txt_stego_im (Calls: 1, Time: 2.028 s)

Generated 20-May-2021 13:35:04 using performance time.
Function in file D:\Matlab\ITC_project\txt_stego_im.m
Copy to new window for comparing multiple runs

Parents (calling functions)

Function Name	Function Type	Calls
Final_with_comp	Script	1

Lines that take the most time

Line Number	Code	Calls	Total Time (s)	% Time	Time Plot
26	`stego_img = klsb( k, 'encoding', img, in, PX, PY…`	1	1.303	64.3%	
20	`[PX,PY] = hilbert_fractal_generating(order);`	1	0.596	29.4%	
32	`imwrite( stego_img, stego_im_file_name)`	1	0.078	3.9%	
6	`img = imread(img_file_name);`	1	0.028	1.4%	
13	`in = dec2bin(file_content',8)';`	1	0.019	0.9%	
All other lines			0.004	0.2%	
Totals			2.028	100%	

Children (called functions)

Function Name	Function Type	Calls	Total Time (s)	% Time	Time Plot
klsb	Function	1	1.297	64.0%	
hilbert_fractal_generating	Function	1	0.596	29.4%	
imwrite	Function	1	0.078	3.8%	
imread	Function	1	0.028	1.4%	
dec2bin	Function	1	0.017	0.8%	
Self time (built-ins, overhead, etc.)			0.013	0.6%	
Totals			2.028	100%	

Code Analyzer results

No Code Analyzer messages.

Coverage results

Function listing

Time	Calls	Line	
		1	`function stego_img = txt_stego_im( algorithm , k, img_file_name, text_file_name, stego_im_file_name)`
		2	
< 0.001	1	3	`    algorithm = string(algorithm);`
		4	
		5	`    % read image`
0.028	1	6	`    img = imread(img_file_name);`
		7	
		8	`    % read text file`
< 0.001	1	9	`    file_id = fopen(text_file_name,'r');`
< 0.001	1	10	`    file_content = fread(file_id);`
< 0.001	1	11	`    fclose(file_id);`
		12	
0.019	1	13	`    in = dec2bin(file_content',8)';`
0.001	1	14	`    in = in(:)';`
		15	
< 0.001	1	16	`    s = size(img);`
< 0.001	1	17	`    s = min(s(1:2));`

```
< 0.001    1   18      order = floor(log2(s));
               19
  0.596    1   20      [PX,PY] = hilbert_fractal_generating(order);
               21
< 0.001    1   22      if algorithm == "PVD"
               23          stego_img =  pvd( 'encoding', img, in, PX, PY );
               24
< 0.001    1   25      elseif algorithm == "kLSB"
  1.303    1   26          stego_img = klsb( k, 'encoding', img, in, PX, PY );
               27
               28      else
               29          fprintf("please provide valid alogrithm name\n");
< 0.001    1   30      end
               31
  0.078    1   32      imwrite( stego_img, stego_im_file_name)
               33
< 0.001    1   34  end
```