

## Code related to Chapter 5 of the manuscript:

“Independent random sampling methods”,  
by L. Martino, D. Luengo, J. Miguez.

### MAIN FILES:

- DEMO\_adaptiveRoU ==> script
- DEMO\_ROU\_GaussTarget ==> script
- Plot\_boundary\_of\_the\_region\_TwoDomains ==> script
- plot\_boundary\_of\_the\_region ==> script

### AUXILIARY FILES:

- BuildandPlot\_LinFun\_gars ==> function
- Inter\_between\_2Lines ==> function
- St\_Line\_Between\_2P ==> function
- Linearize\_Mod\_Pot\_forDEMO\_AROU\_1 ==> function
- Linearize\_Mod\_Pot\_forDEMO\_AROU\_2 ==> function
- Linearize\_Mod\_Pot\_forDEMO\_AROU\_3 ==> function
- Sampling\_Uniform\_in\_Triangle ==> function
- area\_x\_forDemoARoU ==> mat
- area\_y\_forDemoARoU ==> mat