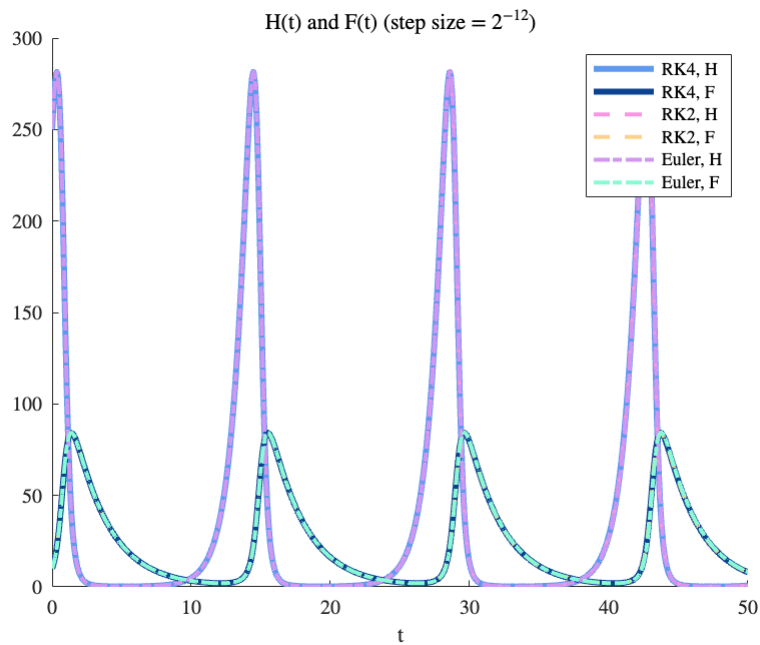
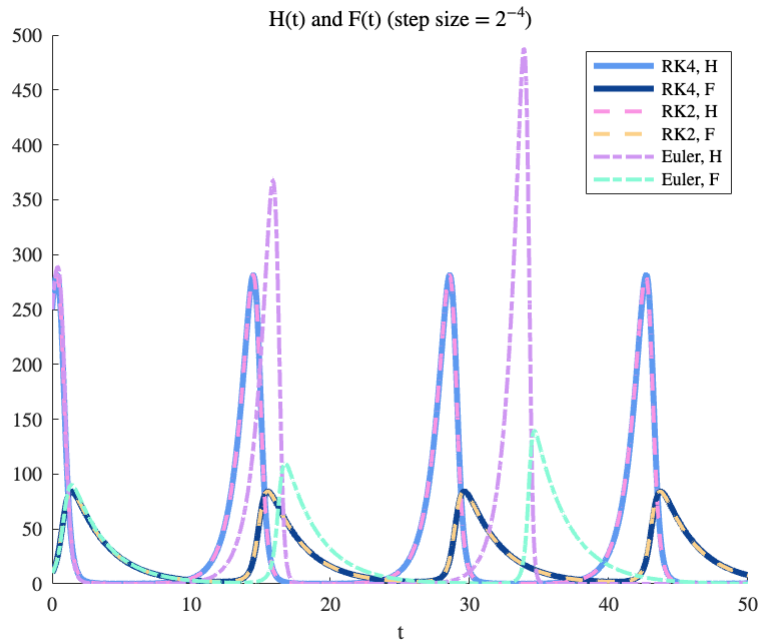


