Table 1: Results of the procedure for computing self-consistent apriori bounds. The last column contains the ratio of diameters of the final and the initial bounds

k	initial $[a_k^-, a_k^+]$	end $[a_k^-, a_k^+]$	end/initial
11	[-1.36364,1.36364]	[-0.191193,0.183715]	0.137466
12	[-1.25,1.25]	[-0.127318,0.0337347]	0.0644211
13	[-1.15385,1.15385]	[-0.0520618,0.0622105]	0.049518
14	[-1.07143,1.07143]	[-0.0594665,0.0119408]	0.0333234
15	[-0.795519,0.795519]	[-0.0295187,0.0288559]	0.0366897
16	[-0.601801,0.601801]	[-0.0235775,0.00821168]	0.0264117
17	[-0.464249,0.464249]	[-0.0110452,0.0113296]	0.0240979
18	[-0.364219,0.364219]	[-0.00853406,0.00367987]	0.0167674
19	[-0.289965,0.289965]	[-0.00432588,0.00431281]	0.0148961
20	[-0.233852,0.233852]	[-0.00342289,0.00163528]	0.010815
30	[-0.0439651,0.0439651]	[-2.15261e-05,1.32197e-05]	0.000395152
40	[-0.01368,0.01368]	[-1.30955e-07,1.00462e-07]	8.45826e-06
50	[-0.00556057,0.00556057]	[-1.11967e-07,1.11851e-07]	2.01254e-05
> 50	$[-1, 1] \cdot 34735.3/k^4$	$[-1, 1] \cdot 5.45731e + 12/k^{10}$	

$\nu = 0.02991$

Table 2: Comparison between the self-consistent apriori bounds and the data obtained from the 20-dimensional Galerkin projection. The last column contains ratio of the self-consistent apriori bounds and the bounds from numerical simulation of the attractor. The first number is the ratio of the left ends of intervals representing bounds, the second number comes from the right ends.

k	$[a_k^-, a_k^+]$	simulation	ratio
11	[-0.191193,0.183715]	[-0.162951,0.15886]	1.17, 1.16
12	[-0.127318,0.0337347]	[-0.118921,0.00652819]	1.07, 5.23
13	[-0.0520618,0.0622105]	[-0.0410109,0.0507355]	1.23, 1.23
14	[-0.0594665,0.0119408]	[-0.0464449,0.00629818]	1.28, 1.9
15	[-0.0295187,0.0288559]	[-0.0192642,0.0205764]	1.53, 1.4
16	[-0.0235775,0.00821168]	[-0.0184276,0.00214689]	1.28, 3.8
17	[-0.0110452,0.0113296]	[-0.00694532,0.00627861]	1.59, 1.8
18	[-0.00853406,0.00367987]	[-0.00454377,0.000704727]	1.88, 5.2
19	[-0.00432588,0.00431281]	[-0.00178663,0.00196536]	2.42, 2.2
20	[-0.00342289,0.00163528]	[-0.00185047,0.000307684]	1.85, 5.3