

# **Compte rendu TP3**

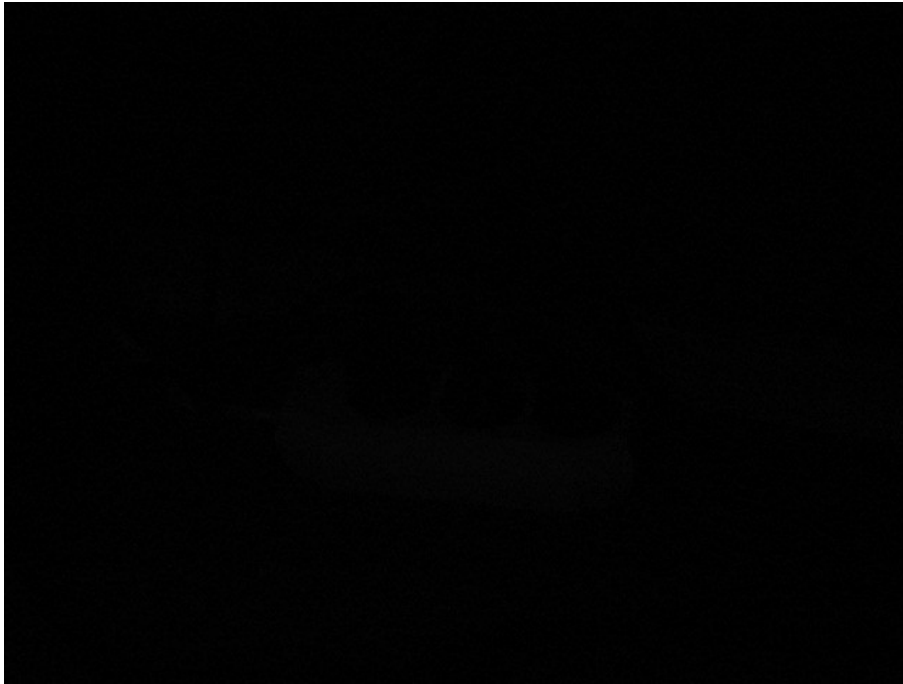
## Traitement de l'image

Tristan Cossin  
Master IMAGINA

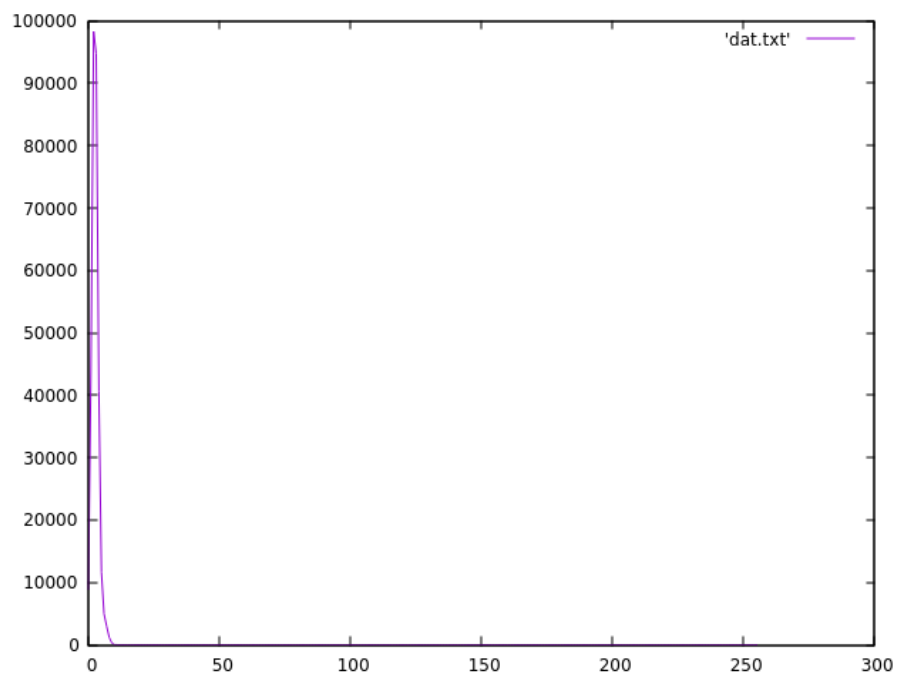
Fevrier 2016

- **Exercice 1 : Expansion dynamique**

Image PGM:



