Links are disabled because this is a static copy of a profile report

analytical (Calls: 1, Time: 0.009 s)

Generated 15-Jul-2024 19:23:13 using performance time.
function in file D:\Aalto\2324\BScThesis\FullRepo\parallelsimulations_finitebath\src\analytical.m
Copy to new window for comparing multiple runs

Lines where the most time was spent

Line Number	Code	Calls	Total Time	% Time	Time Plot
4	`omega = linspace(0,2*w,1000000...`	1	0.006 s	70.9%	
10	`nl = 2*gavg./((omega-Omega).^2...`	1	0.002 s	25.7%	
5	`gavg = (gamma^2)/(3*N);`	1	0.000 s	1.2%	
12	`end`	1	0.000 s	0.7%	
9	`rate = pi*nu0*gavg;`	1	0.000 s	0.4%	
All other lines			0.000 s	1.2%	
Totals			0.009 s	100%	

Function listing

```
  time    Calls    line
                     2 function [nl, omega] = analytical (N, w, gamma)
                     3
  0.006        1     4 omega = linspace(0,2*w,1000000);
< 0.001        1     5 gavg = (gamma^2)/(3*N);
< 0.001        1     6 Omega = w;
< 0.001        1     7 nu0 = N/(2*Omega);
                     8 %g2 = (gamma^2)/(3*N);
< 0.001        1     9 rate = pi*nu0*gavg;
  0.002        1    10 nl = 2*gavg./((omega-Omega).^2+(2*rate)^2);
                    11
< 0.001        1    12 end
```