build_pf_matrix>build_angle_differences (Calls: 1400, Time: 16.057 s)

Generated 28-Dec-2021 23:35:44 using performance time.
Subfunction in file D:\Xinliang\Morenet\rapidPF_plus\03_parser\auxfuns\modelfuns\build_pf_matrix.m
Copy to new window for comparing multiple runs

Parents (calling functions)

Function Name	Function Type	Calls
build_pf_matrix	Function	1400

Lines that take the most time

Line Number	Code	Calls	Total Time (s)	% Time	Time Plot
34	cos_diff = cos(diff);	1400	5.105	31.8%	▬
31	diff = ANG - ANG';	1400	4.306	26.8%	▬
33	sin_diff = sin(diff);	1400	3.754	23.4%	▬
35	end	1400	1.650	10.3%	▪
30	ANG = repmat(ang, 1, numel(ang));	1400	1.239	7.7%	▪
All other lines			0.004	0.0%	
Totals			16.057	100%	

Children (called functions)

No children

Code Analyzer results

No Code Analyzer messages.

Coverage results

Show coverage for parent folder

Total lines in function	9
Non-code lines (comments, blank lines)	4
Code lines (lines that can run)	5
Code lines that did run	5
Code lines that did not run	0
Coverage (did run/can run)	100.00 %

Function listing

Time	Calls	Line	
		27	function [sin_diff, cos_diff] = build_angle_differences(ang)
		28	% diff = ang - ang';
		29	
1.239	1400	30	ANG = repmat(ang, 1, numel(ang));
4.306	1400	31	diff = ANG - ANG';
		32	
3.754	1400	33	sin_diff = sin(diff);
5.105	1400	34	cos_diff = cos(diff);
1.650	1400	35	end