im_stego_txt (Calls: 1, Time: 4.903 s)

Generated 20-May-2021 13:34:34 using performance time.
Function in file D:\Matlab\ITC_project\im_stego_txt.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
18	`txt = klsb( k, 'decoding', img, 0, PX, PY );`	1	4.490	91.6%	
12	`[PX,PY] = hilbert_fractal_generating(order);`	1	0.389	7.9%	
6	`img = imread(stego_im_file_name);`	1	0.020	0.4%	
25	`fwrite(file_id, txt);`	1	0.001	0.0%	
26	`fclose(file_id);`	1	0.001	0.0%	
All other lines			0.001	0.0%	
Totals			4.903	100%	

Children (called functions)

Function Name	Function Type	Calls	Total Time (s)	% Time	Time Plot
klsb	Function	1	4.490	91.6%	
hilbert_fractal_generating	Function	1	0.389	7.9%	
imread	Function	1	0.020	0.4%	
Self time (built-ins, overhead, etc.)			0.003	0.1%	
Totals			4.903	100%	

Code Analyzer results

No Code Analyzer messages.

Coverage results

Function listing

Time	Calls	Line	
		1	`function txt = im_stego_txt( algorithm ,k,  stego_im_file_name, text_file_name)`
		2	
< 0.001	1	3	`    algorithm = string(algorithm);`
		4	
		5	`    % read image`
0.020	1	6	`    img = imread(stego_im_file_name);`
		7	
< 0.001	1	8	`    s = size(img);`
< 0.001	1	9	`    s = min(s(1:2));`
< 0.001	1	10	`    order = floor(log2(s));`
		11	
0.389	1	12	`    [PX,PY] = hilbert_fractal_generating(order);`
		13	
< 0.001	1	14	`    if algorithm == "PVD"`
		15	`        txt =  pvd( 'decoding', img, 0, PX, PY );`
		16	

< 0.001	1	17	elseif algorithm == "kLSB"
4.490	1	18	txt = klsb(k, 'decoding', img, 0, PX, PY);
		19	
		20	else
		21	fprintf("please provide valid alogrithm name\n");
< 0.001	1	22	end
		23	
< 0.001	1	24	file_id = fopen(text_file_name,'w');
< 0.001	1	25	fwrite(file_id, txt);
< 0.001	1	26	fclose(file_id);
		27	
< 0.001	1	28	end