

```

function jbn = figure_rgb(a, b, c)

%UNTITLED2 Summary of this function goes here

% Detailed explanation goes here

se = ones(3);

be = imerode(b,se);

b_boundary = b & ~be; % 连通域的边界

a_tmp = im2uint8(a);

a_tmp = cat(3,a_tmp,a_tmp,a_tmp); % rgb 的 a

b_boundary = im2uint8(b_boundary);

b_boundary0 = im2uint8(zeros(size(b_boundary)));

b_boundary = cat(3,b_boundary0,b_boundary,b_boundary0); % rgb 的 b 边界 (green)

c_tmp = im2uint8(c);

% c_tmp0 = im2uint8(zeros(size(c_tmp)));

c_tmp = cat(3,c_tmp, c_tmp, c_tmp); % rgb 的 c (white),用于做 3D 效果

jbn = a_tmp + b_boundary + c_tmp;

% imshow(jbn, []);

end

```

*Published with MATLAB® R2015b*