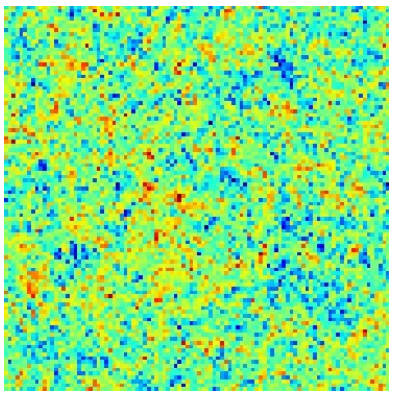
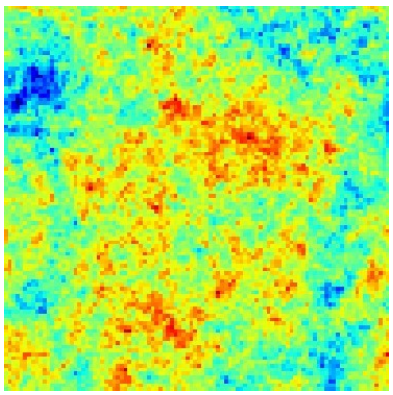
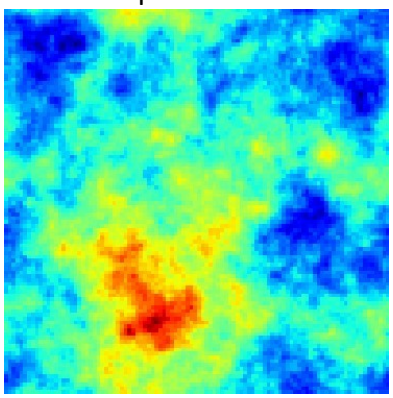
Random generated Gaussian fields with a specified power spectrum:



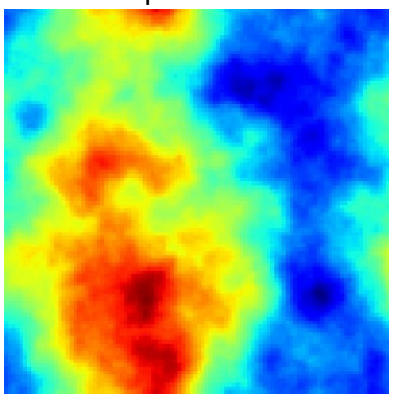
Spectrum 1



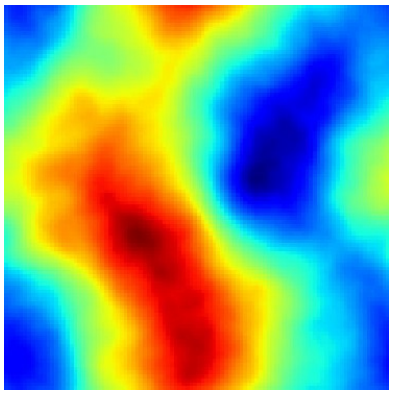
Spectrum 2



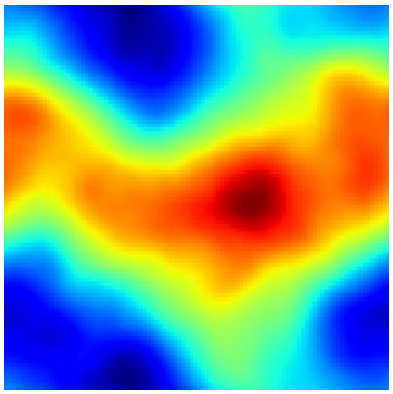
Spectrum 3



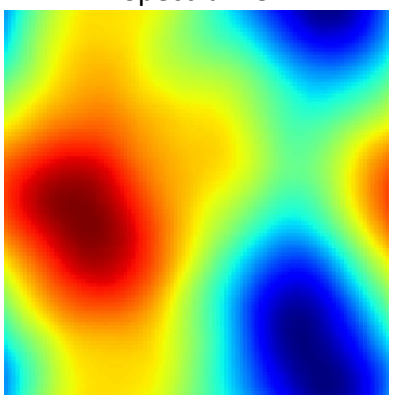
Spectrum 4



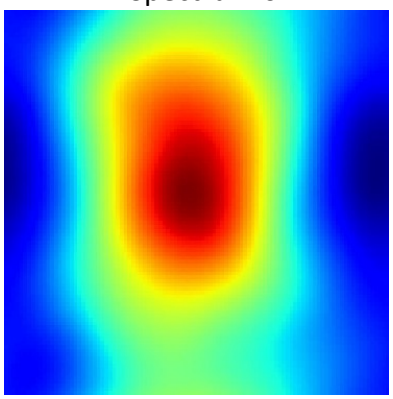
Spectrum 5



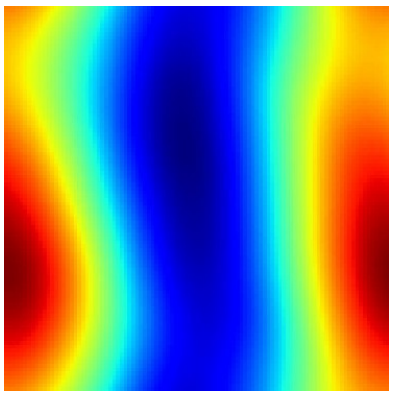
Spectrum 6



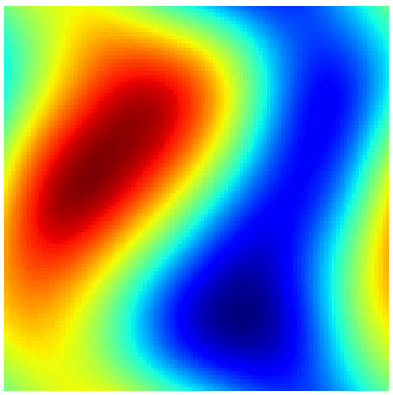
Spectrum 7



Spectrum 8



Spectrum 9



Spectrum 10

Images can be divided into tree groups:
1) “Noise” – spectrum 1-2. Most likely will be not recognized by autoencoder.
2) “Clouds” – spectrum 3-6. Should work in most cases.
3) “Bubbles” – spectrum 7-10. Should show the best results.

Data sets: numpy array saved as json file. Shape 100 x 100.
1) Clouds: 10.000 samples
2) Bubbles: 10.000 samples
3) Random: 10.000 samples, Clouds + Bubbles in random proportion
4) BigRandom: 10.000 samples, Noise + Clouds + Bubbles in random proportion