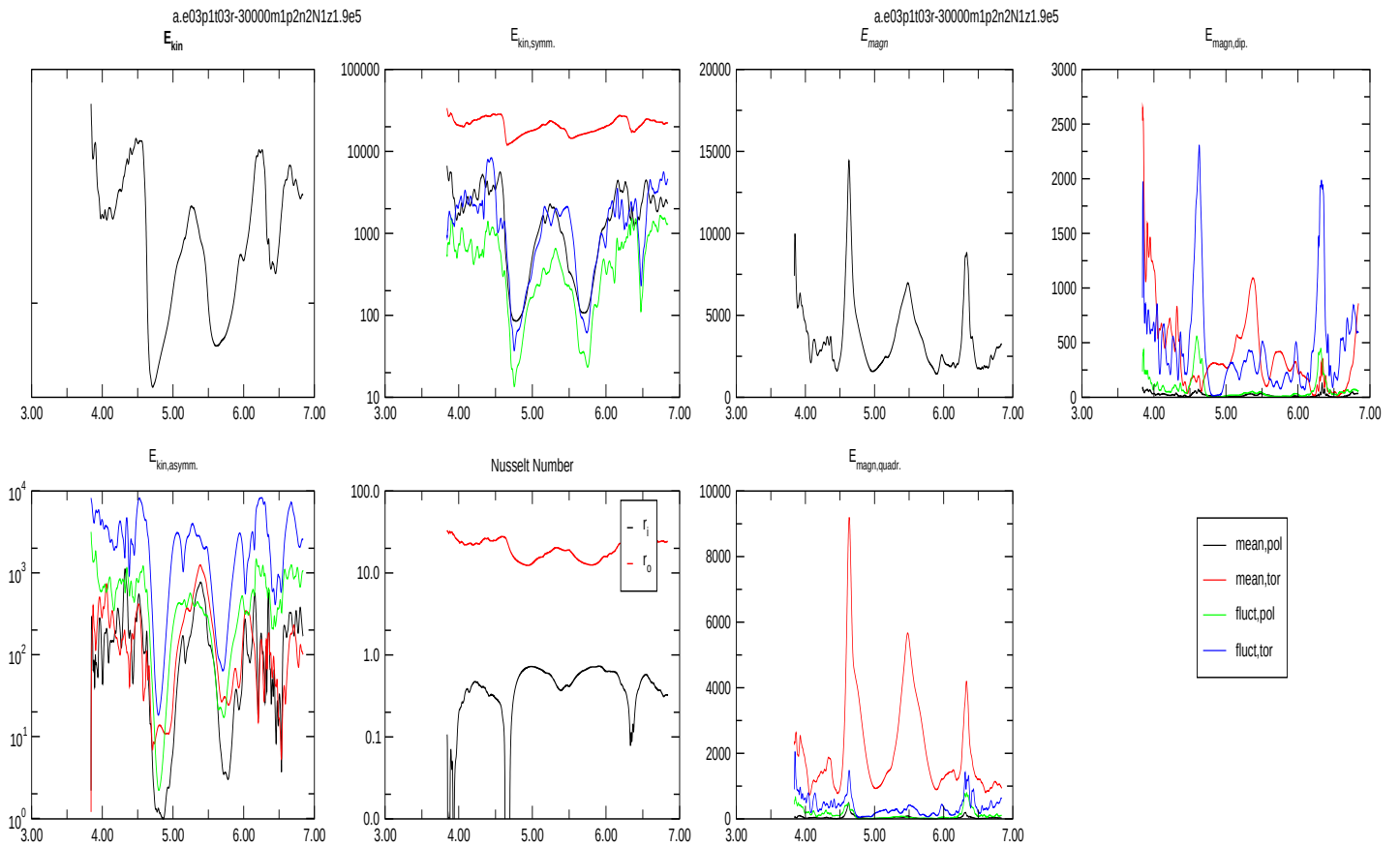
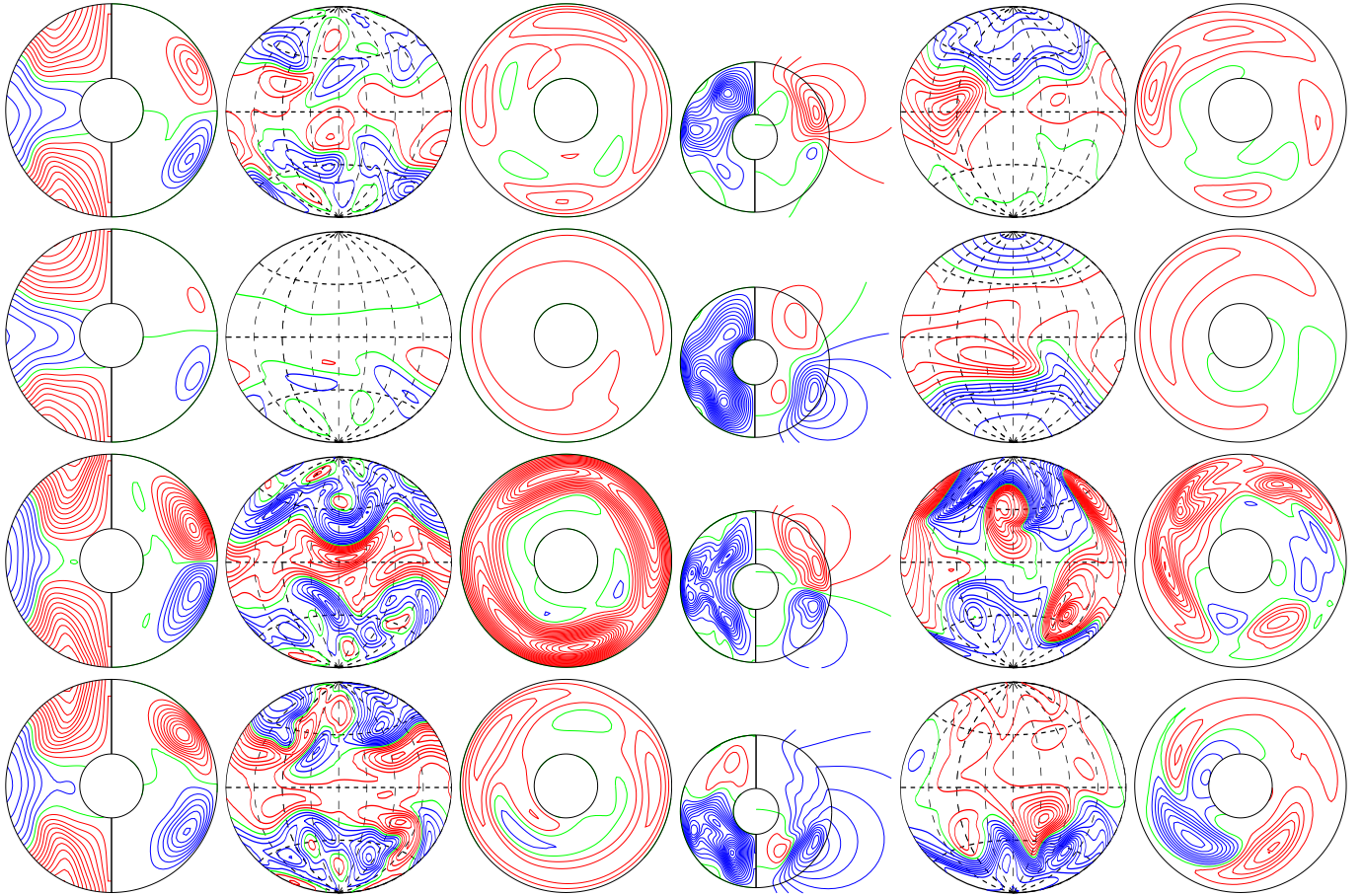
