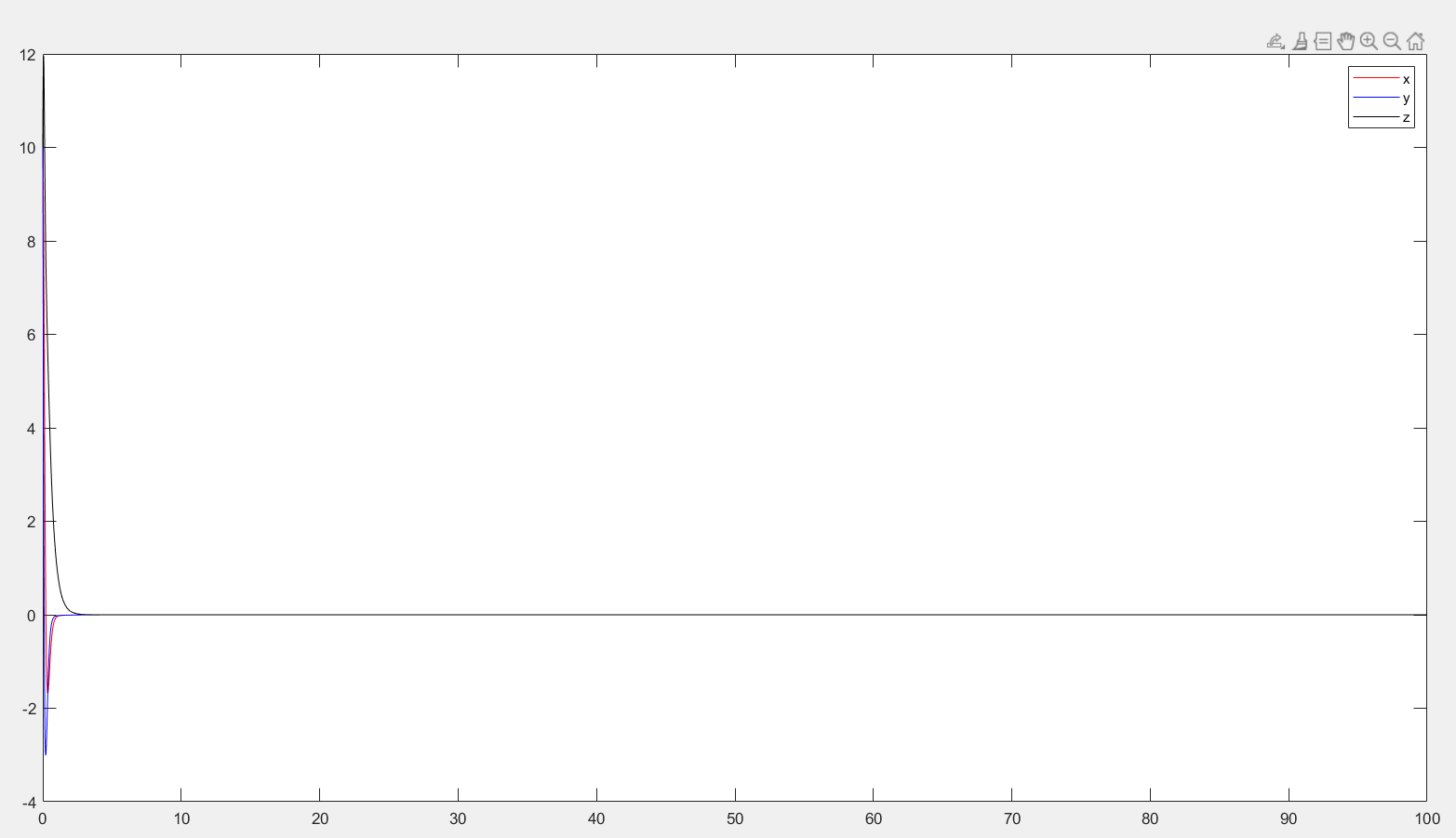
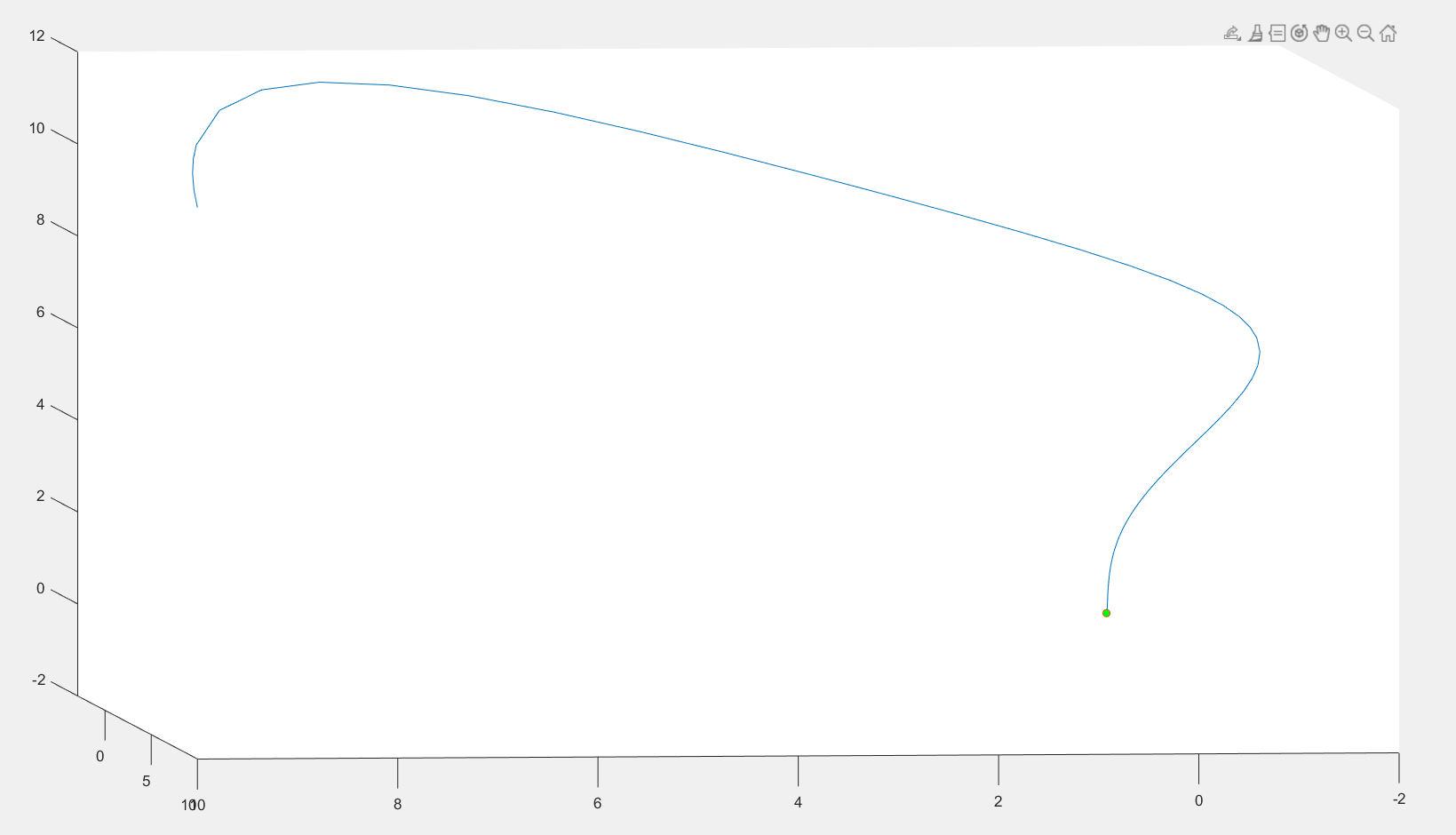
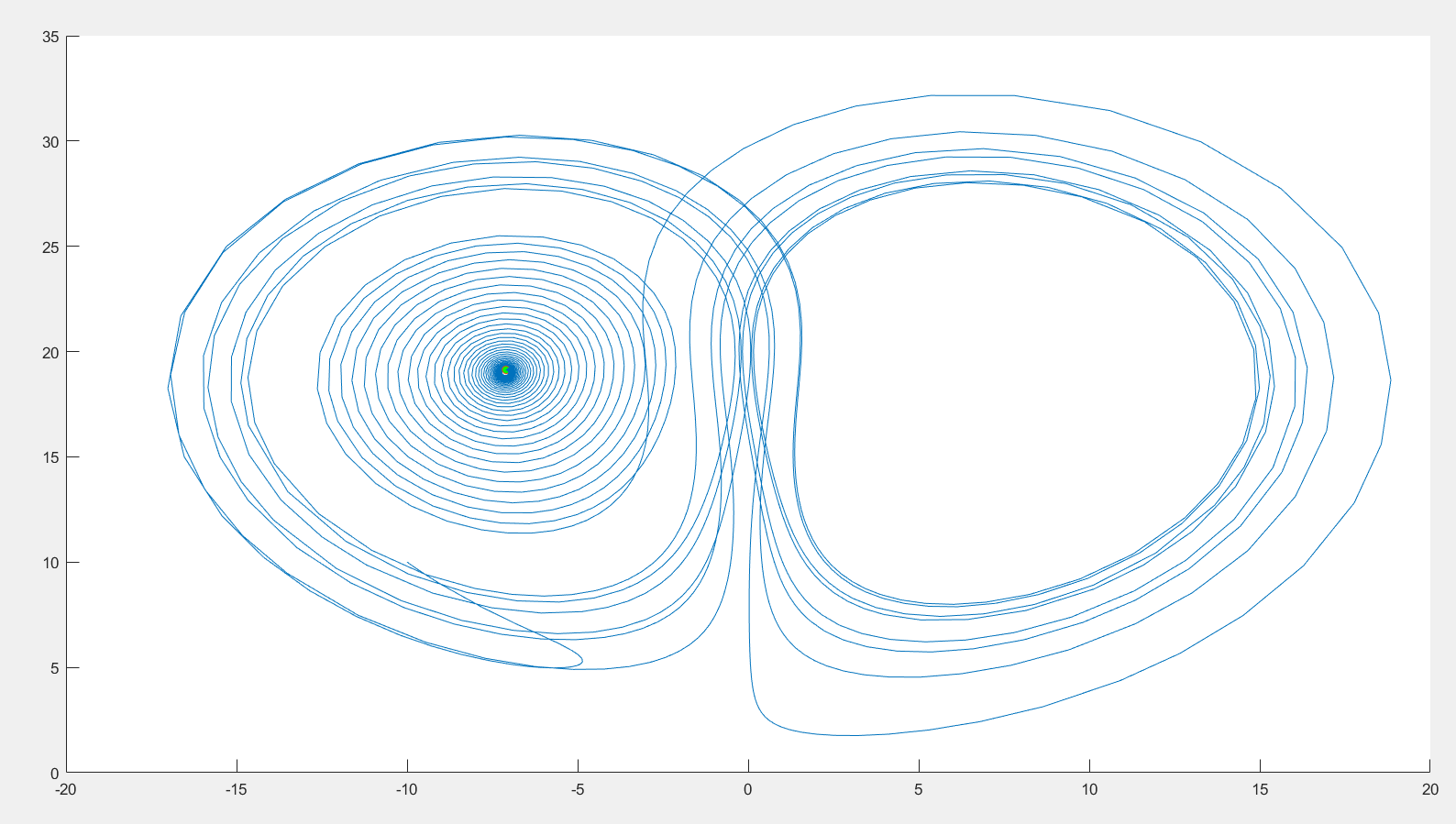
