

Deadline 16/04/2020 23h59

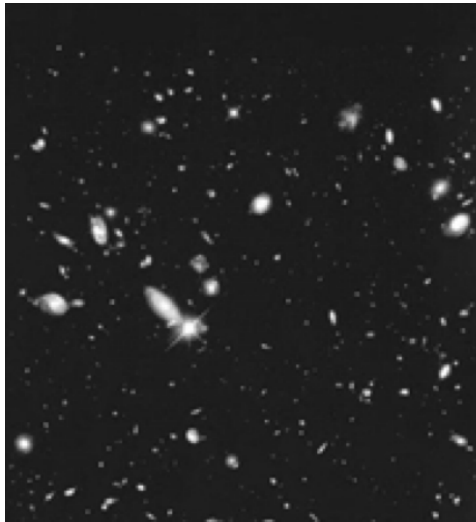
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Instructions to the candidates:

## 1 Binary morphology

Goal: analyse the effects of the basic operators.

Load the image "hubble"



Binarize this image, apply erosions with different size of structuring elements. Always on the binary image apply dilatations with different size of structuring elements. Use the same approach for opening and closing.

Conclusions.

Propose a method to measure the granulometry in that image.

Join a copy of your Matlab code.

BsCV

## 2 Gray level morphology

On the original image apply the same operators

Goal: test on an example

load the image "Moon"



Apply the different morphological primitives on that image with different size of structuring elements

Try also more complex operations such as morphological gradient, white top hat or black top hat, or hit or miss.

Conclusion.

Join a copy of your Matlab code.