

## Blah this blah that

Hello, this is my text. Take a look at figure 1.

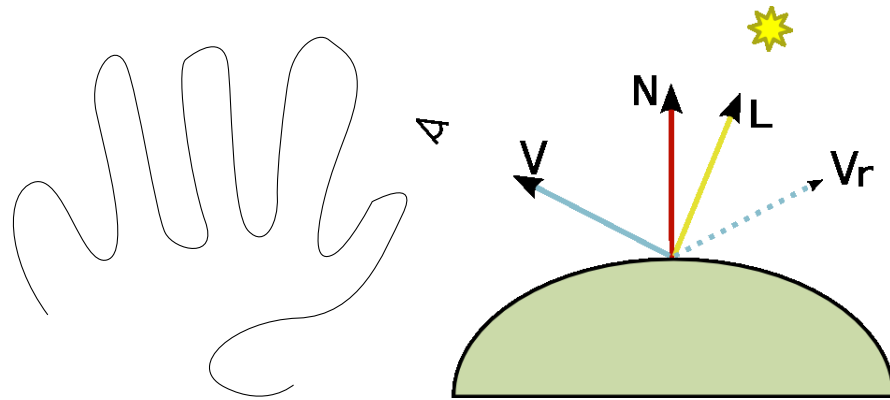


Figure 1: This is a nice moutza.

## This is another section

And this text belongs to the second section. See listing 1 for details.

Listing 1: Sample listing

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```

% region growing segmentation
function simg = segrgn(img, thres)
    thres
    neigh_offs = [ 1 0 ; -1 0 ; 0 1 ; 0 -1 ];
    seed = [349, 393];

    [xsz, ysz] = size(img);
    visited = zeros(xsz, ysz);
    visited(seed(1), seed(2)) = 1;

    bound = seed;

    % while the queue still has points to process (rows)
    while(size(bound, 1) > 0)
        % get the first element (x,y coordinates)
        nextpt = bound(1,:);
        bound = bound(2:end,:);

        % if this pixel is greater than the threshold ...
        img(nextpt(1), nextpt(2));
        if img(nextpt(1), nextpt(2)) >= thres
            % ... we shall visit it.
            visited(nextpt(1), nextpt(2)) = 1;

            % for all neighbors ...
            for i=1:1:4
                % calculate the neighbor coordinates
                neigh_pt = nextpt + neigh_offs(i,:);

                % if we haven't visited it, add it to the
                % queue
                if neigh_pt(1) > 0 && neigh_pt(1) <= xsz &&
                    neigh_pt(2) > 0 && neigh_pt(2) <= ysz &&
                    visited(neigh_pt(1), neigh_pt(2)) == 0
                    bound = [bound ; neigh_pt];
                    visited(neigh_pt(1), neigh_pt(2)) = 1;
                end
            end
        end
    end

    simg = visited;
end

```

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