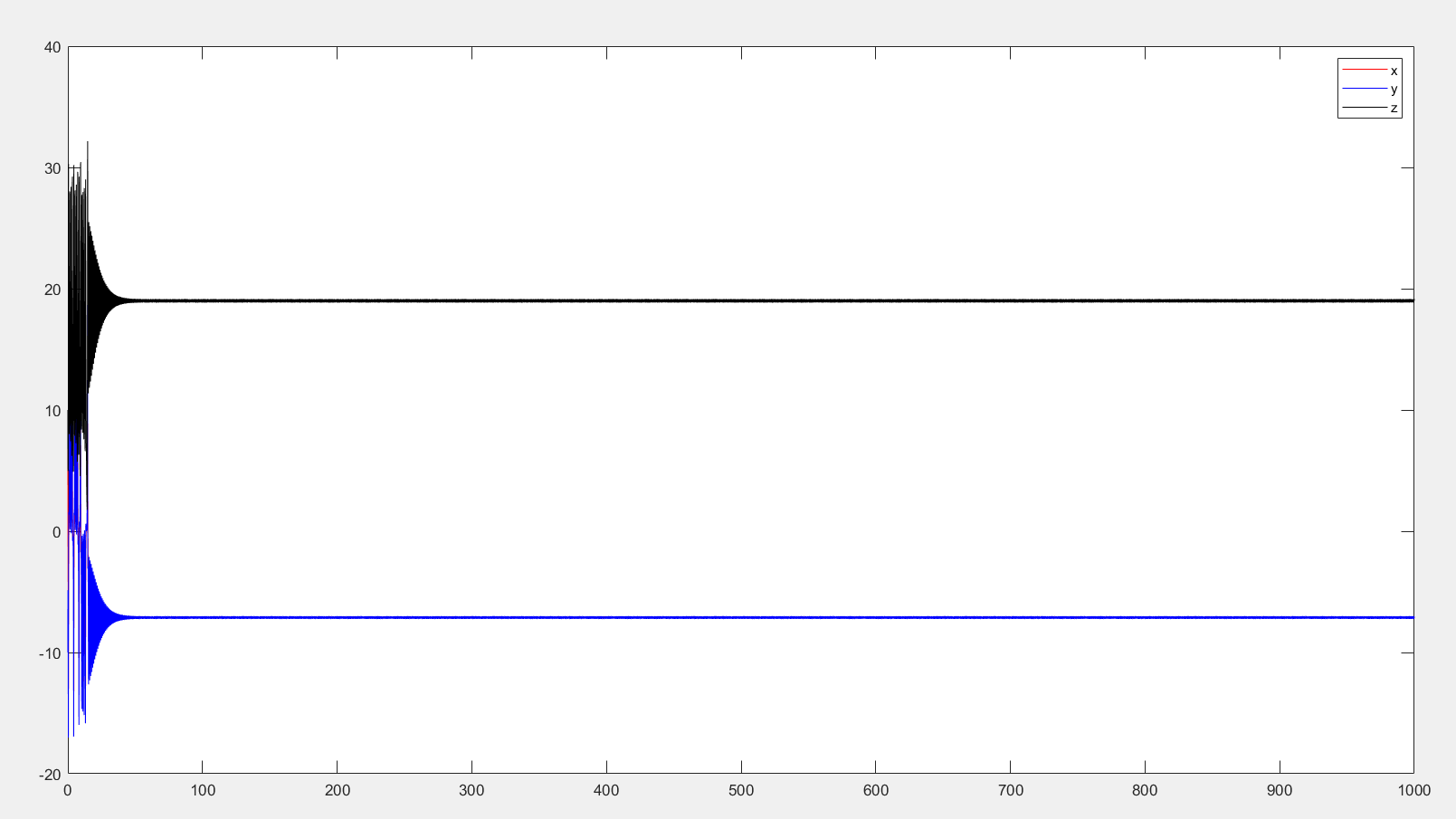
ρ=0.2 稳定

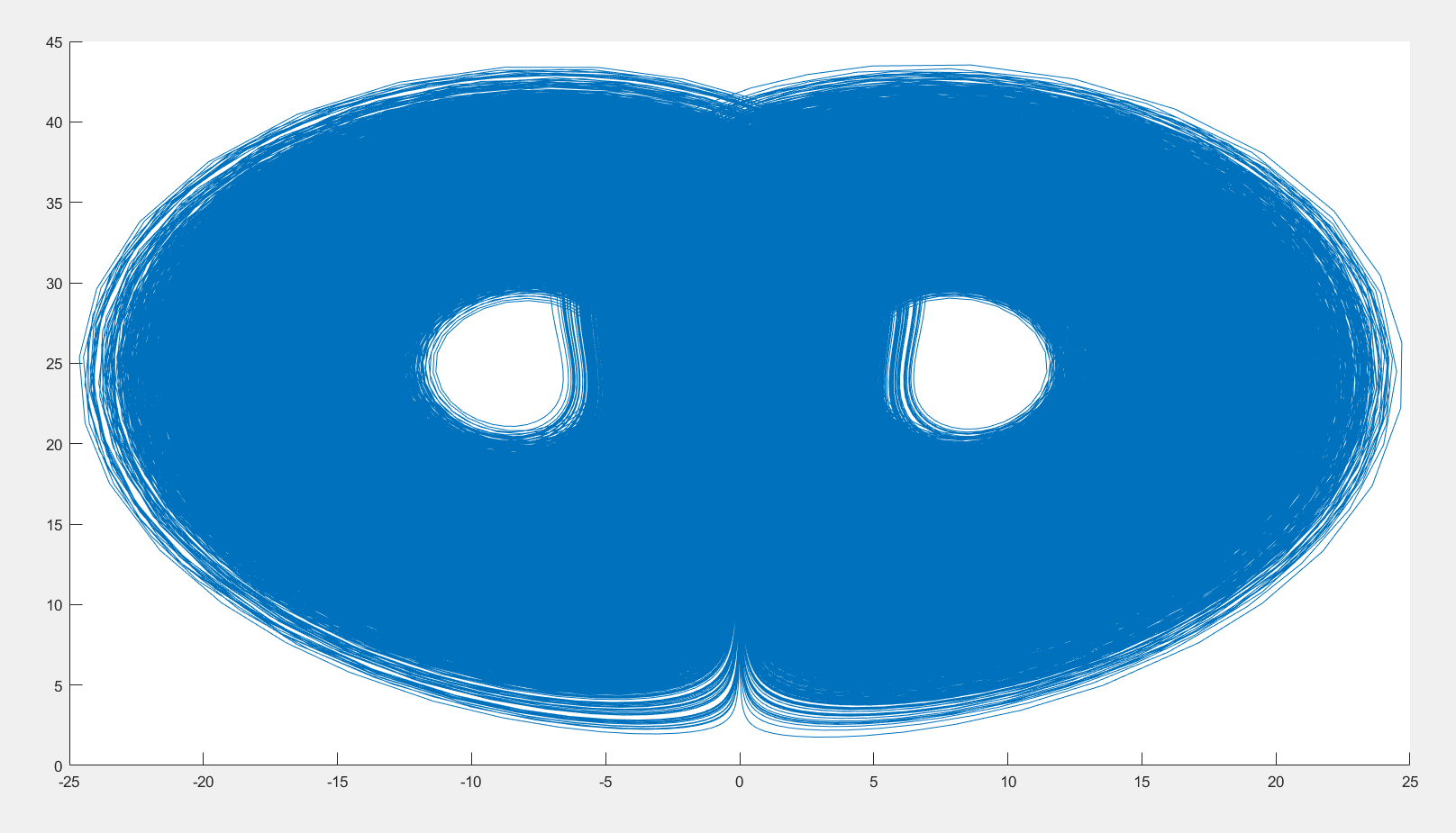