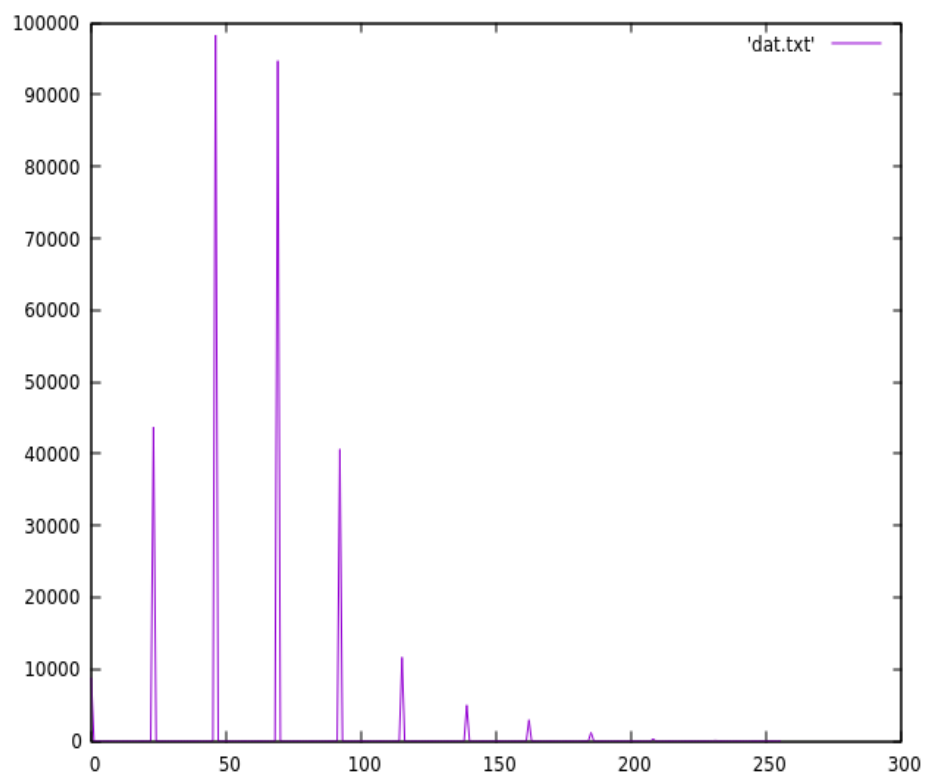
*Image originale*



*Histogramme image originale*



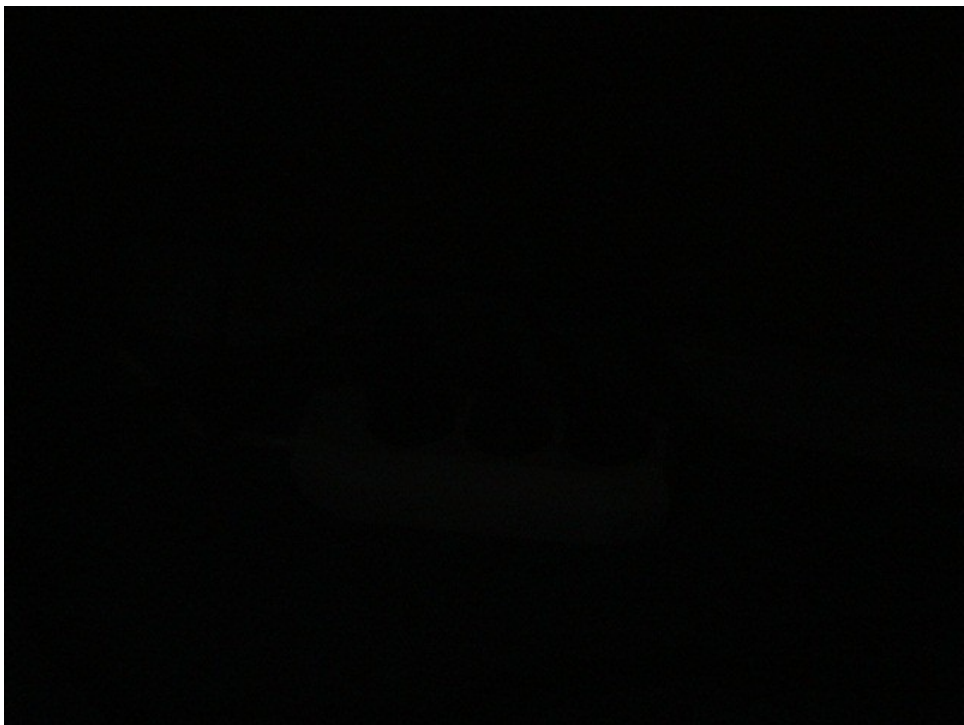
