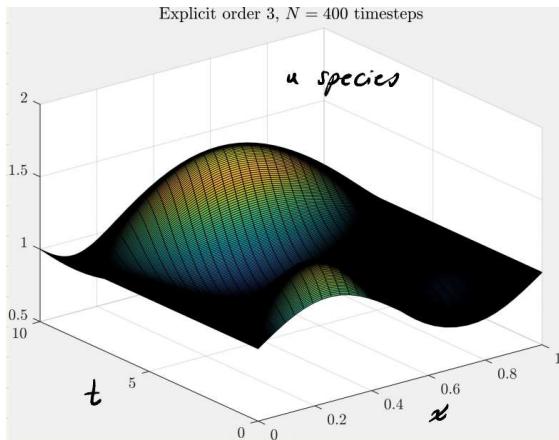
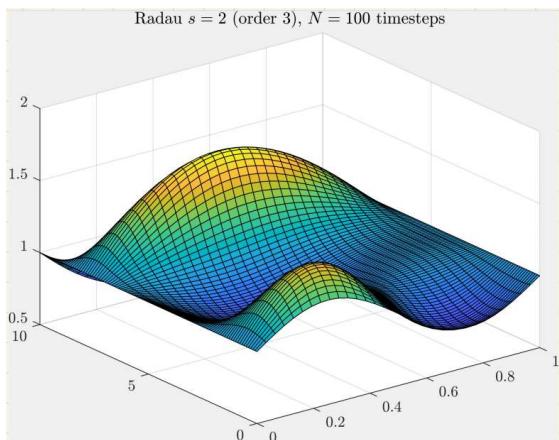


Complement Brusselator: Numerical illustrations



Explicit Euler:

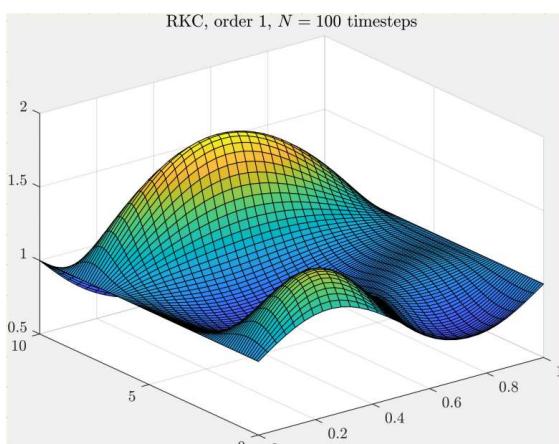
Above this time stepsize the solution explodes.



Radau method ($s=2$):

Nice solution, even with a large time stepsize. Here: $h=0.1$.

Problem: implicit method.



Runge-Kutta-Chebyshev method:

Explicit and “stable”.

Later, we will see how these methods are defined and work.