













TOL trade-off metrics (adaptive RK)

TOL	runtime [s]	×	N steps	×	max error	×	final error	×
1e-03	0.008846	×1.00	115	×1.00	8.015e-02	×1.0000	2.305e-06	×1.0000
1e-04	0.010021	×1.13	137	×1.19	3.264e-02	×0.4072	4.114e-07	×0.1785
1e-05	0.013672	×1.55	191	×1.66	1.187e-02	×0.1481	7.921e-08	×0.0344

×2.73

×5.20

×10.82

314

598

1244

3.901e-03

1.088e-03

1.777e-04

 $\times 0.0487$

 $\times 0.0136$

×0.0022

1.729e-08

7.149e-09

4.398e-09

×0.0075

 $\times 0.0031$

 $\times 0.0019$

1e-06

1e-07

1e-08

0.021822

0.037116

0.071341

 $\times 2.47$

×4.20

×8.07

Forced Lorenz (adaptive BS23)



