

Final Runtime Experiments (in seconds)

(1) Sequential Wagner (unweighted acyclic) (1)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	4,038	4,248	4,255	3,938	4,118	66,282	64,929	62,217	67,433	63,386
Run 2	4,04	4,248	4,256	3,94	4,119	66,275	64,924	62,218	67,432	63,386
Run 3	4,031	4,248	4,255	3,939	4,118	66,289	64,928	62,211	67,427	63,386
Run 4	4,032	4,247	4,256	3,939	4,11	66,272	64,93	62,214	67,427	63,385
Run 5	4,033	4,247	4,256	3,94	4,118	66,274	64,93	62,214	67,431	63,388
Average	4,0348	4,2476	4,2556	3,9392	4,1166	66,2784	64,9282	62,2148	67,43	63,3862
MiAvMaDiPr	3,938	4,11876	4,256	0,318	7,720770329	62,211	64,84752	67,433	5,222	8,052736635

(2) Sequential CUTTER-U (2)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	1,928	1,858	1,814	1,893	1,869	31,352	30,065	28,114	32,212	27,766
Run 2	1,925	1,858	1,814	1,894	1,869	31,35	30,064	28,115	32,214	27,767
Run 3	1,92	1,857	1,814	1,893	1,868	31,35	30,066	28,115	32,214	27,765
Run 4	1,92	1,858	1,815	1,893	1,868	31,35	30,064	28,116	32,213	27,766
Run 5	1,92	1,857	1,814	1,893	1,868	31,348	30,065	28,115	32,214	27,766
Average	1,9226	1,8576	1,8142	1,8932	1,8684	31,35	30,0648	28,115	32,2134	27,766
MiAvMaDiPr	1,814	1,8712	1,928	0,114	6,092347157	27,765	29,90184	32,214	4,449	14,87868305
SpeedUp (1)	2,098616457	2,286606374	2,34571712	2,080709909	2,20327553	2,114143541	2,159608579	2,212868575	2,093228284	2,282871137
=> Avg.SU(1)	2,202985078					2,172544023				

(3) Parallel CUTTER-U (3)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	1,955	1,783	1,726	1,732	1,797	2,011	2,399	1,936	1,991	1,926
Run 2	1,769	1,771	1,743	1,759	1,769	1,983	1,97	1,924	1,998	1,955
Run 3	1,74	1,741	1,75	1,751	1,74	1,984	1,952	1,898	1,967	1,998
Run 4	1,741	1,738	1,743	1,769	1,783	1,969	1,955	1,941	2,012	1,906
Run 5	1,741	1,783	1,735	1,741	1,785	1,997	1,946	1,989	1,997	1,917
Average	1,7892	1,7632	1,7394	1,7504	1,7748	1,9888	2,0444	1,9376	1,993	1,9404
MiAvMaDiPr	1,726	1,7634	1,955	0,229	12,98627651	1,898	1,98084	2,399	0,501	25,29230024
SpeedUp (1)	2,255086072	2,409029038	2,446590778	2,250457038	2,319472617	33,32582462	31,75904911	32,10920727	33,83341696	32,6665636
=> Avg.SU(1)	2,336127109					32,73881231				
SpeedUp (2)	1,074558462	1,05353902	1,043003334	1,081581353	1,052738337	15,76327434	14,70592839	14,51021883	16,16327145	14,30942074
=> Avg.SU(2)	1,061084101					15,09042275				

(4) Sequential CUTTER-W (4)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	8,089	6,351	6,367	6,314	6,343	92,469	80,843	118,84	112,486	116,72
Run 2	6,347	6,342	6,361	6,313	6,345	92,522	80,86	118,823	80,76	116,712
Run 3	6,342	6,337	6,361	6,313	6,349	92,503	80,849	118,823	80,765	116,695
Run 4	6,345	6,337	6,365	6,312	6,35	92,505	80,927	118,858	80,764	117,109
Run 5	6,345	6,337	6,364	6,314	6,344	92,52	80,84	118,824	80,754	116,681
Average	6,6936	6,3408	6,3636	6,3132	6,3462	92,5038	80,8638	118,8336	87,1058	116,7834
MiAvMaDiPr	6,312	6,41148	8,089	1,777	27,71590959	80,754	99,21808	118,858	38,104	38,40429083

(5) Parallel CUTTER-W (5)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	2,501	2,511	2,497	2,494	2,481	7,619	7,946	6,662	8,019	6,69
Run 2	2,449	2,482	2,497	2,553	2,484	7,547	7,891	6,679	7,999	6,649
Run 3	2,568	2,511	2,554	2,47	2,481	7,562	7,831	6,819	7,919	6,792
Run 4	2,585	2,487	2,482	2,496	2,497	7,604	7,89	6,641	7,778	6,705
Run 5	2,437	2,521	2,457	2,469	2,482	7,606	7,862	6,674	7,86	6,72
Average	2,508	2,5024	2,4974	2,4964	2,485	7,5876	7,884	6,695	7,915	6,7112
MiAvMaDiPr	2,437	2,49784	2,585	0,148	5,925119303	6,641	7,35856	8,019	1,378	18,72648997
SpeedUp (4)	2,668899522	2,533887468	2,548090014	2,528921647	2,553802817	12,19144393	10,25669711	17,74960418	11,00515477	17,40126952
=> Avg.SU(4)	2,566720293					13,7208339				

Explanation of "MiAvMaDiPr"

Mi = Minimum

Av = Average

Ma = Maximum

Di = Absolute Difference (Ma-Mi)

Pr = Procentual Difference (Ma-Mi)/Av