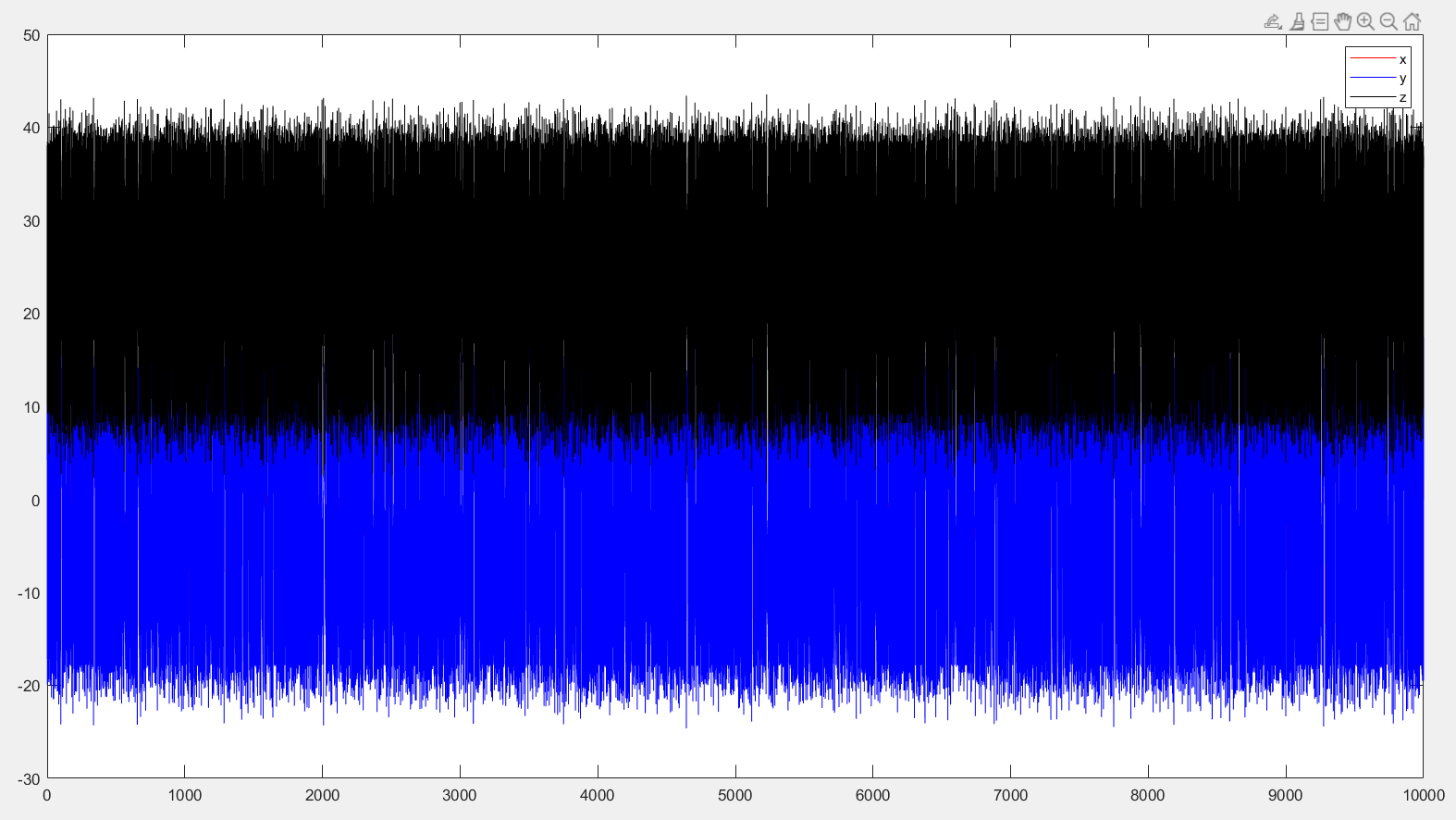




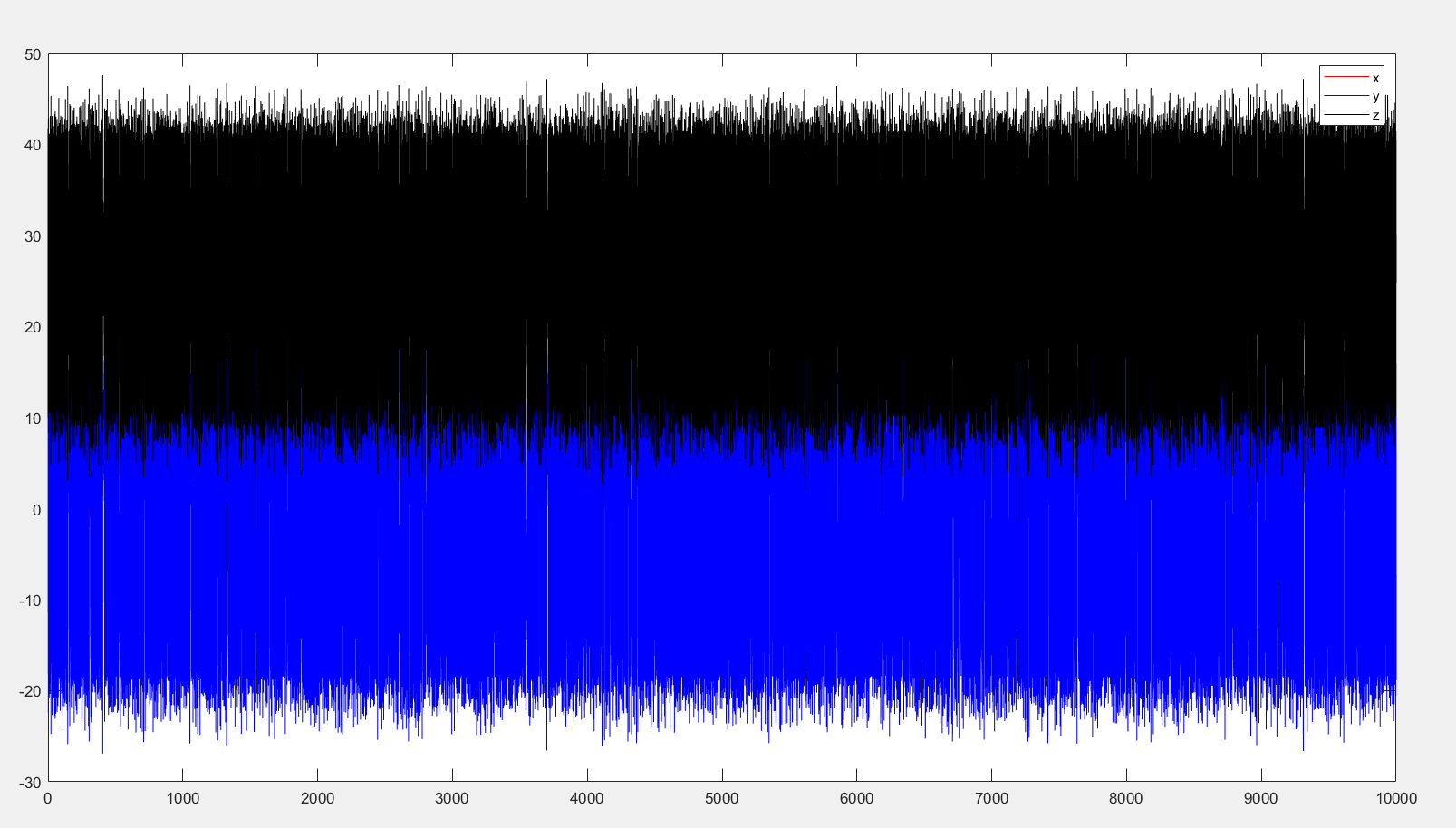
ρ=20 稳定

