

Final Runtime Experiments (in seconds)

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

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	2,152	2,251	2,067	2,197	2,367	34,551	35,072	34,375	33,986	36,482
Run 2	2,095	2,166	2,007	2,107	2,291	33,894	34,375	33,701	33,265	35,708
Run 3	2,09	2,159	2,001	2,1	2,286	33,901	34,384	33,707	33,272	35,716
Run 4	2,09	2,159	2	2,1	2,285	33,9	34,388	33,707	33,258	35,705
Run 5	2,091	2,16	2	2,1	2,285	33,901	34,387	33,709	33,259	35,701
Average	2,1036	2,179	2,015	2,1208	2,3028	34,0294	34,5212	33,8398	33,408	35,8624
MiAvMaDiPr	2	2,14424	2,367	0,367	17,11562139	33,258	34,33216	36,482	3,224	9,390612184

(2) Sequential CUTTER-U (2)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	1,178	1,182	1,168	1,18	1,192	18,424	18,422	18,367	18,355	18,534
Run 2	1,179	1,182	1,168	1,181	1,192	18,426	18,42	18,364	18,351	18,539
Run 3	1,178	1,184	1,169	1,18	1,192	18,424	18,416	18,364	18,356	18,534
Run 4	1,178	1,182	1,169	1,181	1,192	18,419	18,413	18,362	18,355	18,537
Run 5	1,179	1,182	1,168	1,18	1,193	18,429	18,411	18,369	18,352	18,532
Average	1,1784	1,1824	1,1684	1,1804	1,1922	18,4244	18,4164	18,3652	18,3538	18,5352
MiAvMaDiPr	1,168	1,18036	1,193	0,025	2,117997899	18,351	18,419	18,539	0,188	1,020685162
SpeedUp (1)	1,785132383	1,842861976	1,724580623	1,796679092	1,931555108	1,846974664	1,87448144	1,842604491	1,820222515	1,934826708
=> Avg.SU(1)	1,816161836					1,863821964				

10000a	10000b	10000c	10000d	10000e
2080,589	2198,87	2094,661	2126,874	2292,894
2080,229	2166,546	2064,099	2091,469	2256,171
2080,317	2166,492	2064,065	2091,392	2255,906
2080,306	2166,523	2065,38	2091,452	2255,993
2080,776	2166,599	2064,744	2091,343	2255,797
2080,4434	2173,006	2070,5898	2098,506	2263,3522
2064,065	2137,17948	2292,894	228,829	10,70705582

10000a	10000b	10000c	10000d	10000e
1183,179	1189,007	1181,273	1183,646	1194,602
1183,301	1189,283	1181,332	1183,609	1194,934
1183,27	1189,191	1181,327	1183,689	1194,955
1183,001	1188,791	1181,184	1184,122	1194,543
1182,927	1188,993	1181,123	1183,986	1194,379
1183,1356	1189,053	1181,2478	1183,8104	1194,6826
1181,123	1186,38588	1194,955	13,832	1,165893849
1,758415012	1,827509791	1,752883519	1,772670691	1,894521775
1,801200158				

(3) Parallel CUTTER-U (3)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	1,769	1,751	1,819	1,768	1,737	1,824	1,81	1,798	1,813	1,812
Run 2	1,724	2,183	1,754	1,745	1,77	1,858	1,798	1,828	1,815	2,044
Run 3	1,783	1,755	1,727	1,739	1,754	1,825	1,804	1,91	1,824	2,023
Run 4	1,755	1,742	1,741	1,784	1,727	1,799	1,806	1,798	1,839	1,812
Run 5	1,76	1,746	1,742	1,728	1,742	1,825	1,841	1,798	1,797	1,859
Average	1,7582	1,8354	1,7566	1,7528	1,746	1,8262	1,8118	1,8264	1,8176	1,91
MiAvMaDiPr	1,724	1,7698	2,183	0,459	25,93513391	1,797	1,8384	2,044	0,247	13,43559617
SpeedUp (1)	1,196450916	1,187207148	1,147102357	1,209949795	1,318900344	18,63399409	19,05353792	18,52814279	18,38028169	18,77612565
=> Avg.SU(1)	1,211922112					18,67441643				
SpeedUp (2)	0,670230918	0,644219244	0,665148582	0,673436787	0,682817869	10,08892783	10,16469809	10,05540955	10,0978213	9,704293194
=> Avg.SU(2)	0,66717068					10,02222999				

(4) Sequential CUTTER-W (4)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	7,359	7,329	7,175	7,327	8,187	107,868	126,155	121,845	116,219	125,161
Run 2	7,354	7,356	7,202	7,352	8,207	107,88	126,73	121,822	115,577	125,136
Run 3	7,409	7,387	7,489	7,327	8,19	107,892	127,906	122,451	114,206	141,511
Run 4	7,368	7,346	7,488	7,33	8,187	107,201	126,164	123,192	111,536	130,306
Run 5	7,359	7,257	7,491	7,325	8,182	107,888	126,808	121,884	111,518	130,296
Average	7,3698	7,335	7,369	7,3322	8,1906	107,7458	126,7526	122,2388	113,8112	130,482
MiAvMaDiPr	7,175	7,51932	8,207	1,032	13,72464531	107,201	120,20608	141,511	34,31	28,54264942

10000a	10000b	10000c	10000d	10000e
3,156	3,335	3,15	3,192	3,492
3,152	3,397	3,182	3,225	3,49
3,179	3,321	3,15	3,236	3,446
3,165	3,34	3,121	3,222	3,48
3,165	3,364	3,182	3,208	3,477
3,1634	3,3514	3,157	3,2166	3,477
3,121	3,27308	3,492	0,371	11,33488946
657,6605551	648,3875395	655,8726006	652,3988062	650,9497268
653,0538456				
374,0075868	354,7929224	374,1678175	368,0315861	343,595801
362,9191428				

10000a
10536,333
10531,558
10526,079
10513,176
10513,237
10524,0766

lel CUTTER-W (5)

	1000a	1000b	1000c	1000d	1000e	2500a	2500b	2500c	2500d	2500e
Run 1	2,469	2,483	2,469	2,711	2,682	6,522	6,589	6,449	6,579	6,631
Run 2	2,469	2,741	2,682	2,698	2,44	6,563	7,505	6,564	6,602	6,601
Run 3	2,454	2,453	2,697	2,717	2,44	7,578	6,587	6,538	6,496	6,598
Run 4	2,697	2,455	2,686	2,704	2,425	6,521	6,569	6,676	6,392	6,549
Run 5	2,697	2,482	2,693	2,711	2,44	6,523	6,607	6,506	6,668	7,791
Average	2,5572	2,5228	2,6454	2,7082	2,4854	6,7414	6,7714	6,5466	6,5474	6,834
MiAvMaDiPr	2,425	2,5838	2,741	0,316	12,23004877	6,392	6,68816	7,791	1,399	20,91756178
SpeedUp (4)	2,881980291	2,907483748	2,785590081	2,707407134	3,295485636	15,98270389	18,71881738	18,6721046	17,38265571	19,09306409
=> Avg.SU(4)	2,915589378					17,96986913				

 Explanation of "MiAvMaDiPr"

Mi = Minimum

Av = Average

Ma = Maximum

Di = Absolute Difference (Ma-Mi)

Pr = Procentual Difference (Ma-Mi)/Av

10000a
113,922
114,057
113,969
114,174
113,861
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113,9966

92,31921478
