

Sheet1

Kalman Filter Sine Follower

FLOAT

Task	Run 1	Run 2	Run 3	Run 4	Run 5	AVG
1	602	672	584	594	598	610
2	2564	2624	2690	2684	2704	2653.2
3	1234	1064	1058	1064	1058	1095.6
4	780	750	772	790	782	774.8
5	448	566	468	466	458	481.2
6	408	452	404	420	406	418
7	152	188	172	200	152	172.8
8	768	734	902	818	876	819.6
Total	6956	7050	7050	7036	7034	7025.2

Kalman Filter Bearings

FLOAT

Task	Run 1	Run 2	Run 3	Run 4	Run 5	AVG
1	1078	1206	1094	1180	1184	1148.4
2	3480	3446	3352	3408	3376	3412.4
3	1634	1652	1674	1756	1762	1695.6
4	2230	2212	2218	2226	2240	2225.2
5	2136	2054	1962	2028	1994	2034.8
6	2222	2162	2140	2110	2206	2168
7	252	254	236	276	274	258.4
8	1940	1850	1832	1824	1856	1860.4
Total	14972	14836	14508	14808	14892	14803.2

Kalman Filter ReEntry

FLOAT

Task	Run 1	Run 2	Run 3	Run 4	Run 5	AVG
1	6924	6490	6858	6494	6704	6694
2	15378	15702	15466	15476	15494	15503.2
3	2076	2358	2044	2414	2100	2198.4
4	1046	1060	1044	1050	1044	1048.8
5	2746	2974	2784	2716	2778	2799.6
6	2960	3022	3062	3046	2916	3001.2
7	320	330	342	330	316	327.6
8	3494	3488	3454	3424	3400	3452

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Total	34944	35424	35054	34950	34752	35024.8
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Sheet1

DOUBLE

Task	Run 1	Run 2	Run 3	Run 4	Run 5
1	690	656	702	798	690
2	2678	2686	2702	2616	2714
3	1036	1108	1110	1040	1034
4	882	786	804	748	760
5	526	458	534	542	452
6	452	410	458	414	460
7	184	184	172	182	208
8	772	762	776	754	750
Total	7220	7050	7258	7094	7068

DOUBLE

Task	Run 1	Run 2	Run 3	Run 4	Run 5
1	1116	1202	1016	1018	1024
2	3834	3798	3872	3782	3794
3	1758	1852	1760	1750	1748
4	1812	1738	1732	1722	1750
5	2072	2230	2072	2158	2150
6	2088	2168	2118	2092	2146
7	262	258	256	300	218
8	2080	1960	2044	1942	1940
Total	15022	15206	14870	14764	14770

DOUBLE

Task	Run 1	Run 2	Run 3	Run 4	Run 5
1	6360	6240	6476	6550	6594
2	16832	16846	16828	16972	16816
3	2544	2420	2292	2398	2342
4	1332	1166	1190	1554	1232
5	2762	2872	2746	2888	2896
6	3068	2920	3016	3030	3064
7	328	290	292	336	302
8	3424	3502	3536	3400	3540

Sheet1

Total	36650	36256	36376	37128	36786
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AVG

707.2
2679.2
1065.6
796
502.4
438.8
186
762.8
7138

AVG

1075.2
3816
1773.6
1750.8
2136.4
2122.4
258.8
1993.2
14926.4

AVG

6444
16858.8
2399.2
1294.8
2832.8
3019.6
309.6
3480.4

36639.2