AE-625
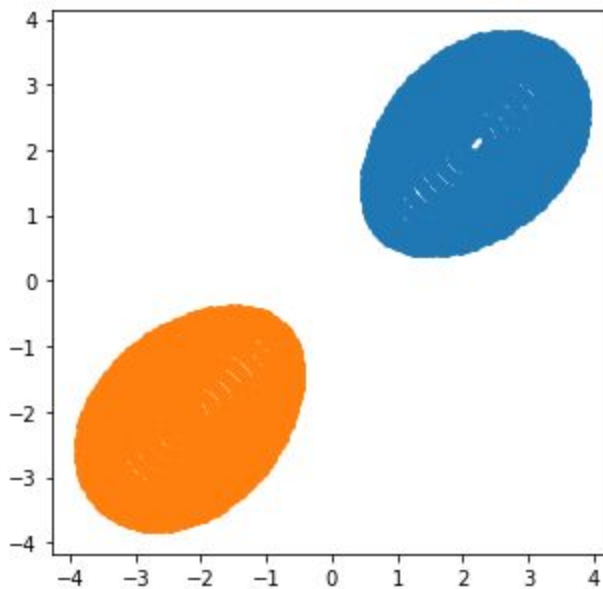# Assignment-3

Case1:
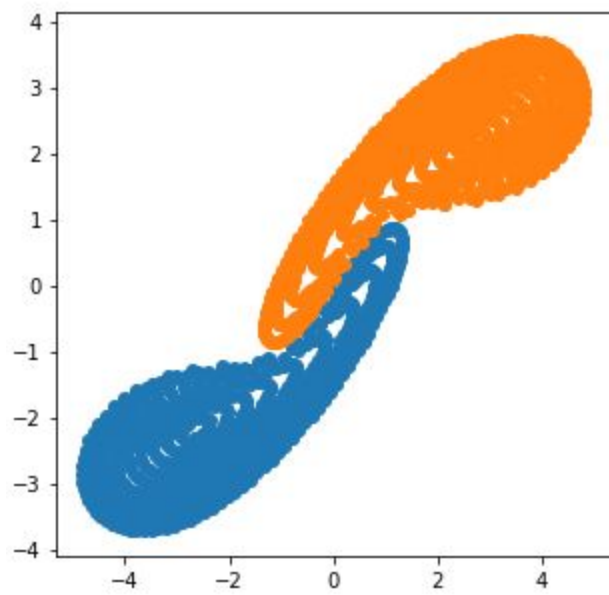
For merging two circular region:

dt=0.001, distance between the center of two circles=6, d=0.1, j=10, m=10,
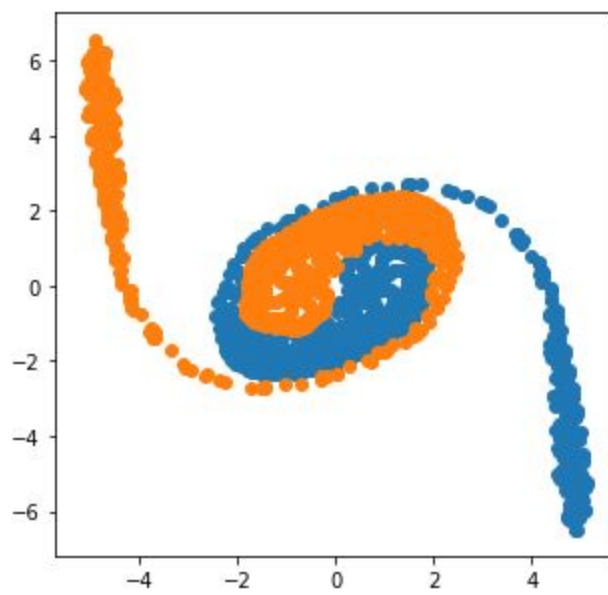 total runnig time = 1 sec, steps=1000, delta= 4*d
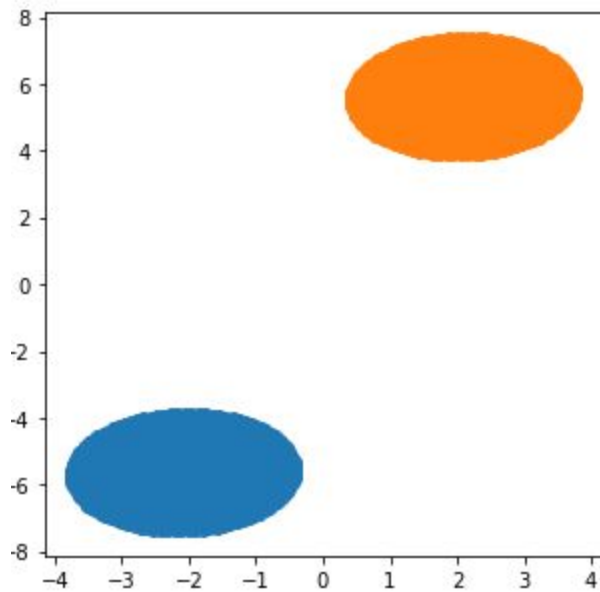
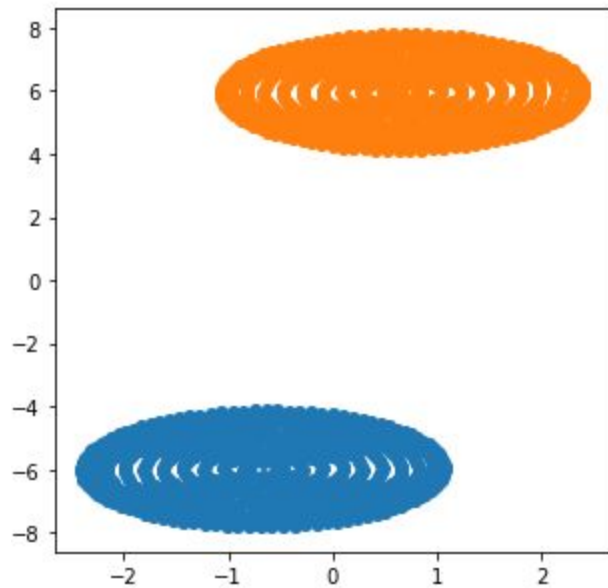**After steps: 400**

After steps=700

After steps:900

Case2: Behave as two point vortex:
dt=0.001, distance between the center of two circles=12, d=0.1, j=10, m=10,
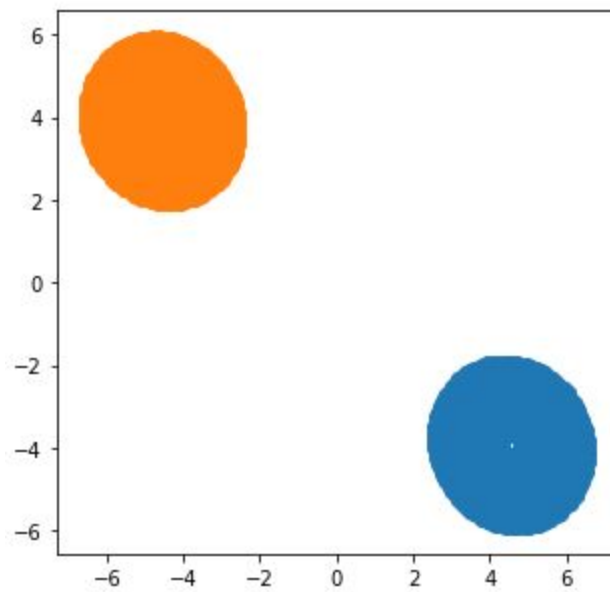total runnig time = 1 sec, steps=1000, delta= 4*d

After steps:500

Time step:600

After steps:1000

As we can see they are moving in a circular motion about the origin and not merging or exchanging any vortex.