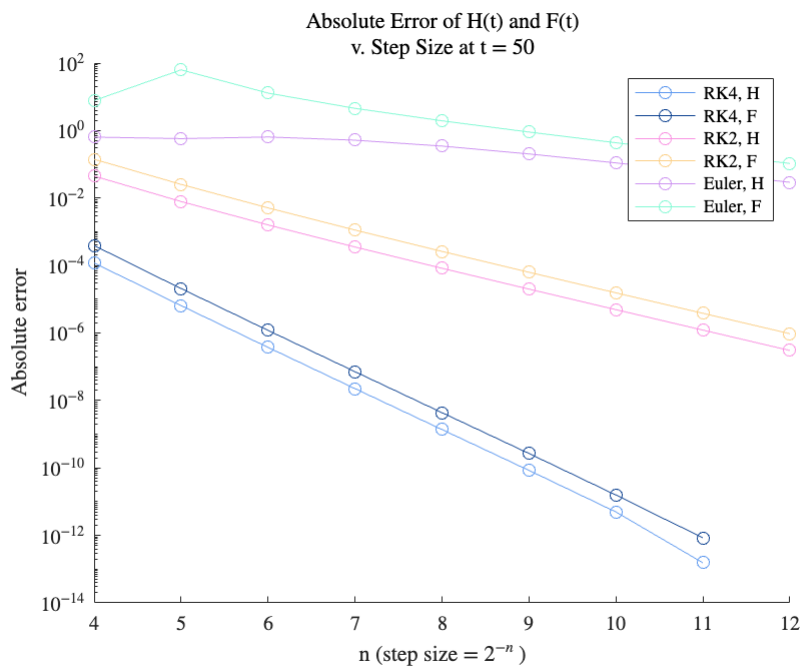
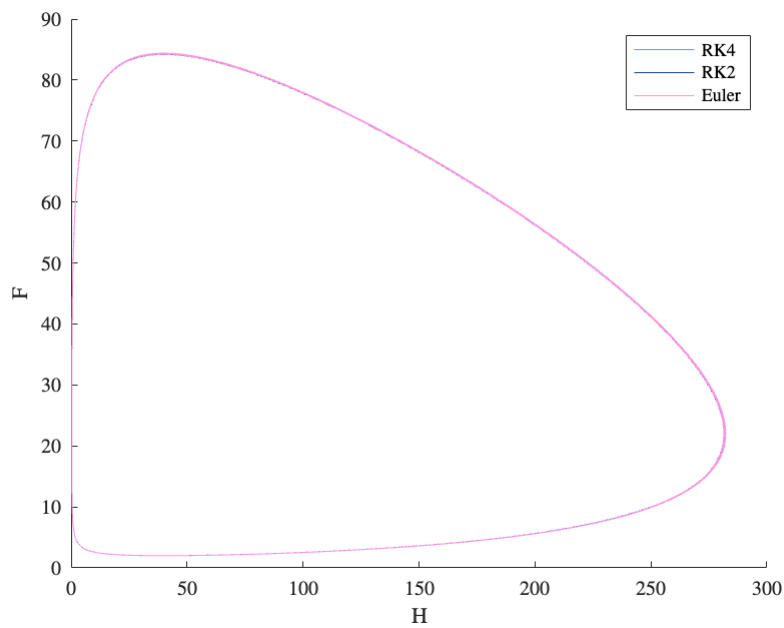
Lab 6

Jessie Li // November 1, 2023

1. Solving the Lotka-Volterra equations

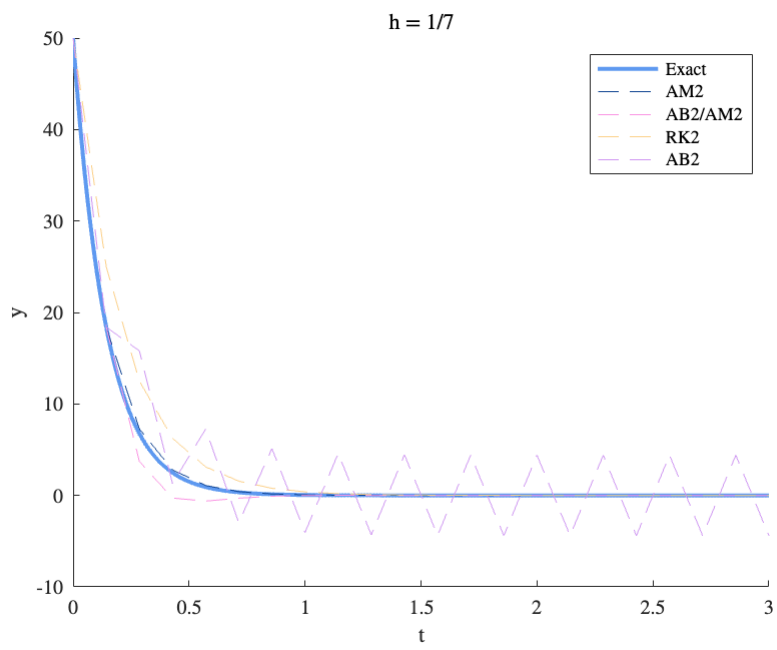
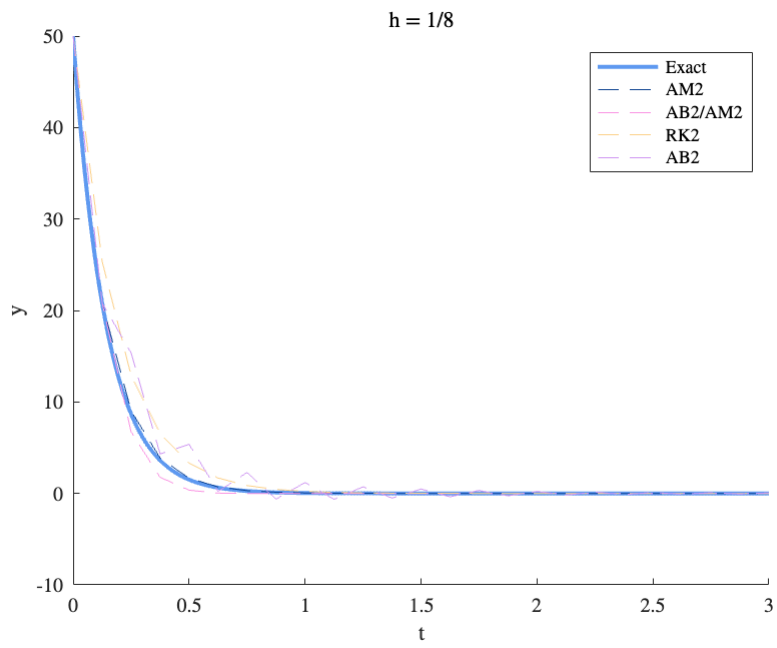
```
main1
```

