CM

```
% Input
% read RGB images and Trimap
% Use GUI
% core: imread
function [RGB, Trimap] = read_image(RGB_path, Trimap_path)
% test: resolution, RGB channel([0, 255]), trimap channel([1,3])
% match two images
function [coF, coB] = match_images(RGB, Trimap)
% Bayesian Matting
function [position_x, position_y, alpha] = bayesian_matting(coF)
% test: 0 <= position_x, position_y <= resolution,</pre>
% test: 0 <= alpha <= 1
% Laplacian Matting
% https://github.com/frcs/alternative-matting-laplacian
function [laplacian_image] = laplacian_matting(path)
% Evaluation
% Mean Absolute Deviation (MAD): In [0,∞), the smaller the bette
% Root Mean Squared Error (RMSE): In [0,∞), the smaller the beti
% Median Absolute Error (MAE): In [0,∞), the smaller the better
% Mean Squared Log Error (MSLE): In [0,∞), the smaller the bette
% R^2, coefficient of determination: In (-\infty,1], not necessarily
function [MAD, RMSE, MAE, MSLE, R^2] = evaluation(matting_image,
```

CM 1

% Output
function save(path, matting_image)

CM 2