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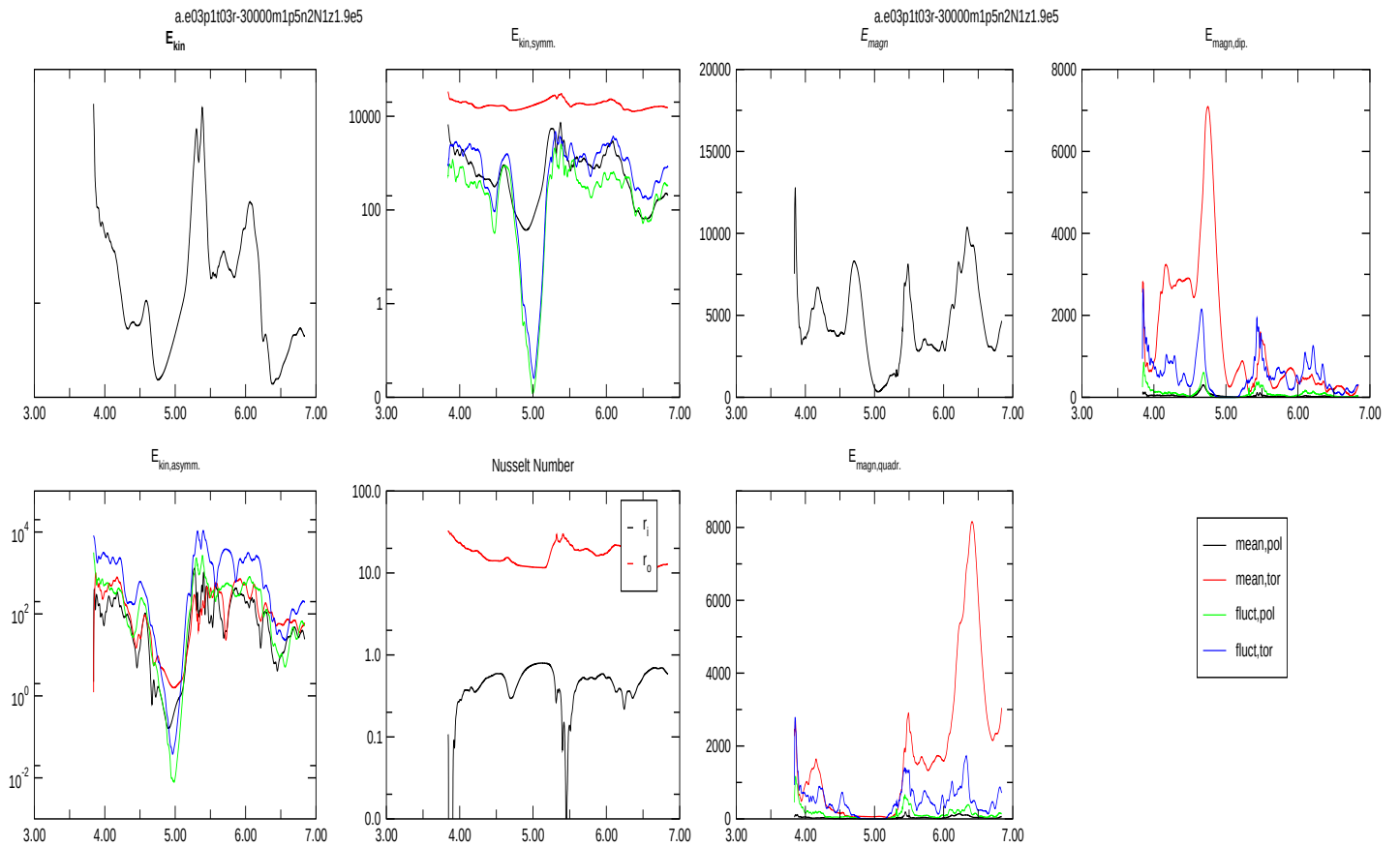
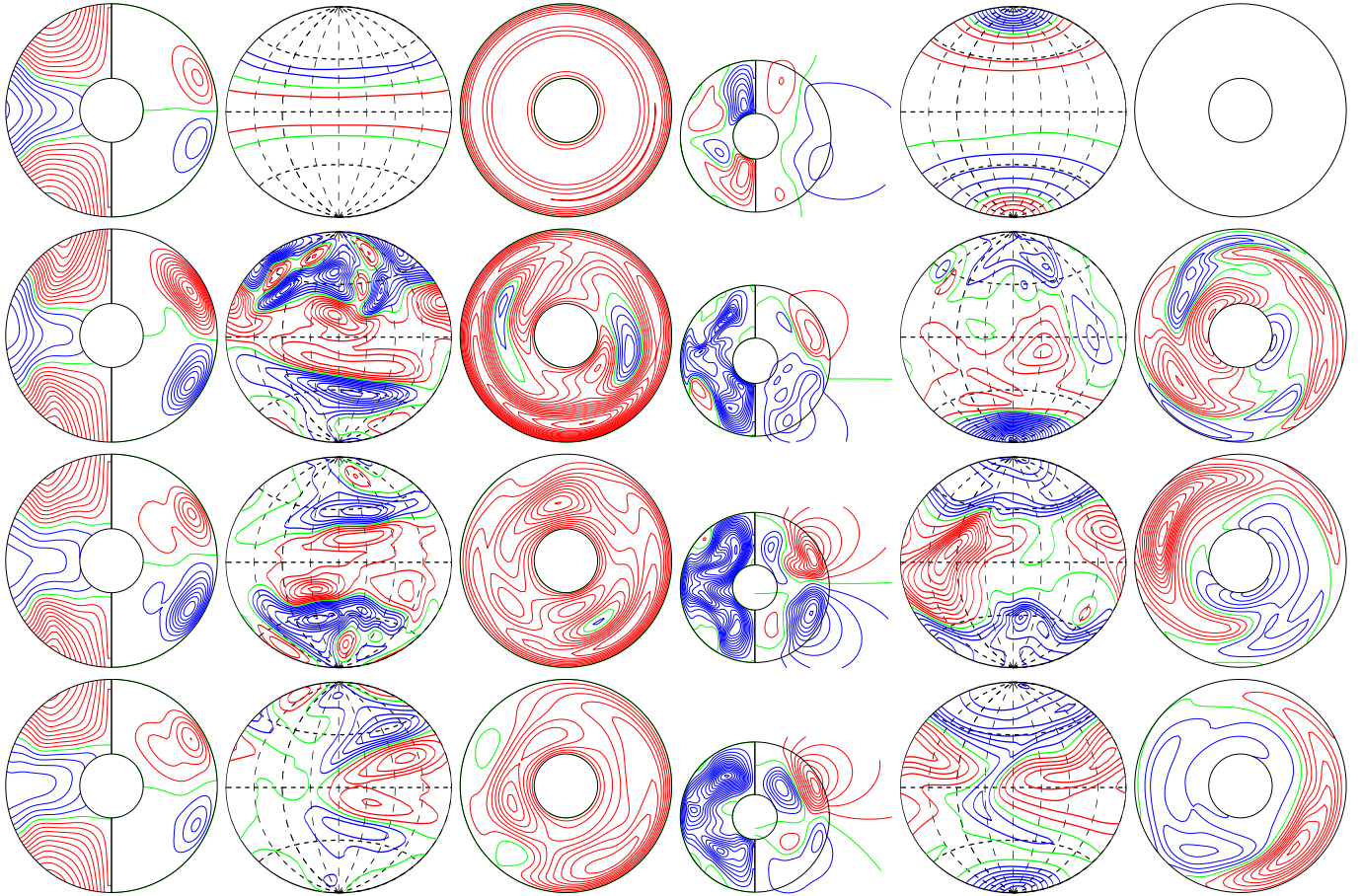
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