doubleSpot (Calls: 500, Time: 4.870 s)

Generated 01-июн.-2021 13:43:24 using performance time.
Function in file E:\course_4\code\doubleSpot.m
Copy to new window for comparing multiple runs

Parents (calling functions)

Function Name	Function Type	Calls
ImageProcessing	Script	500

Lines that take the most time

Line Number	Code	Calls	Total Time (s)	% Time	Time Plot
15	`if(imageGS(y, x) ~= 0)`	37006839	1.379	28.3%	
22	`end`	37006389	1.172	24.1%	
14	`x = x * 2 + 1;`	37006839	1.150	23.6%	
21	`end`	37006389	1.128	23.2%	
3	`pxW = length(imageGS(1, :));`	500	0.006	0.1%	
All other lines			0.035	0.7%	
Totals			4.870	100%	

Children (called functions)

No children

Code Analyzer results

Line Number	Message
12	Loop index 'y' is changed inside of a FOR loop.
14	Loop index 'x' is changed inside of a FOR loop.
30	Loop index 'x' is changed inside of a FOR loop.
42	Loop index 'y' is changed inside of a FOR loop.

Coverage results

Show coverage for parent folder

Total lines in function	51
Non-code lines (comments, blank lines)	11
Code lines (lines that can run)	40
Code lines that did run	34
Code lines that did not run	6
Coverage (did run/can run)	85.00 %

Function listing

Time	Calls	Line	
		1	`function [pointY, pointX] = doubleSpot(imageGS)`
< 0.001	500	2	`    pxH = length(imageGS);`
0.006	500	3	`    pxW = length(imageGS(1, :));`
		4	
< 0.001	500	5	`    columns = pxW;`
< 0.001	500	6	`    rows = pxH;`
		7	
< 0.001	500	8	`    pointX = 0;`
< 0.001	500	9	`    pointY = 0;`
		10	
0.001	500	11	`    for y = 0 : floor(rows / 2) - 1`
0.003	98647	12	`        y = y * 2 + 1;`
0.005	98647	13	`        for x = 0 : floor(columns / 2) - 1`
1.150	37006839	14	`            x = x * 2 + 1;`
1.379			

		16	
< 0.001	450	17	pointX = x;
< 0.001	450	18	pointY = y;
		19	
0.002	450	20	return;
1.128	37006389	21	end
1.172	37006389	22	end
0.006	98197	23	end
		24	
< 0.001	50	25	rows = [1, pxH];
< 0.001	50	26	cols = [1, pxW];
		27	
0.002	50	28	for y = rows
< 0.001	100	29	for x = 1 : floor(length(imageGS(y, :)) / 2)
0.001	37600	30	x = x * 2;
		31	
0.001	37600	32	if(imageGS(y, x) ~= 0)
		33	pointX = x;
		34	pointY = y;
		35	return;
0.001	37600	36	end
0.002	37600	37	end
< 0.001	100	38	end
		39	
< 0.001	50	40	for x = cols
< 0.001	100	41	for y = 1 : floor(length(imageGS) / 2)
0.001	37600	42	y = y * 2;
		43	
0.001	37600	44	if(imageGS(y, x) ~= 0)
		45	pointX = x;
		46	pointY = y;
		47	return;
0.001	37600	48	end
0.002	37600	49	end
< 0.001	100	50	end
< 0.001	50	51	end