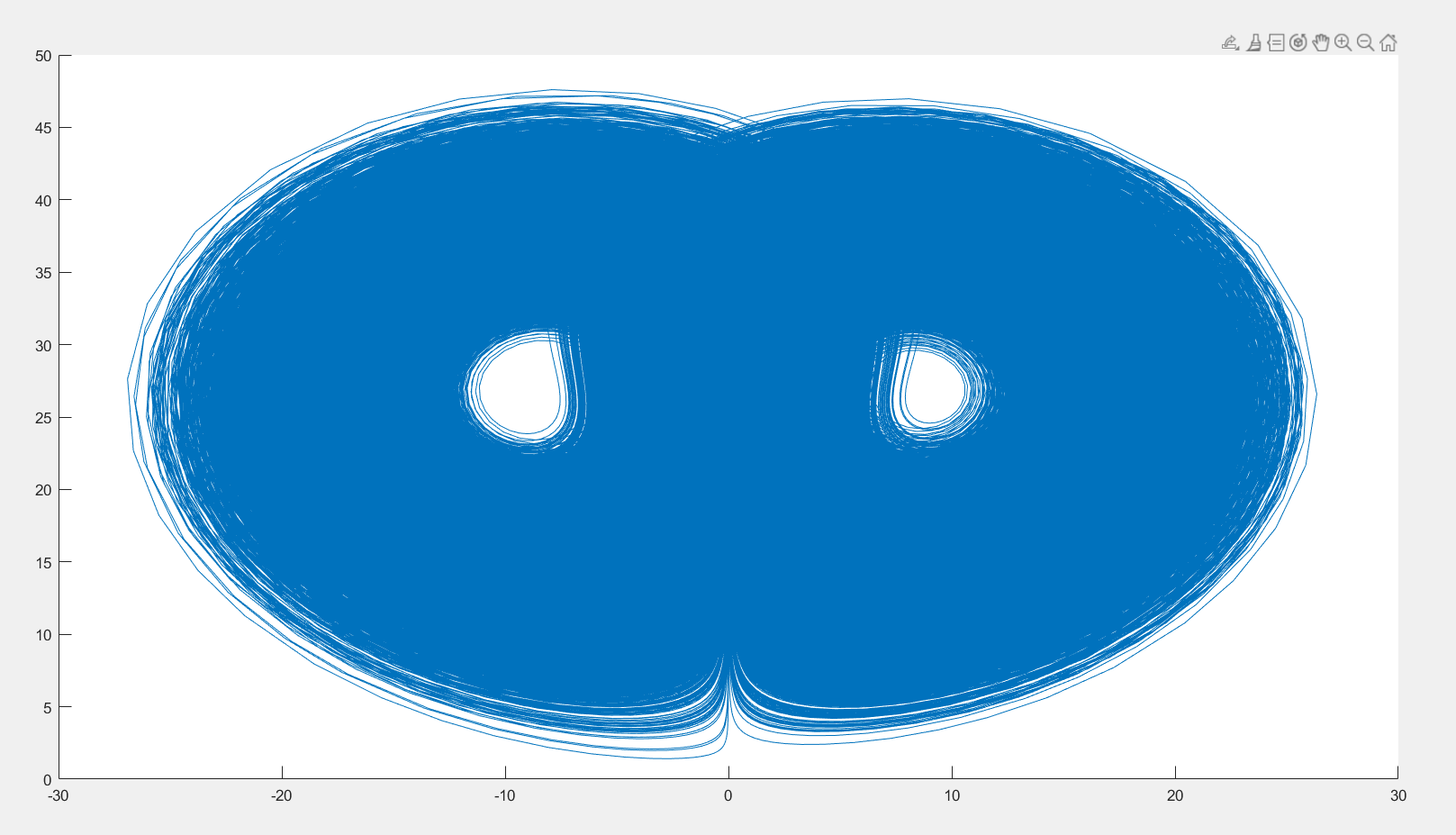


ρ=26 混沌（无极限环）

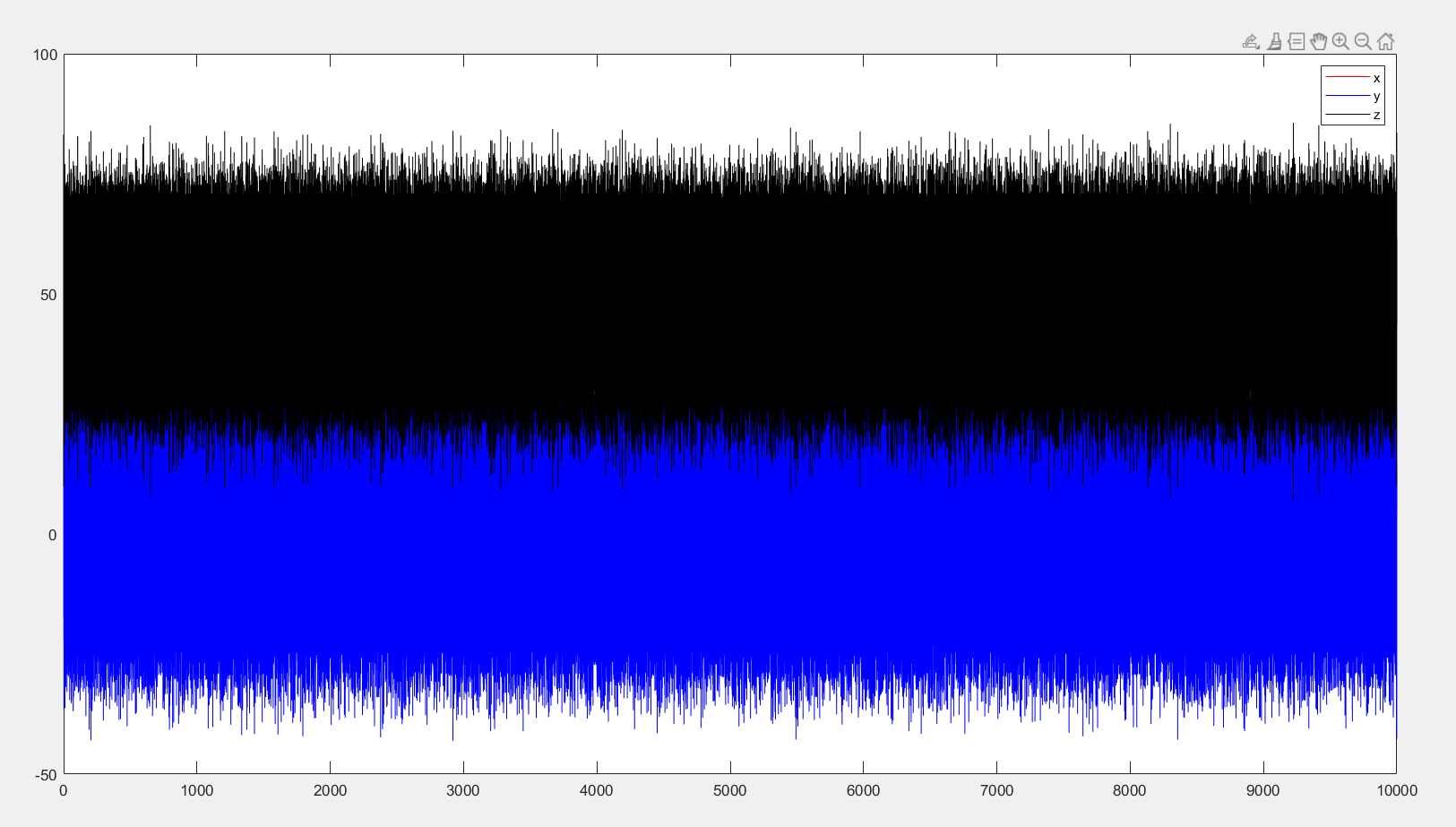


