Prime_Number_Solver_Using_primes (Calls: 1, Time: 0.013 s)

Generated 17-Jul-2023 21:06:56 using performance time.
Script in file G:\.shortcut-targets-by-id\1FDIvj8mfMGVPmzoguheuOUy-VJPYsRSg\ePortfolio\Personal\MATLAB Fun\Prime Number Solver\Prime_Number_Solver_Using_primes.m
Copy to new window for comparing multiple runs

Parents (calling functions)

No parent

Lines that take the most time

Line Number	Code	Calls	Total Time (s)	% Time	Time Plot
8	`numbers = primes(max);`	1	0.011	82.2%	
1	`clear`	1	0.001	4.0%	
2	`clc`	1	0.000	3.0%	
11	`disp(length(numbers))`	1	0.000	3.0%	
9	`toc`	1	0.000	2.7%	
All other lines			0.001	5.1%	
Totals			0.013	100%	

Children (called functions)

Function Name	Function Type	Calls	Total Time (s)	% Time	Time Plot
primes	Function	1	0.010	79.8%	
Self time (built-ins, overhead, etc.)			0.003	20.2%	
Totals			0.013	100%	

Code Analyzer results

Coverage results

Show coverage for parent folder

Total lines in function	12
Non-code lines (comments, blank lines)	4
Code lines (lines that can run)	8
Code lines that did run	8
Code lines that did not run	0
Coverage (did run/can run)	100.00 %

Function listing

Time	Calls	Line	
< 0.001	1	1	clear
< 0.001	1	2	clc
		3	
< 0.001	1	4	max = 3000000;
		5	
		6	%3000000 will take around 0.007245 sec and have 216816 primes
< 0.001	1	7	tic
0.011	1	8	numbers = primes(max);
< 0.001	1	9	toc
		10	
< 0.001	1	11	disp(length(numbers))
< 0.001	1	12	disp("Done")