

RayTracer>RayTracer.findCurrFFRLayer (Calls: 23374568, Time: 454.754 s)

Generated 27-Mar-2023 12:55:24 using performance time.

Class method in file [/Users/lhess/ffr-photon-simulator-matlab/mask-simulator/RayTracer.m](#)

[Copy to new window for comparing multiple runs](#)

Parents (calling functions)

Lines that take the most time

Line Number	Code	Calls	Total Time (s)	% Time	Time Plot
214	<code>if ffrLayers(i).containsPhoton(photon)</code>	143889159	381.016	83.8%	<div></div>
215	<code>layer = ffrLayers(i);</code>	23374568	36.702	8.1%	<div></div>
217	<code>return;</code>	23374568	8.825	1.9%	<div></div>
208	<code>ffrLayers = ffr.ffrLayers;</code>	23374568	5.703	1.3%	<div></div>
219	<code>end</code>	120514591	2.874	0.6%	<div></div>
All other lines			19.634	4.3%	<div></div>
Totals			454.754	100%	

Children (called functions)

Function Name	Function Type	Calls	Total Time (s)	% Time	Time Plot
FFRLayer>FFRLayer.containsPhoton	Class method	143889159	159.872	35.2%	<div></div>
Self time (built-ins, overhead, etc.)			294.882	64.8%	<div></div>
Totals			454.754	100%	

Code Analyzer results

Line Number	Message
206	Input argument 'obj' might be unused, although a later one is used. Consider...

Coverage results

[Show coverage for parent folder](#)

Total lines in function	15
Non-code lines (comments, blank lines)	7
Code lines (lines that can run)	8
Code lines that did run	7
Code lines that did not run	1
Coverage (did run/can run)	87.50 %

Function listing

Time **Calls** **Line**

```

207         %layer = [];
5.703 23374568 208         ffrLayers = ffr.ffrLayers;
209         %Debug.msq("Find curr ffr layer photon v: " + photon.v, 1);
210         %i = 1:ffr.nLayers;
211         %layer = ffrLayers(ffrLayers(i).containsPhoton(photon));
212
1.902 23374568 213         for i = 1:ffr.nLayers
381.016 143889159 214             if ffrLayers(i).containsPhoton(photon)
36.702 23374568 215                 layer = ffrLayers(i);
216                 %Debug.msq("Curr ffr layer i = " + i, 1);
8.825 23374568 217                 return;
2.638 120514591 218             end
2.874 120514591 219         end
220         end

```

Local functions in this file are not included in this listing.