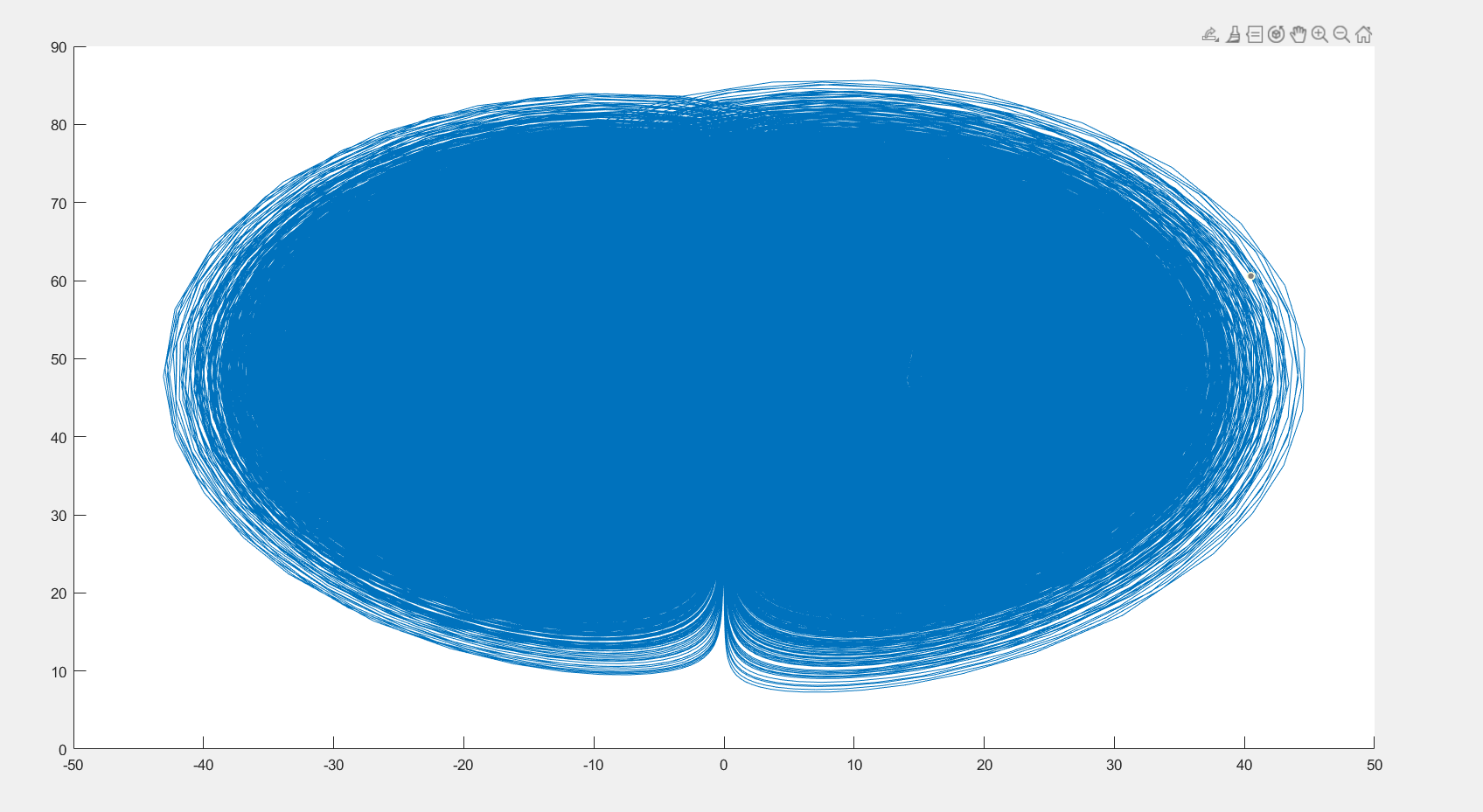
ρ=28 混沌（无极限环）



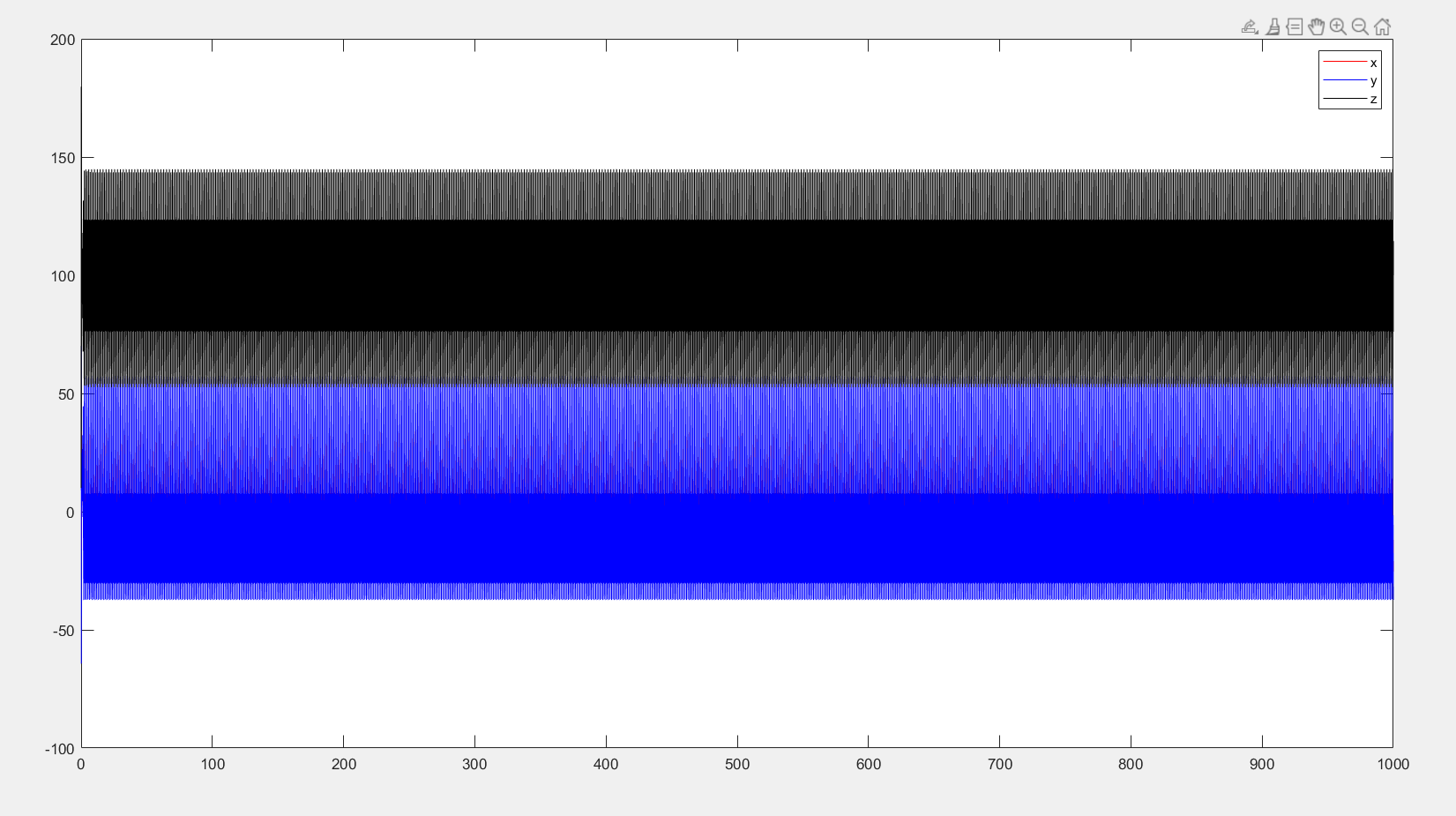