*Image après expansion dynamique*



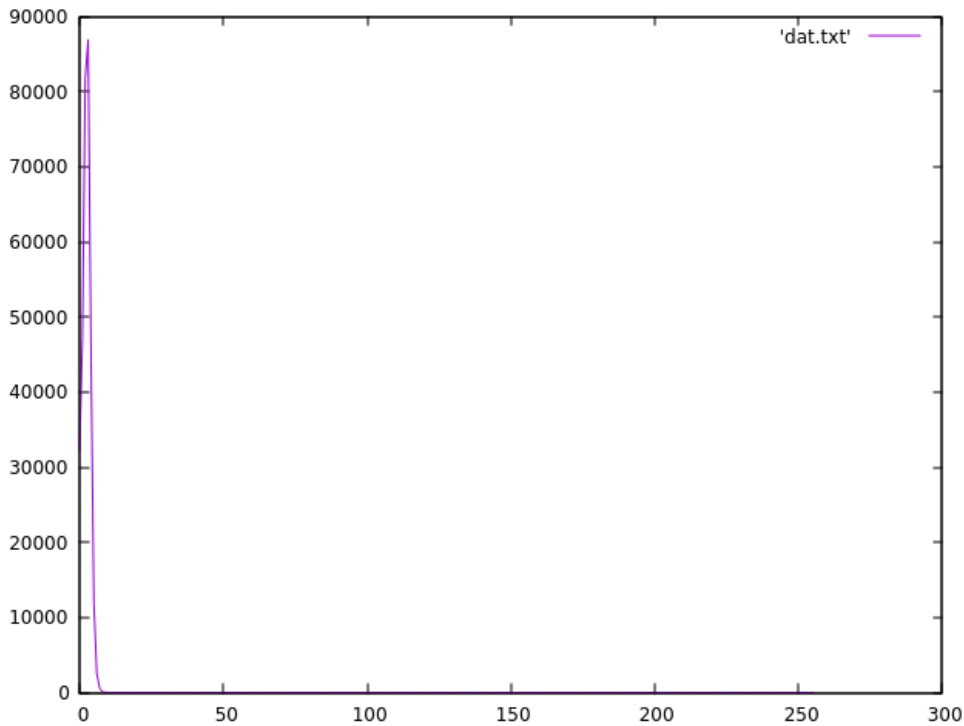
*Histogramme image après expansion*

Alpha = 0  
Beta = 23

Image PPM:



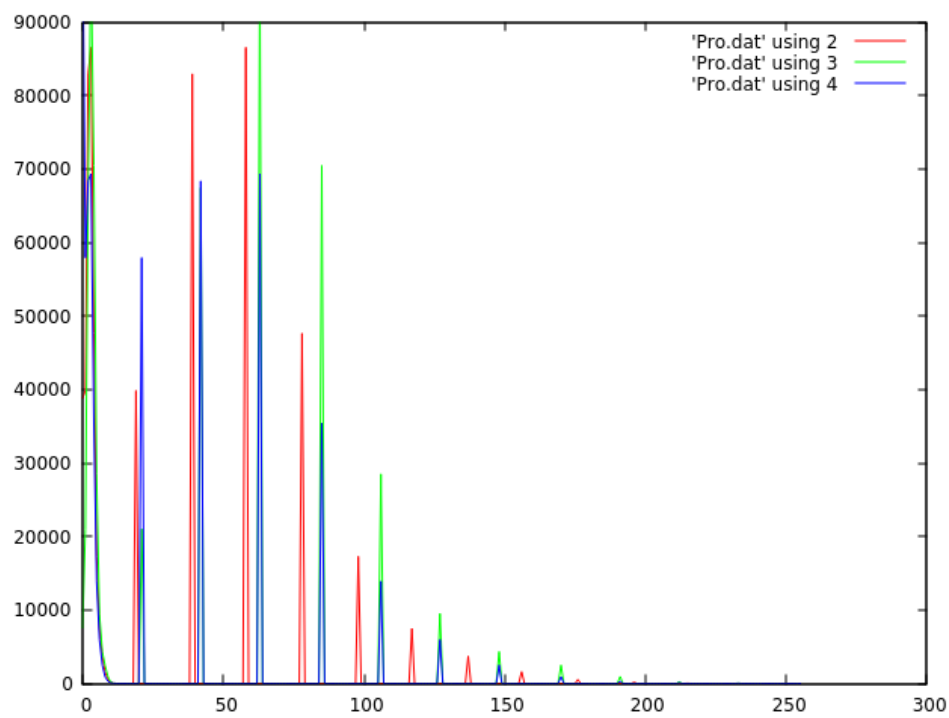
*Image originale*



*Histogramme image originale*



*Image après expansion dynamique*



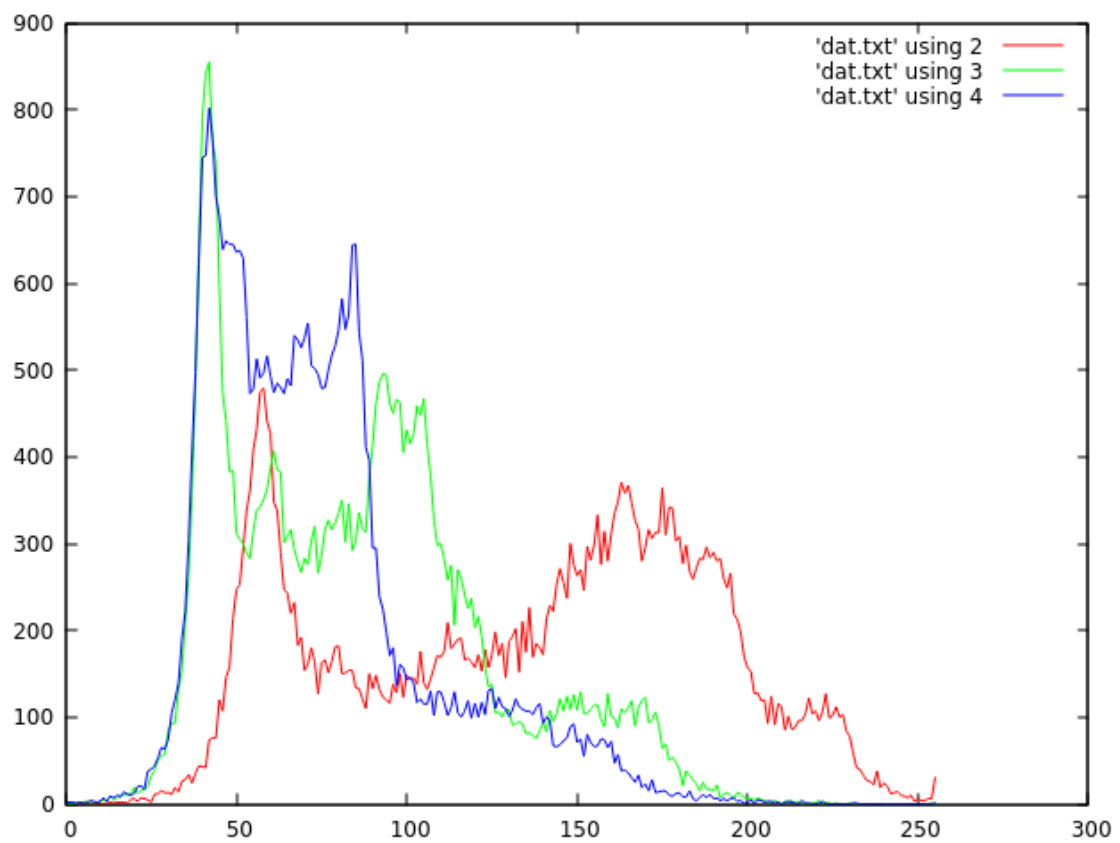
*Histogramme image après expansion*

Alpha Rouge = 0  
 Beta Rouge = 19  
 Alpha Vert = 0  
 Beta Vert = 21  
 Alpha Bleu = 0  
 Beta Bleu = 21