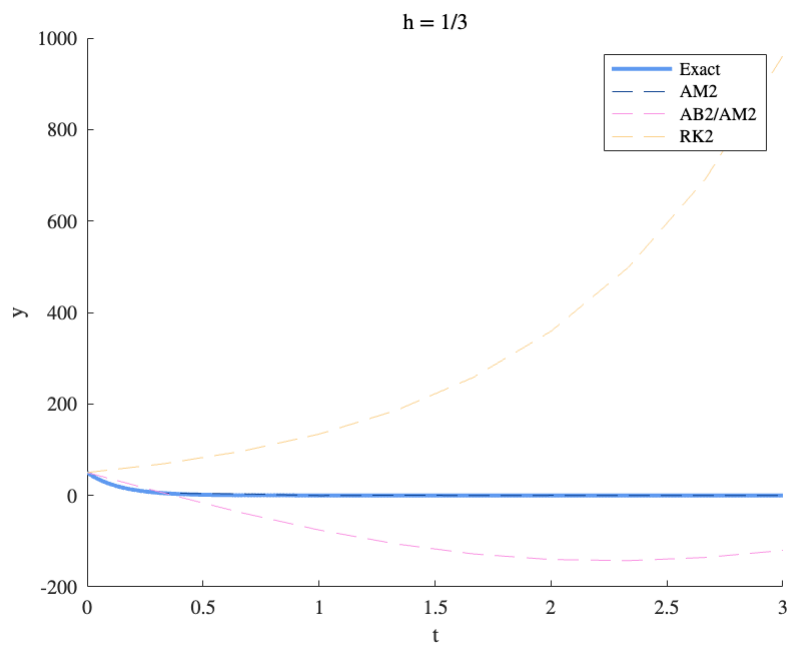
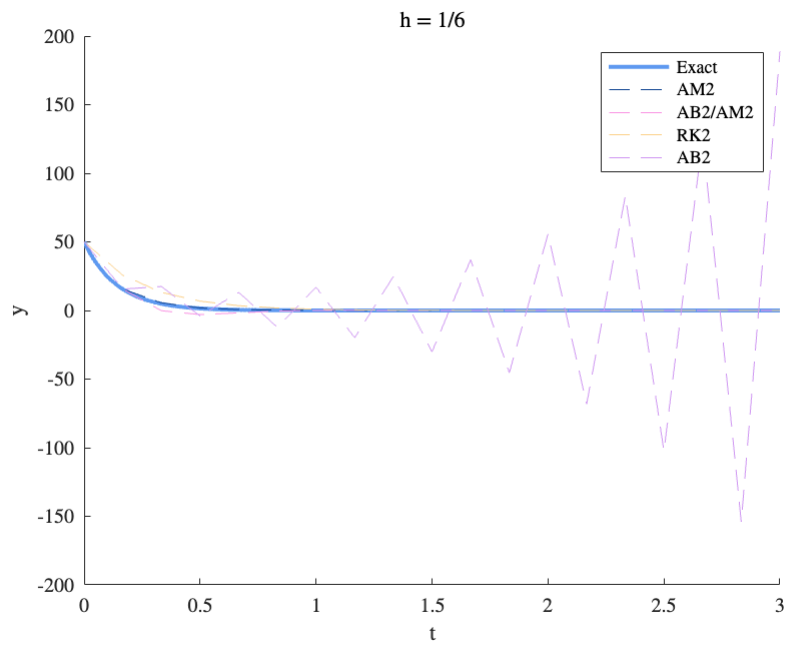


