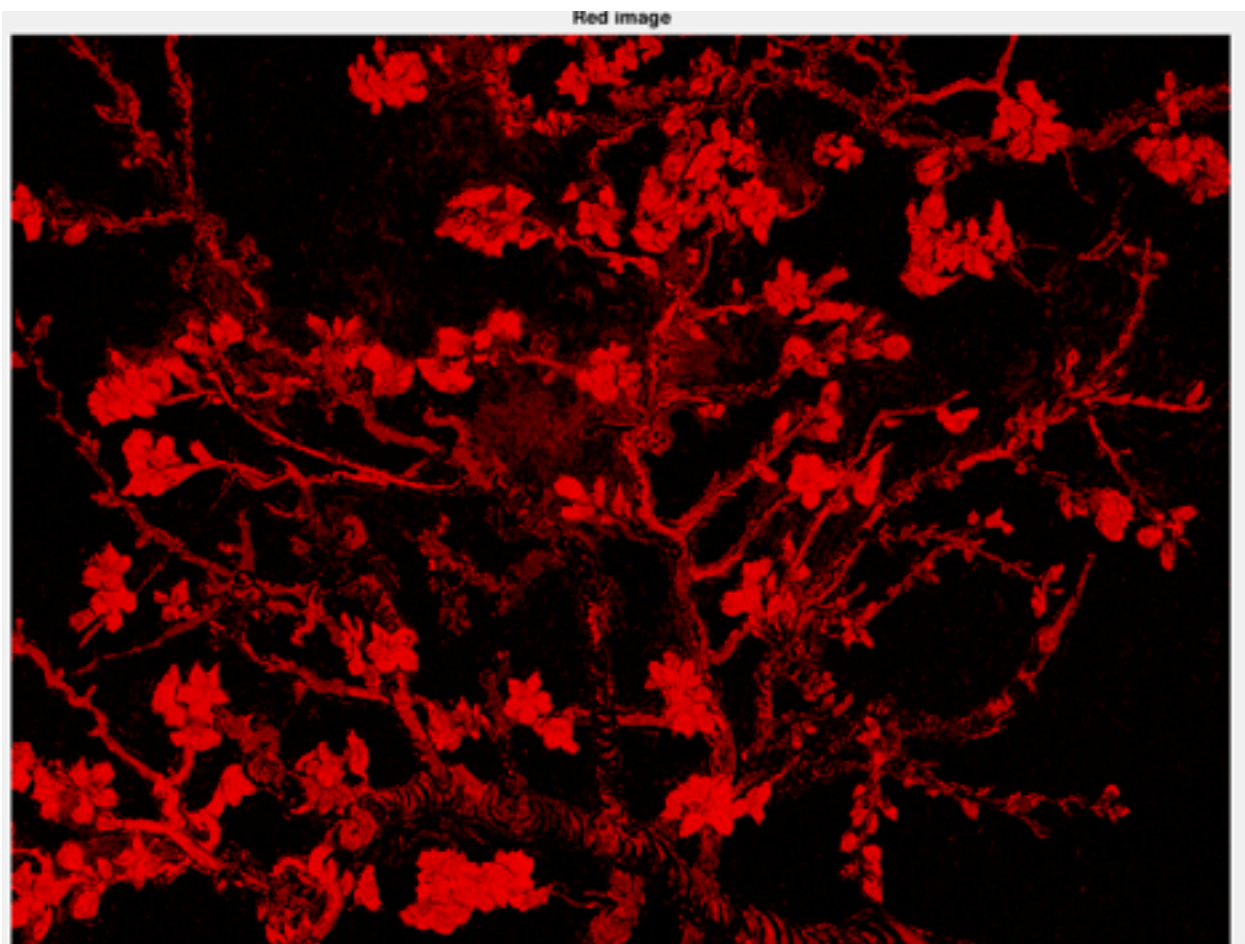


Report

1. input a image from root folder called `VV150.jpg`, and this image is pre-stored.
2. get the red component of `VV150` by using `R=colorImage(:,:,1);`
3. use a method (`Rcolor=zeros(size(colorImage))`) to create an new 3D array called `Rcolor`, and all elements of `Rcolor` array are zero. This empty array has the same size as `VV150.jpg`. This will be used to store the values of red component.
4. repeat the step2 & 3 for all other color bands.
5. use a function called `cat()` to concatenate all the input array. For example, assign red component from the input image to the corresponding entry in the new array (`Rcolor`) while keeping the elements of the other two components to be zero in the new array.
(`Rcolor=cat(3,R,zeros(size(G)),zeros(size(B)))`);
6. output the image which only display red component.



7. Repeat the last two steps can get the green & blue component images.

