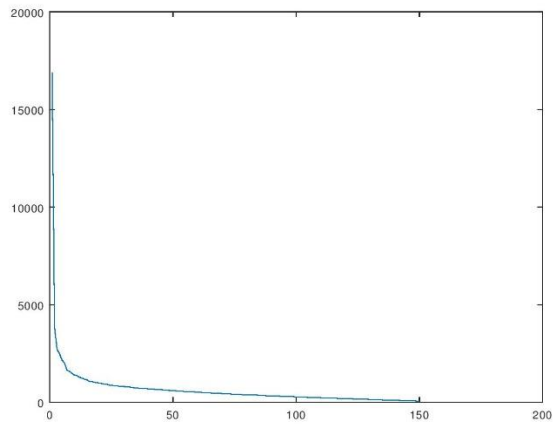


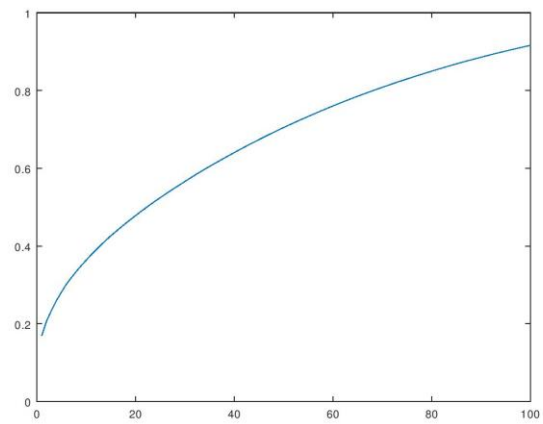
**TASK 2 :**

Graphic “image2.gif”, for  $k = 100$  :

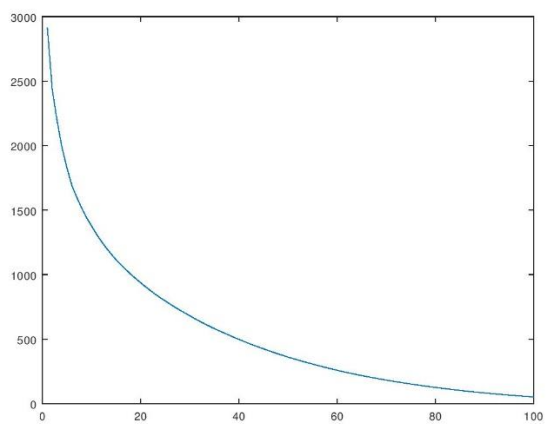
**Singular values**



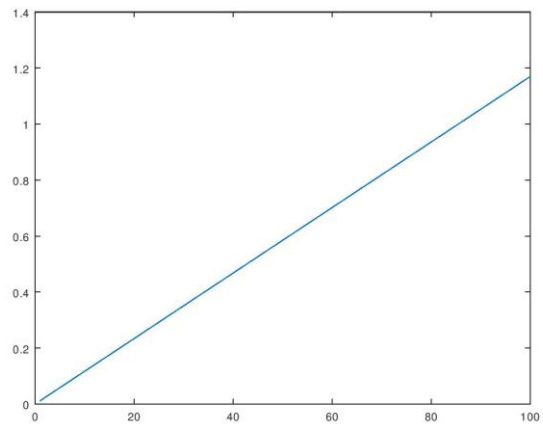
**The intel given by the first 'k' singular values**



**The error of approximation**



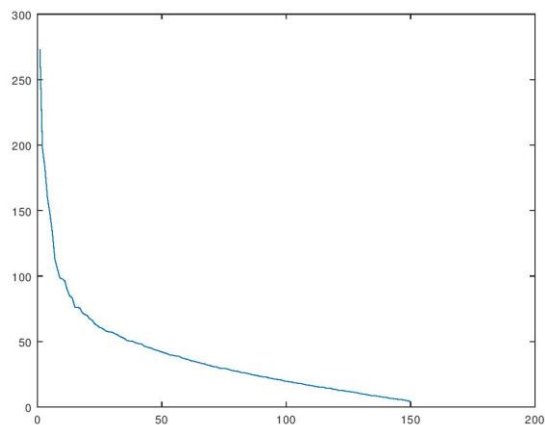
**The compression rate of data**



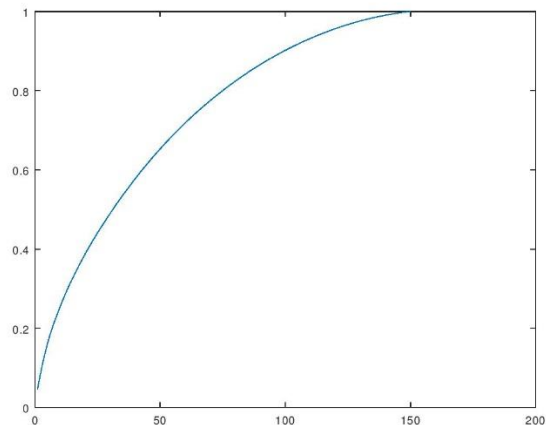
## **TASK 5 :**

Graphic “image2.gif”, for  $k = 150$  :

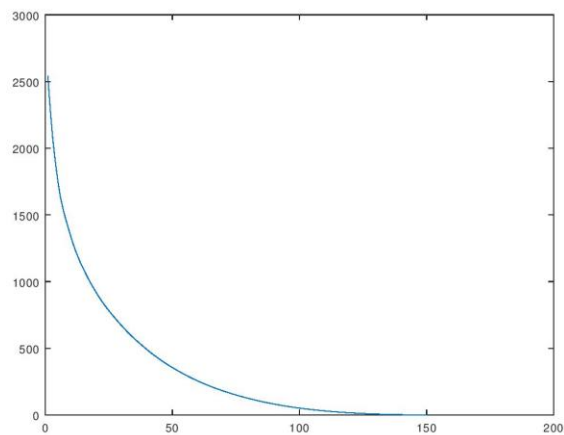
**Singular values**



**The intel given by the first 'k' singular values**



**The error of approximation**



**The compression rate of data**

