

Download data (<http://sipi.usc.edu/database/database.php?volume=misc>)

File: ruler.512.tiff

Requirement:

Use SVD to find the best rank-5 approximation to the matrix (ruler.512.tiff) and view this matrix as an image. Repeat for rank-10, rank-20, rank-50, rank-100 and rank-200.

Submit (a) A report (pdf) including sections of problem, data, method and results;  
(b) A package including code, make file (if necessary) and readme (how to run your code).

Due:

03/3/2019 for undergraduate students

02/28/2019 for graduate students