- **Exercice 1 : Seuillage des extrema des trois histogrammes**



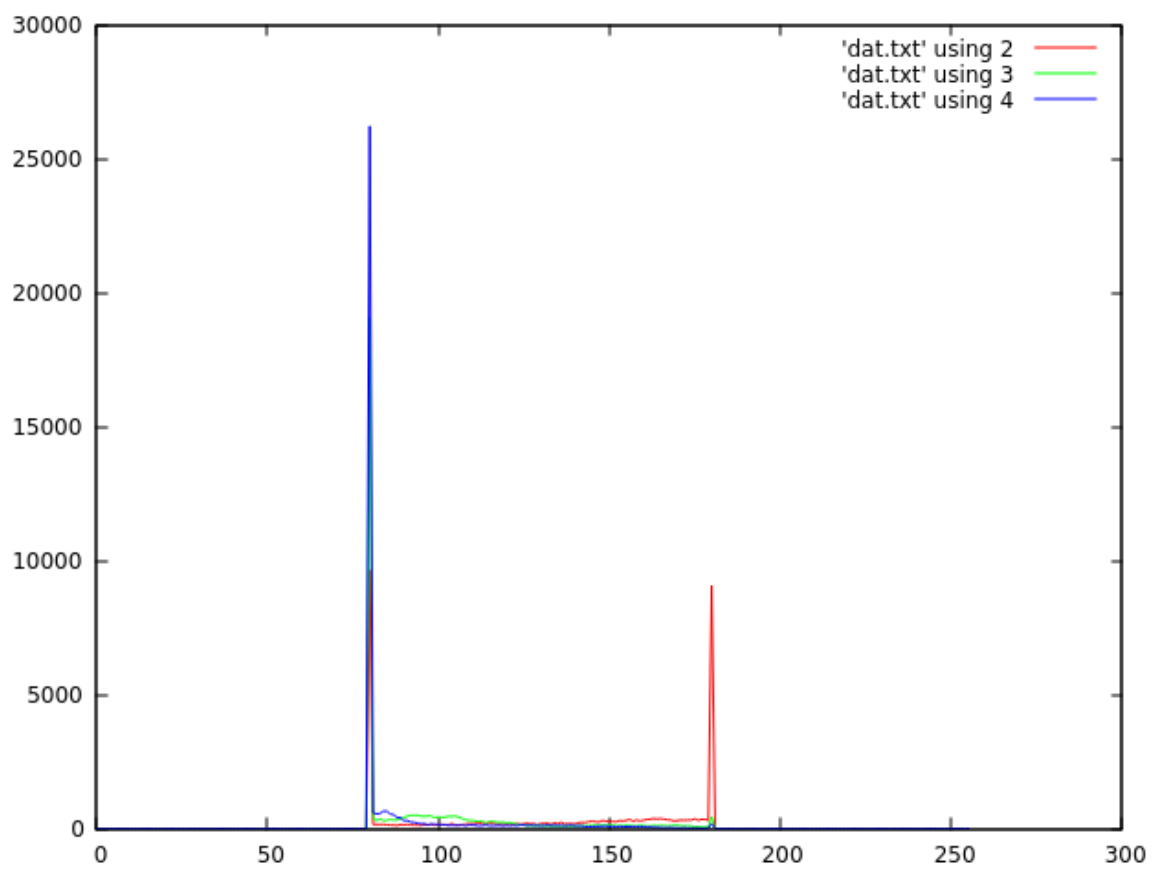
*Image originale*



*Histogramme image originale*



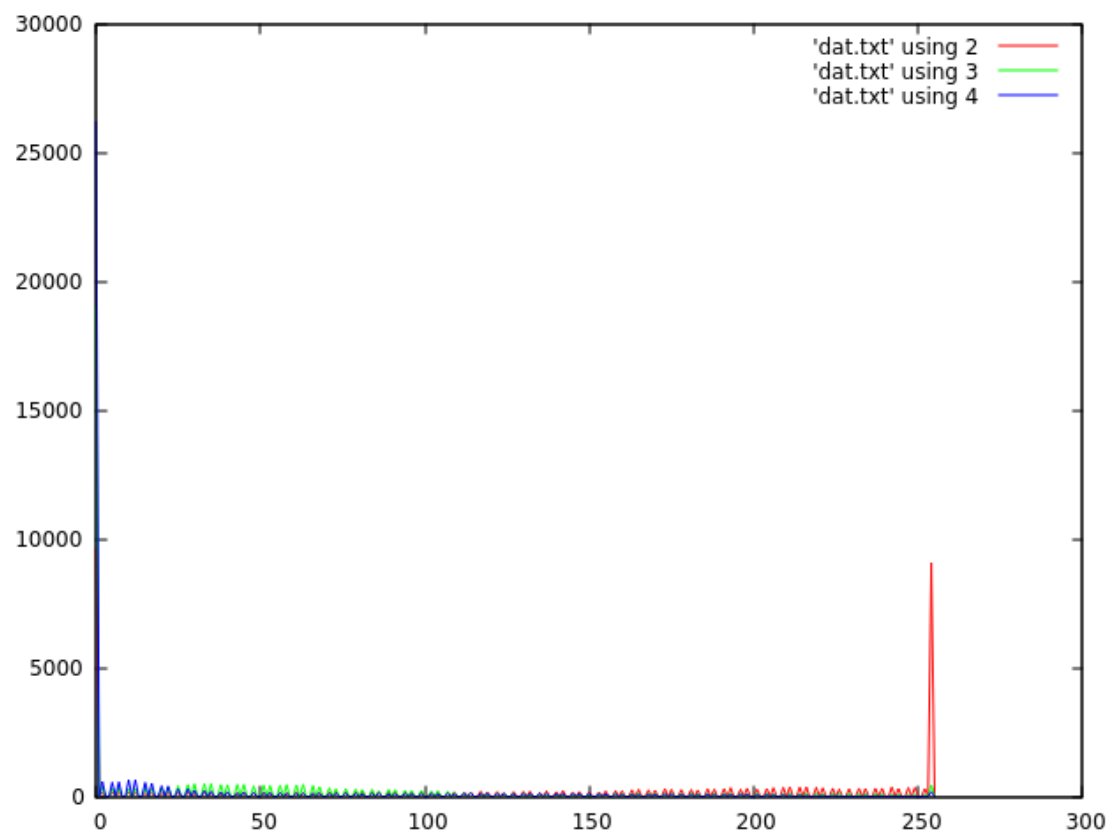
