

```
1 %% 讀圖並加高斯雜訊
2 s = phantom(512) + randn(512)*0.1;
3 figure, imshow(s,[])
4 % info =imfinfo('IC image 圖片1.png')
5 info = imread('圖片1.jpg');
6 info2=rgb2gray(info);
7 % info2=imresize(info1,[256 256])
8 figure;imshow(im2double(info2),[])
9
10 %
11 % info = imread('MRI images (2).jpg');
12 % info2=rgb2gray(info);
13 % % info2=imresize(info1,[256 256])
14 % figure;imshow(im2double(info2),[])
15
16 % 利用非均向性濾波去除雜訊
17 num_iter = 40;
18 delta_t = 0.2;
19 kappa = 8;
20 option = 2;
21 ad = anisodiff2D(info2 ,num_iter,delta_t,kappa,option);
22 figure (11), imshow(info2,[])
23 figure (12), imshow(ad,[])
24
25 info = imread('圖片1.jpg');
26 info2=im2double(rgb2gray(info));
27
28 Dd=30;
29 K = imbilatfilt(info2,Dd,2);
30 figure (11), imshow(info2,[])
31 figure (12), imshow( K,[])
32 title(['Degree of Smoothing: ',num2str(Dd),' , Spatial Sigma: 2'])
33
34
35
```