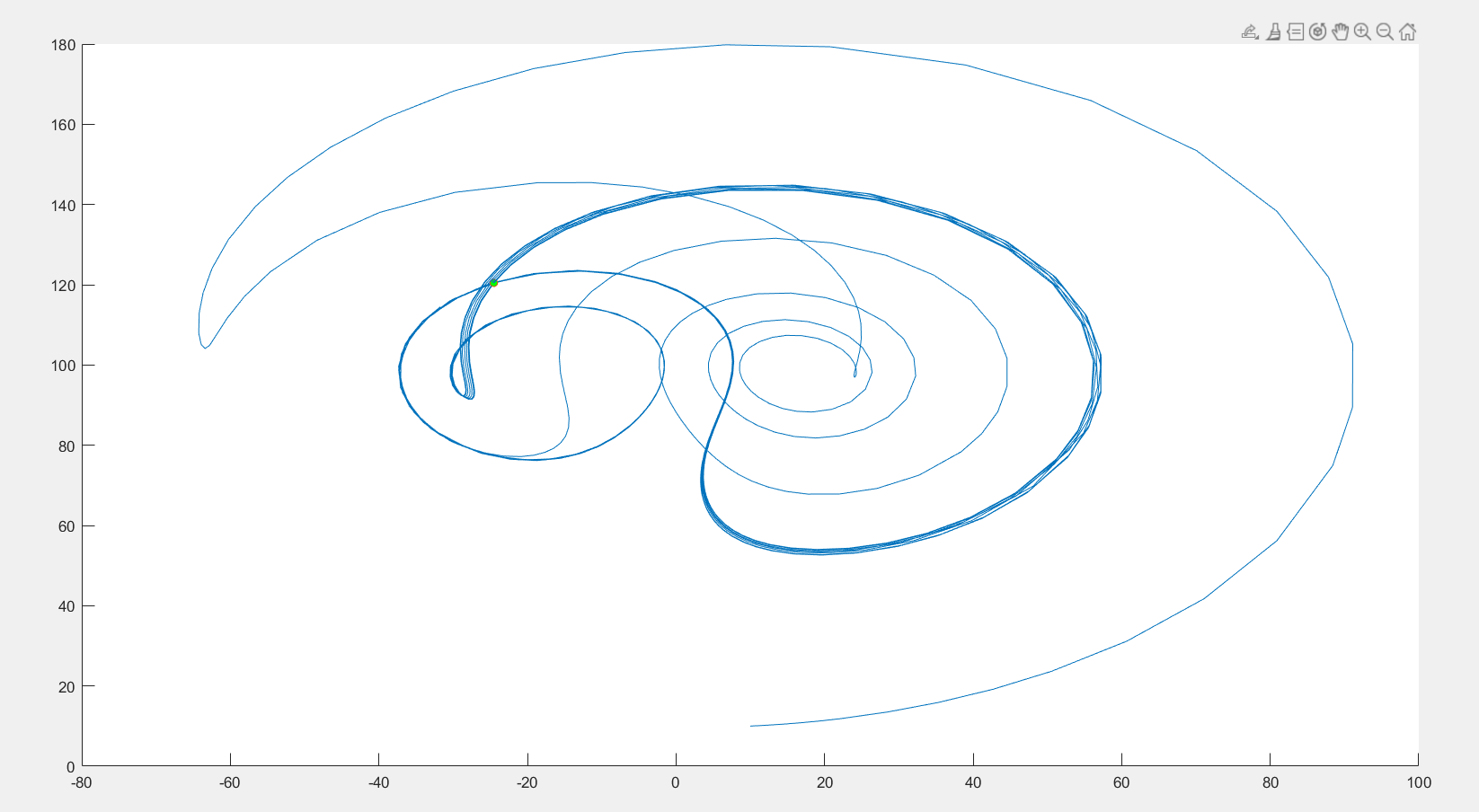
ρ=50 混沌（无极限环）



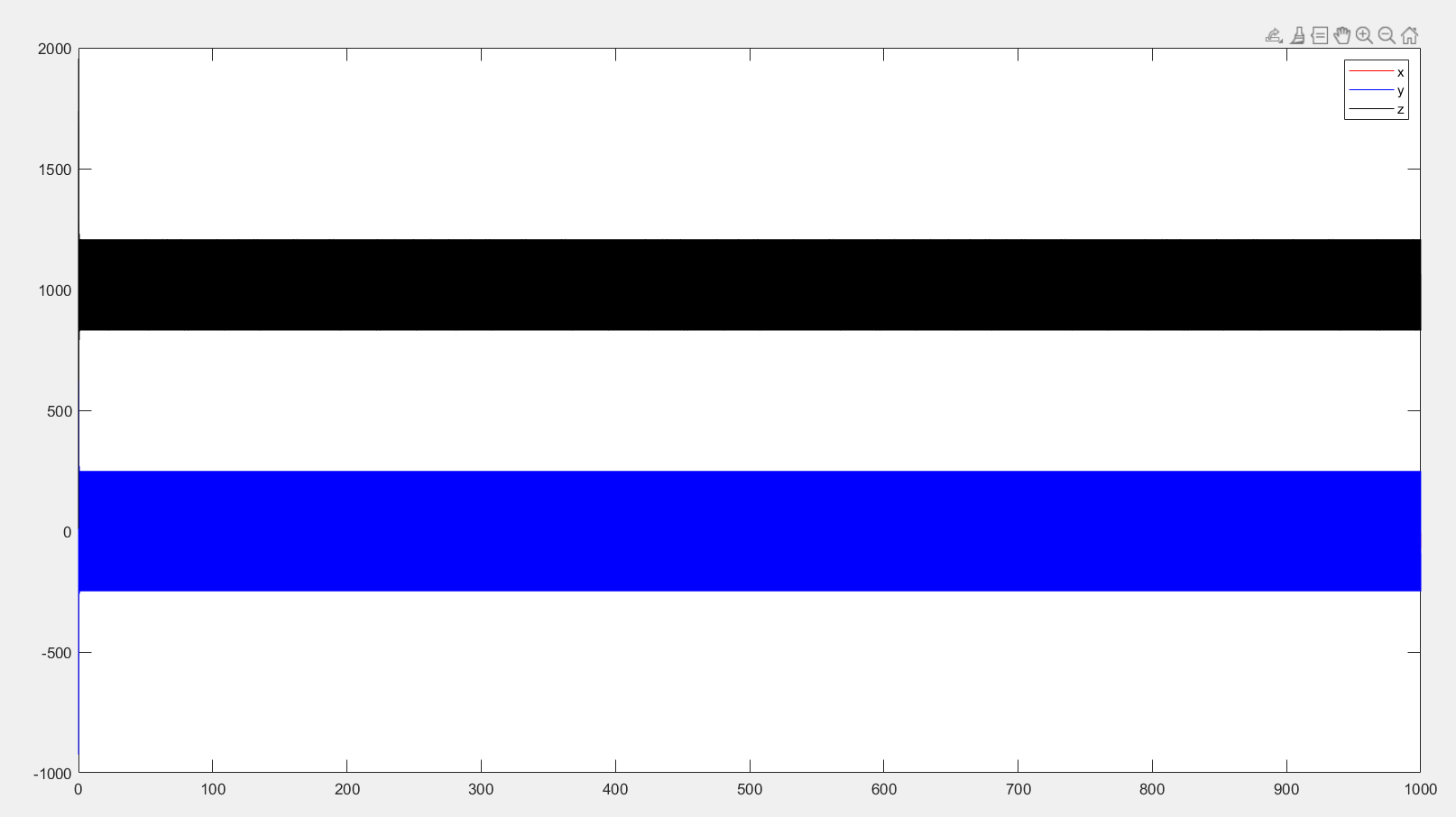


