

```

function MASK=FILTERdigitize(A)
hold on
b=1;
j=0;
X=[];
while b<27
    [x,y,b]=ginput(1);
    if b==3,
        plot([X(j-1:j,1)], [X(j-1:j,2)], 'k');
        plot([X(j,1)], [X(j,2)], '.k');
        j=j-1;
    end
    if b==1,
        j=j+1;
        X(j,:)= [x y];
        plot([x], [y], '.m');
        if j>1, plot([X(j-1,1) x], [X(j-1,2) y], 'm'); end
    end
    if (b==99) | (b==67),
        j=j+1;
        X(j,:)=X(1,:);
        plot([X(j,1)], [X(j,2)], '.m');
        if j>1, plot([X(j-1:j,1)], [X(j-1:j,2)], 'm'); end
    end
end

end
plot([X(:,1); X(1,1)], [X(:,2); X(1,2)], 'b');
plot(X(:,1), X(:,2), '.b')

[Ny,Nx]=size(A);
[x,y]=meshgrid(1:Nx,1:Ny);
MASK=inpolygon(x,y,X(:,1),X(:,2));

```