*Image seuillé*



*Histogramme image seuillé*



*Image seuillé après expansion*



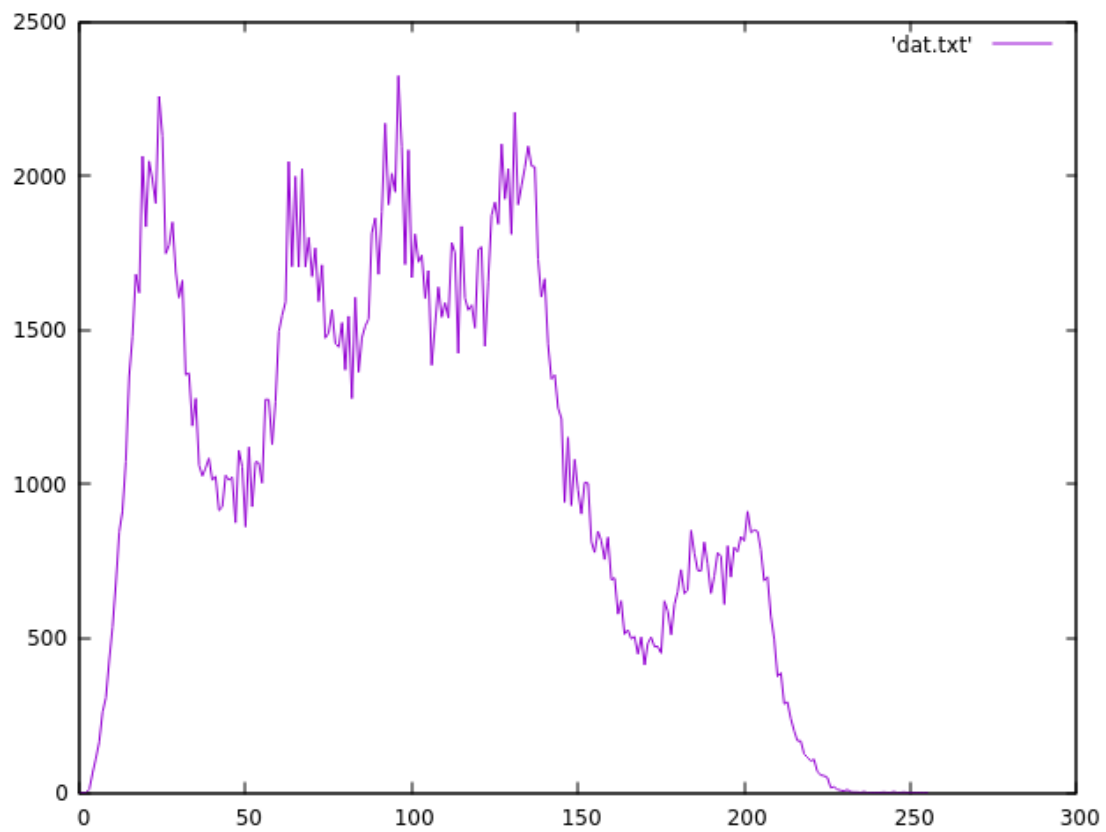
*Histogramme image seuillé après expansion*



