Matlab-based CCA Run time analysis

Monday, February 14, 2022   4:08 PM

Profile Summary (Total time: 47.875 s)

Generated 14-Feb-2022 15:53:18 using performance time.

Function Name	Calls	Total Time (s)	Self Time* (s)	Total Time Plot (dark band = self time)
FBCCA_experiments_run_time	1	47.875	0.690	
FBCCA_experiments_run_time>crossValidateFBCCA	1	47.186	0.107	
FBCCA_IT	9600	46.969	0.266	
standardCCA_ITCCA	38400	23.969	1.111	
cheby1	38401	16.932	1.938	
canoncorr	115200	15.633	14.144	
standardCCA	76800	15.561	4.689	
filtfilt	38400	5.897	0.192	
filtfilt>efiltfilt	38400	5.576	0.571	
zp2ss	38401	5.439	1.786	
IT_CCA	38400	4.898	0.137	
filtfilt>ffMultiChan	38400	3.646	3.646	
poly	153603	3.498	3.498	
bilinear	38401	2.409	1.821	
corrcoef	115200	2.400	0.378	
corrcoef>correl	115200	2.022	1.134	
lp2bp	38401	1.882	1.101	
cplxpair	76802	1.675	1.550	
mean	230641	1.500	1.199	
filtfilt>getCoeffsAndInitialConditions	38400	1.359	1.126	
abcdchk	76802	1.209	1.053	
sigcasttofloat	115203	1.031	0.525	
cheb1ap	38401	1.015	0.648	
cov	115200	0.888	0.888	
cheby1>cheb1zeros	38401	0.632	0.397	
target	268805	0.519	0.519	
signal\private\iirchk	38401	0.508	0.408	
sigcheckfloattype	115203	0.506	0.506	
zp2ss>parse_input	38401	0.490	0.403	
signal\private\iseven	76802	0.485	0.139	
errorlf	268805	0.361	0.361	
iseven	76802	0.346	0.229	
mean>mysize	230641	0.301	0.301	
shiftdim	38401	0.125	0.125	
flipud	76802	0.117	0.117	
assert	76801	0.090	0.090	
varsize	38400	0.040	0.040	
nullcopy	38400	0.039	0.039	
std	1	0.003	0.002	
var	1	0.001	0.001	
var>mysize	1	0.000	0.000	

| var->mysize | | 1 | 0.000 | 0.000 | |

*__Self time__ is the time spent in a function excluding any time spent in child functions. The time includes any overhead time resulting from the profiling process.