

Georges Grekos.

Weighted exponential densities.

Joint work with Rita Giuliano (Pisa), to appear in *Mathematica Slovaca*, under the title “On the upper and lower exponential density functions” <http://webperso.univ-st-etienne.fr/~grekos/MaSlo15.pdf> We introduce the upper and lower exponential density functions of a set A of positive integers. They are weighted exponential densities with weights n^α , considered as functions of α . We identify completely the form of the upper density function and find properties for the lower one. We provide examples and list some open problems.