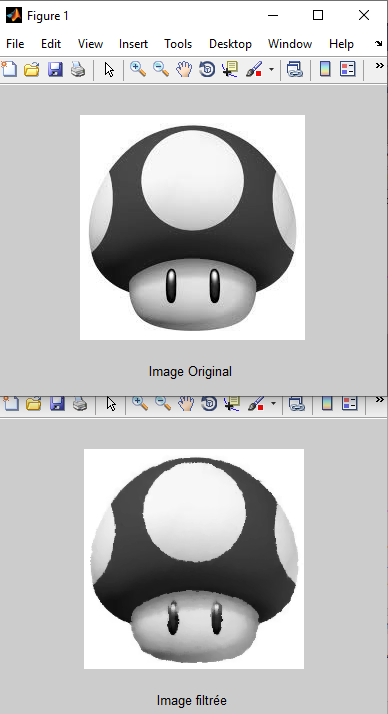
**FILTRE MEDIANE AVEC BRUIT P & S**



%------------------- FILTRE MEDIAN 3x3 BRUIT P&S --------------------------

clc;

close all;

clear all;

I = imread('pic.bmp');

[U,V] = size(I);

d=uint8(sqrt(U\*V\*25/100));%Affectation de l'image original 25%

figure(1);

imshow(I);

xlabel('Image Original');

%-----------------------------BRUIT----------------------------------

for i=1:d;

for j=1:d;

k= rand(1,1)\*255

if k <128

k=0;

else

k=255;

end

I(uint16((U-1)\*rand(1,1))+1,uint16((V-1)\*rand(1,1))+1)=uint8(k);

end

end

%--------------------------------------------------------------------

f=5;

for i=1:U-f;

for j=1:V-f;

H=I(i:i+f-1,j:j+f-1); %

HV = H(:);

HV=sort(HV);

Im(i,j)=HV(uint8((f^2+1)/2));

end;

end;

figure(2);

imshow(Im);

xlabel('Image filtrée');