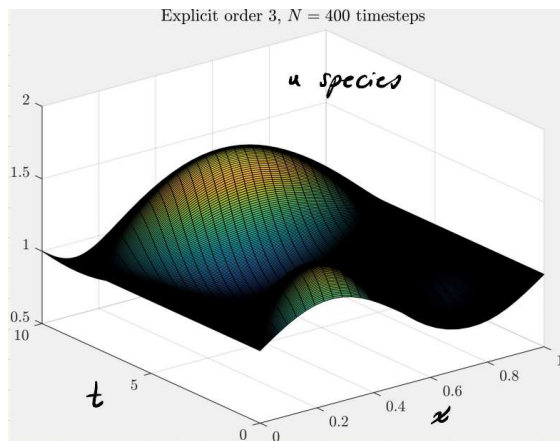
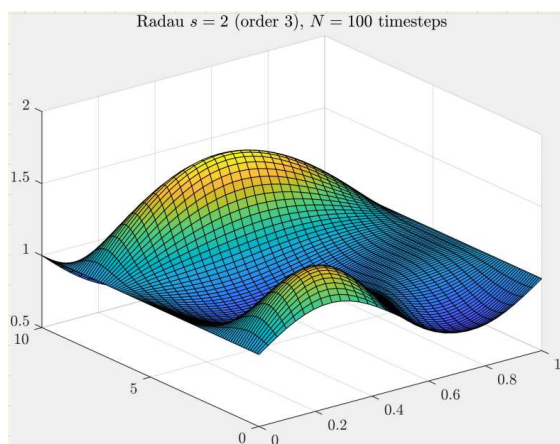


## Complement Brusselator: Numerical illustrations



### Explicit Euler:

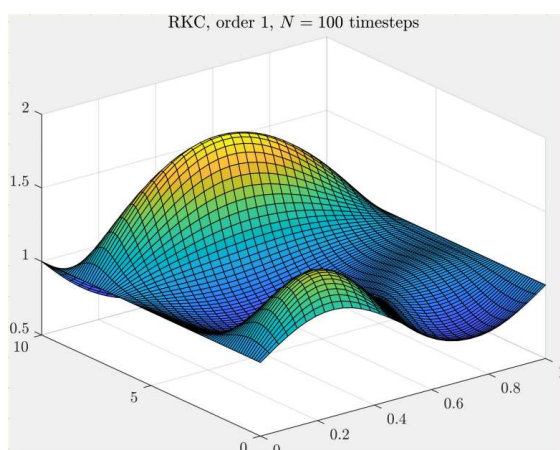
Above this time stepsize the solution explodes.



### 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.