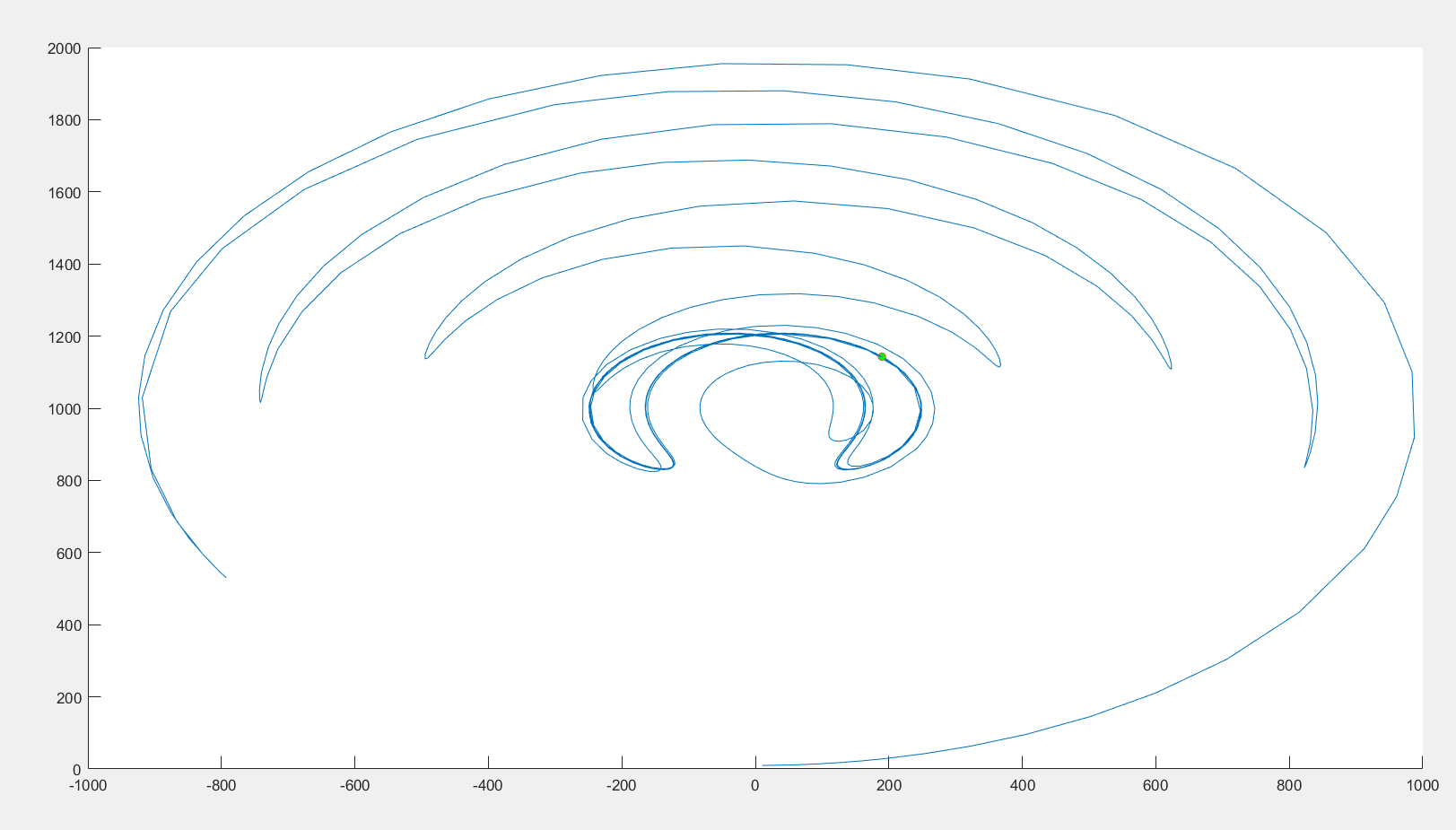
ρ=100 极限环





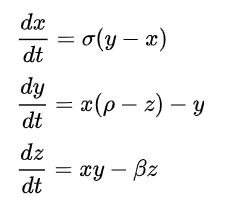
ρ=1000 极限环





课外知识

* 洛伦兹方程



* 历史
  + 1963
  + Edward Norton Lorenz
* σ=10，β=8/3，ρ可变
  + ρ<1，稳定
  + ρ=28，混沌