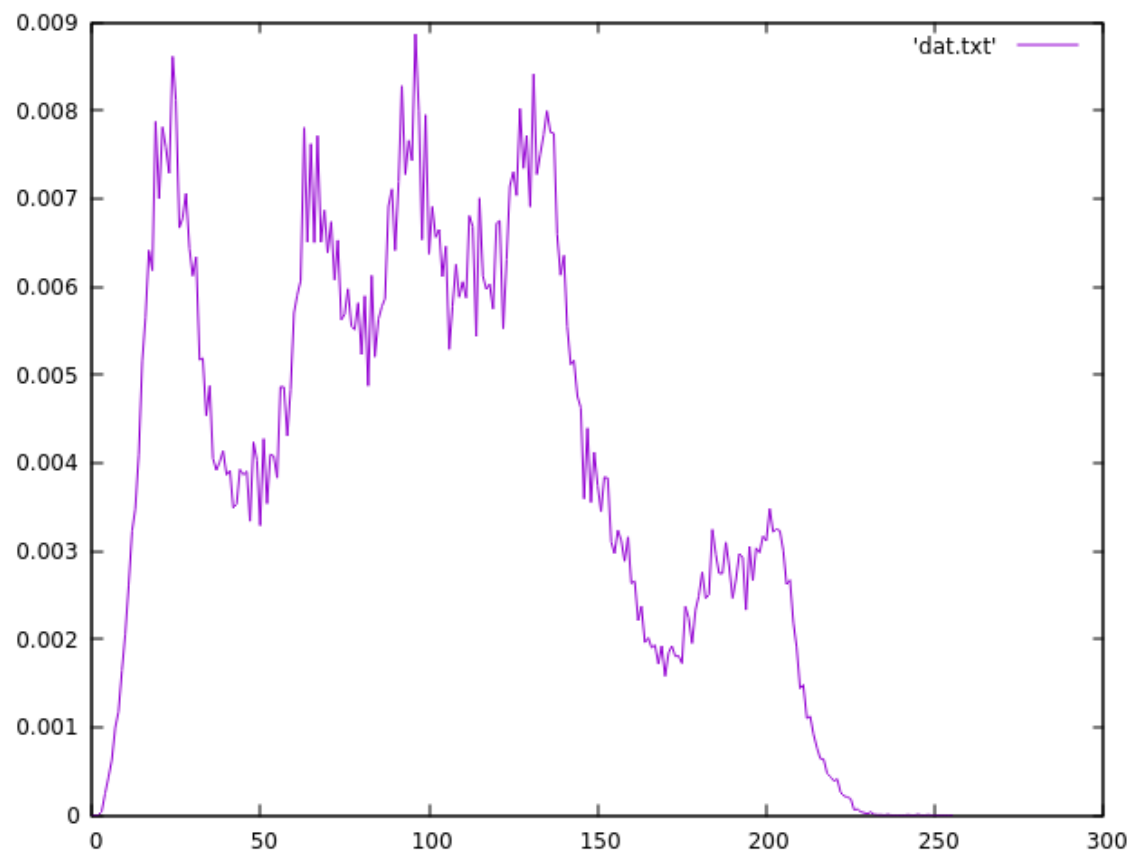
- **Exercice 1 : Egalisation d'histogramme**



