

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 |
| 1e-06 | 0.021822 | ×2.47 | 314 | ×2.73 | 3.901e-03 | ×0.0487 | 1.729e-08 | ×0.0075 |
| 1e-07 | 0.037116 | ×4.20 | 598 | ×5.20 | 1.088e-03 | ×0.0136 | 7.149e-09 | ×0.0031 |
| 1e-08 | 0.071341 | ×8.07 | 1244 | ×10.82 | 1.777e-04 | ×0.0022 | 4.398e-09 | ×0.0019 |