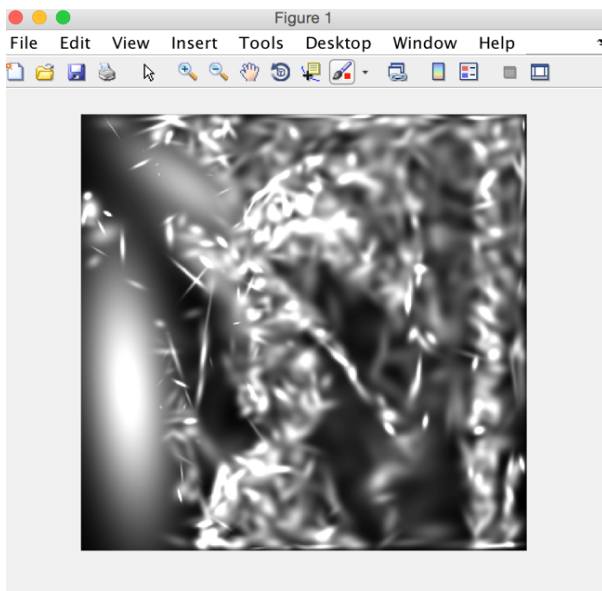
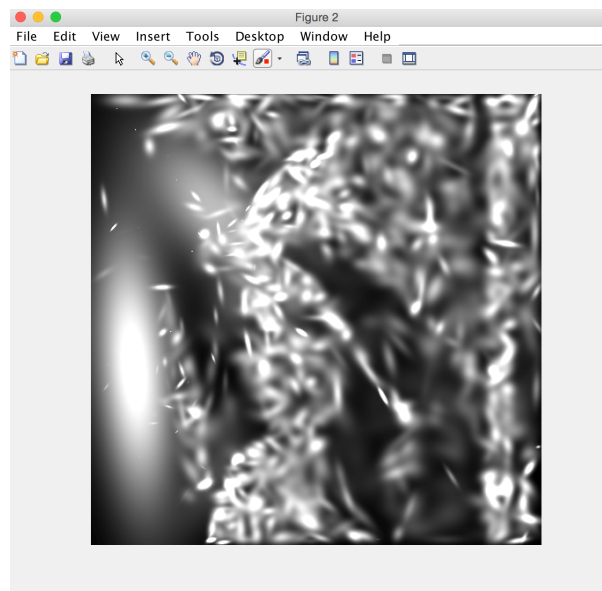


(1)Original Image without constraint of Sigma

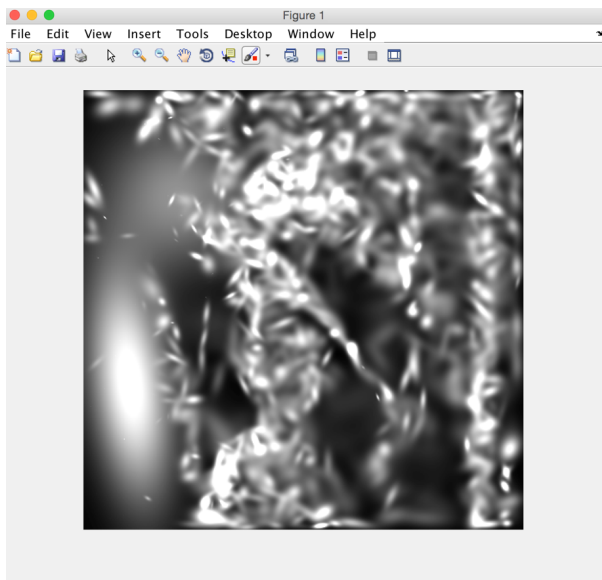
svd_factor: means if σ_x/σ_y or $\sigma_y/\sigma_x \geq \text{svd_factor}$, we need to adjust the σ_y and σ_x , then give back the new sigma.



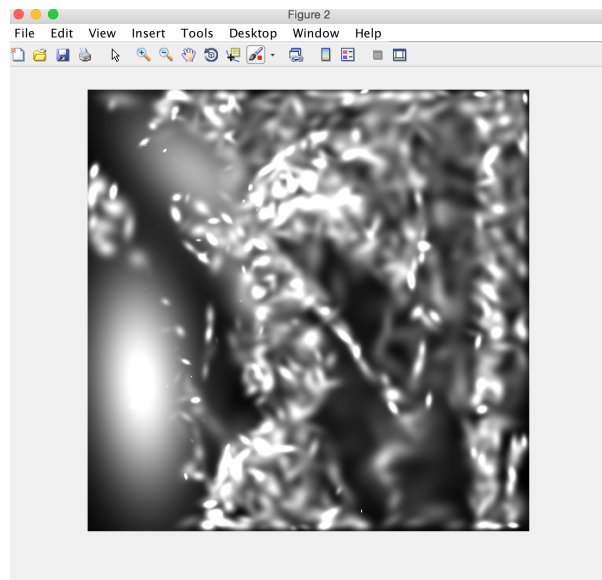
(2) svd_factor = 100



(3) svd_factor = 20



(4) svd_factor = 10



(5) svd_factor = 5