
```
function result=Dilate(I,core)
```

basic morphology method

```
[M, N] = size(I);
result = 0;
sizm = size(core,1);
sizn = size(core,2);
if mod(sizm,2) == 0 || mod(sizn,2) == 0
    warning('input core size must be odds!');
    return
end

% flag = sum(core(:));
result = I;
m = floor(sizm/2);
n = floor(sizn/2);
tmpI = padarray(I,[m n], 'replicate', 'both');
for i=(1+m):(M+m)
    for j = (1+n):(N+n)
        spot = tmpI(i-m:i+m,j-n:j+n);
        spot = spot .* core;
        if sum(spot(:)) == 0
            result(i-m,j-n) = 0;
        else
            result(i-m,j-n) = 1;
        end
    end
end
```

Not enough input arguments.

```
Error in Dilate (line 3)
[M, N] = size(I);

end
```

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