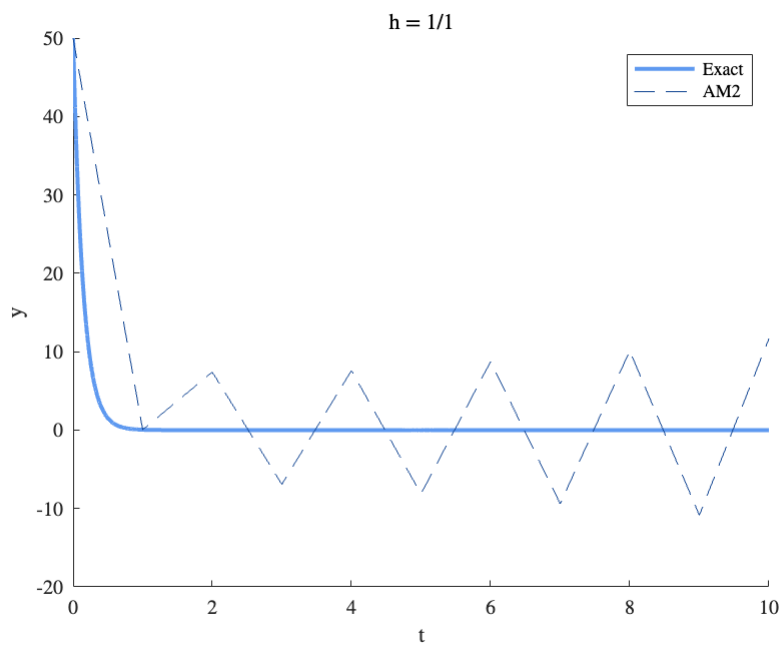
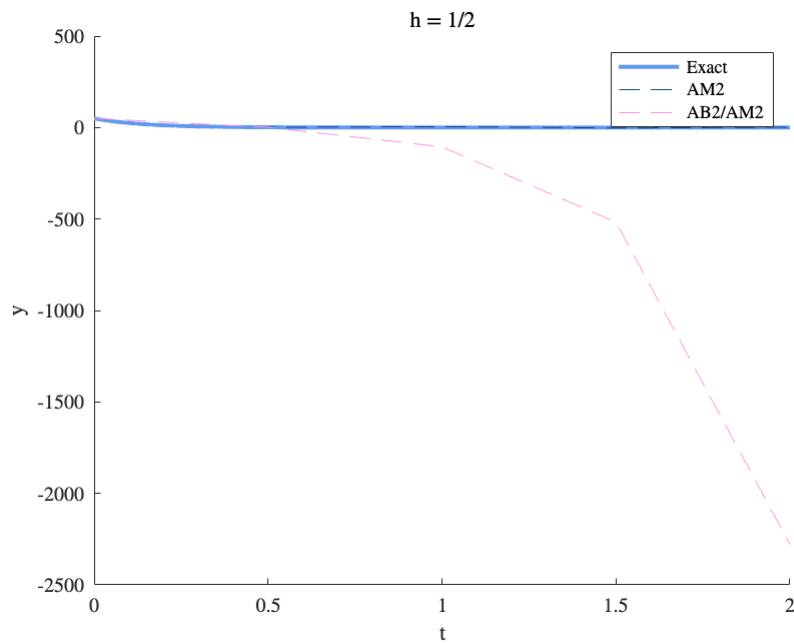


2. Analyzing the stability of the solution to $y' = -7y$

main2

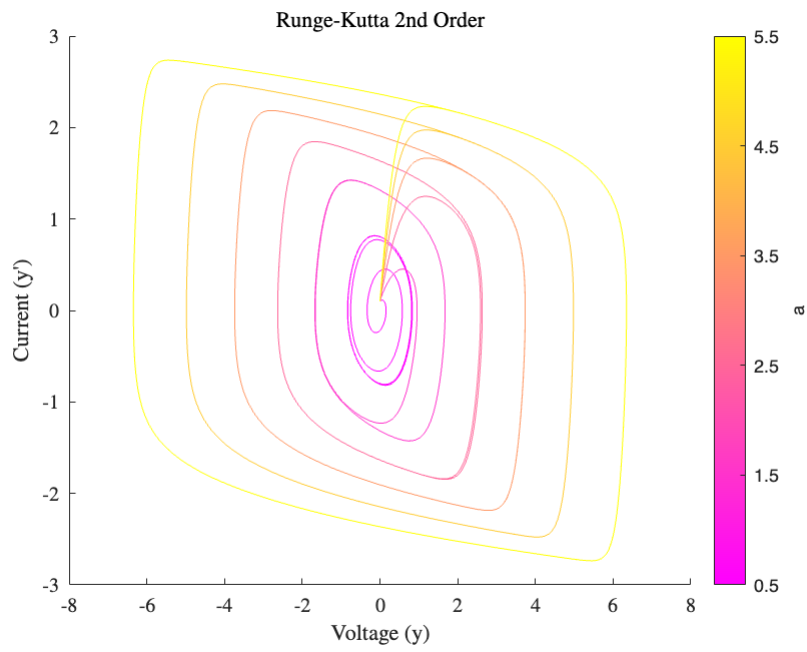






3. Solving the Van der Pol equation $y'' = a*y' - (y')^3 - y$ with a 4-Step Adams Predictor-Corrector

```
% preview solution with a simpler method
main3('rk2')
```



```
main3('adams4')
```