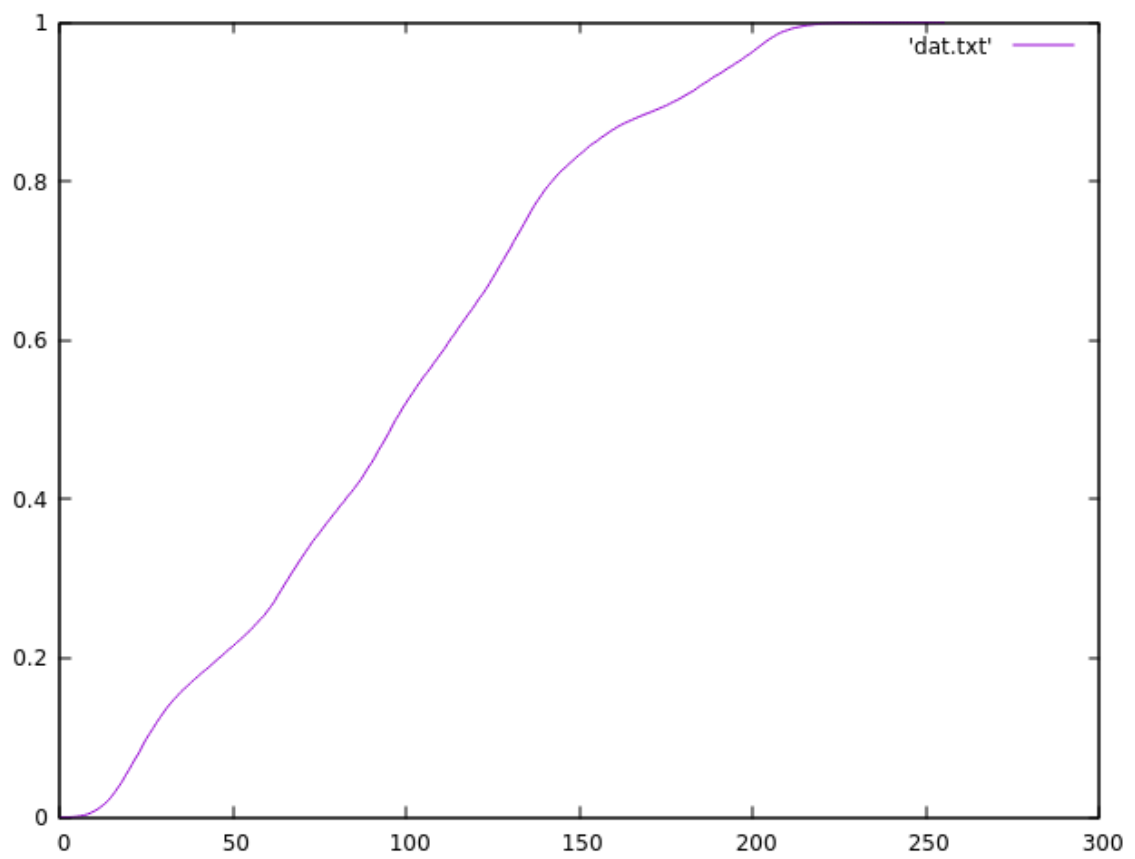
*Image originale*



*Histogramme image originale*



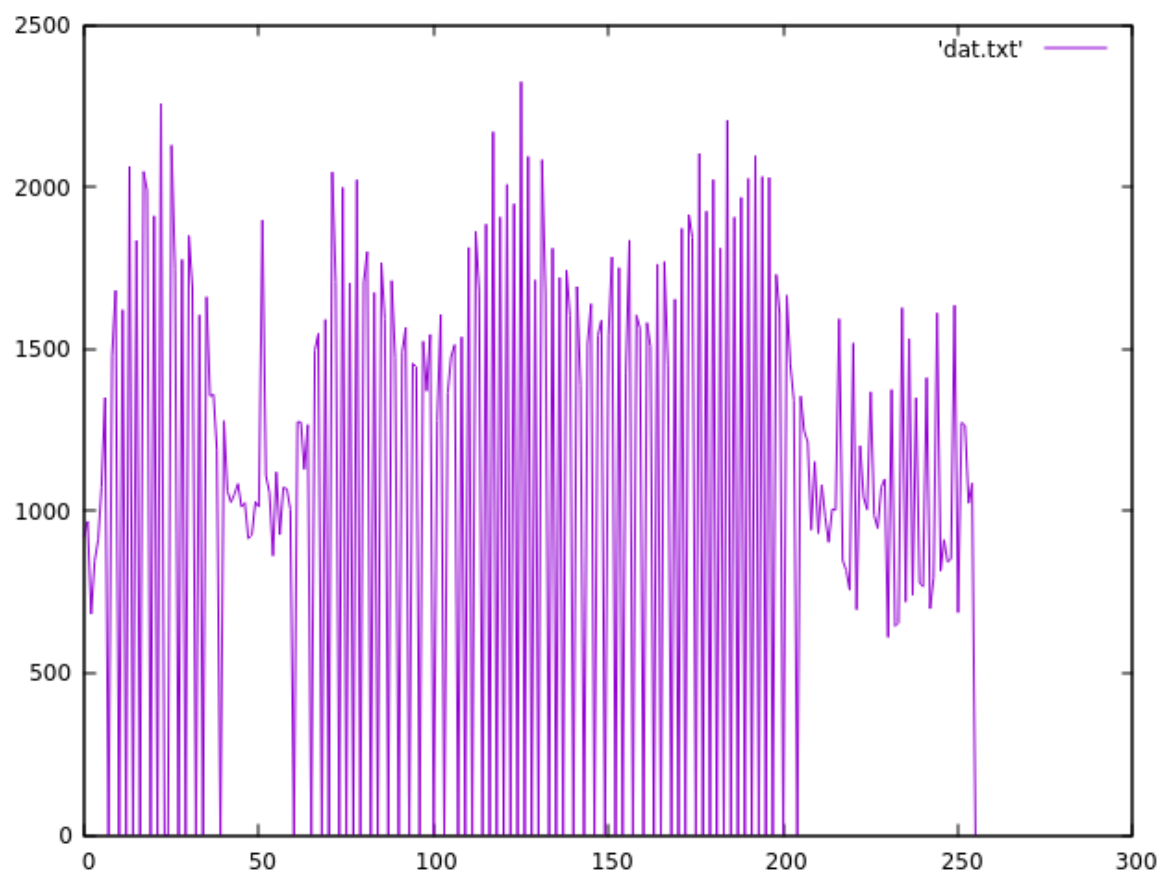
*Courbe densité de probabilité*



*Courbe fonction de répartition*



*Image égalisé*



*Histogramme image égalisé*