randSpot (Calls: 500, Time: 4.373 s)

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
22	`if (imageGS(y, x) ~= 0)`	35004494	1.782	40.8%	▆
28	`end`	35004044	1.495	34.2%	▆
27	`end`	35004044	0.986	22.5%	▅
20	`for x = randCols`	46980	0.072	1.7%		
16	`randRows = randperm(rows, rows);`	500	0.007	0.2%	
All other lines			0.031	0.7%	
Totals			4.373	100%	

Children (called functions)

No children

Code Analyzer results

Line Number	Message
3	`The value assigned to variable 'subindex' might be unused.`
5	`The value assigned to variable 'pxW' might be unused.`
6	`The value assigned to variable 'pxH' might be unused.`

Coverage results

Show coverage for parent folder

Total lines in function	33
Non-code lines (comments, blank lines)	9
Code lines (lines that can run)	24
Code lines that did run	24
Code lines that did not run	0
Coverage (did run/can run)	100.00 %

Function listing

```
     Time          Calls          Line
                                    1      function [spotX, spotY] = randSpot(imageGS)
                                    2          % анонимная функция для последовательного вызова (){}
     0.005            500           3          subindex = @(A, r) A{r};
                                    4
   < 0.001            500           5          pxW = 752;
   < 0.001            500           6          pxH = 752;
                                    7
   < 0.001            500           8          columns = 752;
   < 0.001            500           9          rows = 752;
                                   10
   < 0.001            500          11          flag = false;
                                   12
   < 0.001            500          13          spotX = 0;
   < 0.001            500          14          spotY = 0;
                                   15
     0.007            500          16          randRows = randperm(rows, rows);
```

```
  0.005              500        17        randCols = randperm(columns, columns);
                                18
  0.005              500        19        for y = randRows
  0.072            46980        20            for x = randCols
                                21
  1.782         35004494        22                if (imageGS(y, x) ~= 0)
< 0.001              450        23                    spotX = x;
< 0.001              450        24                    spotY = y;
< 0.001              450        25                    flag = true;
< 0.001              450        26                    break;
  0.986         35004044        27                end
  1.495         35004044        28            end
  0.002            46980        29            if (flag)
< 0.001              450        30                break;
  0.002            46530        31            end
  0.004            46530        32        end
  0.003              500        33    end
```