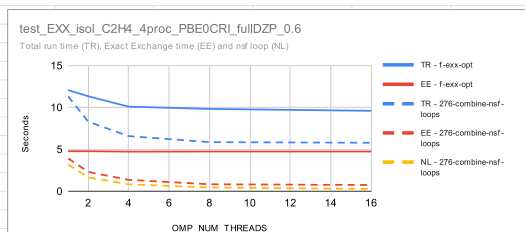
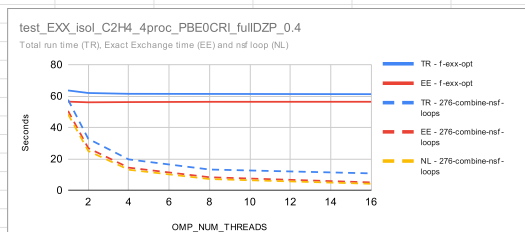


CONQUEST 276 parallel speedup

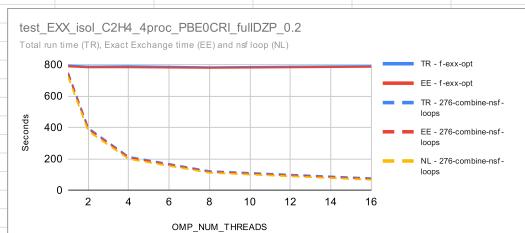
test_EXX_isol_C2H4_4proc_PBE0CRI_fullIDZP_0.6					
Branch	Threads	Total run time	Exact Exchange	tmr_std_exx_nsup	
f-exx-opt	1	12.096	4.793		
f-exx-opt	2	11.354	4.7913		
f-exx-opt	4	10.112	4.74585		
f-exx-opt	8	9.845	4.75843		
f-exx-opt	16	9.617	4.75833		
276-combine-nsf-loops	1	11.355	3.94987	3.21639	
276-combine-nsf-loops	2	8.317	2.31895	1.67365	
276-combine-nsf-loops	4	6.597	1.38164	0.84442	
276-combine-nsf-loops	8	5.883	0.84958	0.46856	
276-combine-nsf-loops	16	5.801	0.76492	0.29343	



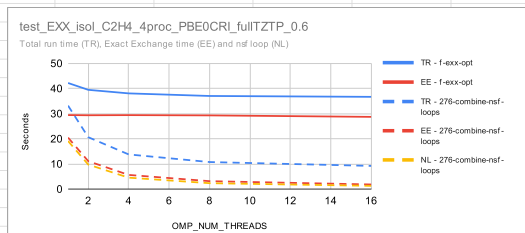
test_EXX_isol_C2H4_4proc_PBE0CRI_fullIDZP_0.4					
Branch	Threads	Total run time	Exact Exchange	tmr_std_exx_nsup	
f-exx-opt	1	63.585	56.45002		
f-exx-opt	2	61.959	56.03119		
f-exx-opt	4	61.439	56.17972		
f-exx-opt	8	61.373	56.35092		
f-exx-opt	16	61.22	56.37811		
276-combine-nsf-loops	1	57.666	50.54397	48.45521	
276-combine-nsf-loops	2	32.798	26.86694	25.0493	
276-combine-nsf-loops	4	19.685	14.43876	13.12075	
276-combine-nsf-loops	8	13.256	8.32797	7.1913	
276-combine-nsf-loops	16	10.798	5.04965	4.17088	



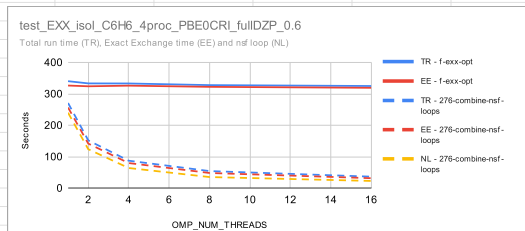
test_EXX_isol_C2H4_4proc_PBE0CRI_fullIDZP_0.2					
Branch	Threads	Total run time	Exact Exchange	tmr_std_exx_nsup	
f-exx-opt	1	795.047	787.8576		
f-exx-opt	2	788.01	782.04991		
f-exx-opt	4	790.391	782.32954		
f-exx-opt	8	783.615	778.73652		
f-exx-opt	16	791.461	785.37465		
276-combine-nsf-loops	1	749.024	741.86172	724.12833	
276-combine-nsf-loops	2	396.003	389.98622	376.36886	
276-combine-nsf-loops	4	213.394	207.88224	199.26319	
276-combine-nsf-loops	8	122.256	117.22307	111.27792	
276-combine-nsf-loops	16	77.165	72.07751	66.61668	



test_EXX_isol_C2H4_4proc_PBE0CRI_fullITZP_0.6					
Branch	Threads	Total run time	Exact Exchange	tmr_std_exx_nsup	
f-exx-opt	1	42.26	29.49421		
f-exx-opt	2	39.537	29.42259		
f-exx-opt	4	38.124	29.47415		
f-exx-opt	8	37.096	29.36871		
f-exx-opt	16	36.748	28.78268		
276-combine-nsf-loops	1	33.252	20.52857	19.16592	
276-combine-nsf-loops	2	20.69	11.14615	9.79802	
276-combine-nsf-loops	4	13.839	5.88586	4.5948	
276-combine-nsf-loops	8	10.81	3.20663	2.39932	
276-combine-nsf-loops	16	9.27	1.88947	1.33974	



test_EXX_isol_C6H6_4proc_PBE0CRI_fullIDZP_0.6					
Branch	Threads	Total run time	Exact Exchange	tmr_std_exx_nsup	
f-exx-opt	1	340.458	326.57043		
f-exx-opt	2	333.396	324.20464		
f-exx-opt	4	333.17	326.19387		
f-exx-opt	8	327.948	322.41702		
f-exx-opt	16	325.113	319.36101		
276-combine-nsf-loops	1	271.039	256.64012	240.09334	
276-combine-nsf-loops	2	152.076	141.79878	123.90994	
276-combine-nsf-loops	4	87.371	79.89208	64.10937	
276-combine-nsf-loops	8	54.364	48.28318	35.34908	
276-combine-nsf-loops	16	36.625	31.66631	22.94418	



test_EXX_isol_C6H6_4proc_PBE0CRI_fullISZP_0.6					
Branch	Threads	Total run time	Exact Exchange	tmr_std_exx_nsup	
f-exx-opt	1	170.705	159.22947		
f-exx-opt	2	167.245	159.70824		
f-exx-opt	4	164.078	158.61837		
f-exx-opt	8	164.176	159.43778		
f-exx-opt	16	164.384	160.14299		
276-combine-nsf-loops	1	142.901	131.92936	119.21656	
276-combine-nsf-loops	2	83.579	75.49379	62.13355	
276-combine-nsf-loops	4	48.633	43.17461	31.91807	
276-combine-nsf-loops	8	30.467	25.98502	18.18781	
276-combine-nsf-loops	16	22.034	18.04623	12.27675	

