

HP G72-B60 Windows 7 64-bit Prime95 V29.4 64-bit dual core I3-370M  
 (Some outliers are due to system thermal shutdowns affecting timing)

Prime95 benchmark output, system throughput, iter/sec (more is better for a given fft length)

# of cores per worker	2	1	2 HT	1 HT	Straddles chips? →	no	penalty from optimum			
							1 worker	2-workers	1 worker (HT)	2 workers (HT)
# of workers	1	2	1	2	max thrupt					
FFT length K						1 worker	2-workers	1 worker (HT)	2 workers (HT)	
2048	39.23	<b>40.04</b>	<u>33.39</u>	34.12	40.04	2.02%	0.00%	16.61%	14.79%	
...										
3584	<b>21.23</b>	21.24	18.23	<u>17.98</u>	21.24	0.05%	0.00%	14.17%	15.35%	
3840	<b>18.66</b>	19.48	16.67	<u>16.36</u>	19.48	4.21%	0.00%	14.43%	16.02%	
4096	<u>14.42</u>	<b>18.76</b>	15.58	15.41	18.76	23.13%	0.00%	16.95%	17.86%	
4480	<b>16.59</b>	16.50	13.91	<u>11.57</u>	16.59	0.00%	0.54%	16.15%	30.26%	
4608	14.96	<u>13.29</u>	13.75	<b>15.60</b>	15.6	4.10%	14.81%	11.86%	0.00%	
4800	16.42	<b>17.35</b>	<u>12.86</u>	13.75	17.35	5.36%	0.00%	25.88%	20.75%	
5120	14.68	<b>14.74</b>	<u>12.12</u>	12.19	14.74	0.41%	0.00%	17.77%	17.30%	
5376	<b>13.30</b>	13.28	<u>12.21</u>	12.23	13.3	0.00%	0.15%	8.20%	8.05%	
5600	12.85	<b>12.90</b>	<u>11.22</u>	11.33	12.9	0.39%	0.00%	13.02%	12.17%	
5760	<b>12.32</b>	12.22	<u>10.49</u>	10.52	12.32	0.00%	0.81%	14.85%	14.61%	
6144	11.75	<b>11.88</b>	10.41	<u>10.36</u>	11.88	1.09%	0.00%	12.37%	12.79%	
6400	<b>11.47</b>	11.43	9.35	<u>6.69</u>	11.47	0.00%	0.35%	18.48%	41.67%	
6720	<u>7.89</u>	10.18	<b>10.43</b>	10.16	10.43	24.35%	2.40%	0.00%	2.59%	
6912	9.80	<b>10.04</b>	9.41	<u>8.86</u>	10.04	2.39%	0.00%	6.27%	11.75%	
7168	<b>8.24</b>	8.22	<u>6.73</u>	7.25	8.24	0.00%	0.24%	18.33%	12.01%	
7680	9.07	<b>9.17</b>	7.85	<u>7.83</u>	9.17	1.09%	0.00%	14.39%	14.61%	
8000	<b>8.66</b>	8.3	<u>7.51</u>	7.62	8.66	0.00%	4.16%	13.28%	12.01%	
8192	8.65	<b>8.69</b>	7.61	<u>7.55</u>	8.69	0.46%	0.00%	12.43%	13.12%	
					min	0.00%	0.00%	0.00%	0.00%	
# fastest	8	9	1	1	average	3.63%	<b>1.23%</b>	13.97%	<b>15.14%</b>	
# slowest	2	1	8	8	max	24.35%	14.81%	25.88%	<b>41.67%</b>	

Dual core i3-370M Prime95 V29.4b8

Performance penalty vs fft length specific optimum

