

Systemsetup:

PC1

Dell T5500 Intel Xeon X5660 @ 2.8GHz

24GB RAM

2x NVIDIA Quadro 4000 (NO SLI activated) Display-Driver 310.90

Windows 7x64

HDD: Sata

see description Performance Test 8.0

PC2

Dell T7600 2x Intel Xeon E5-2609 @ 2.4GHz

64,0 GB RAM

2x NVIDIA Quadro 6000 (NO SLI activated) Driver: 276.19 (Original Dell DVD)

Windows 7x64

HDD: Raid 0 SSD for OS

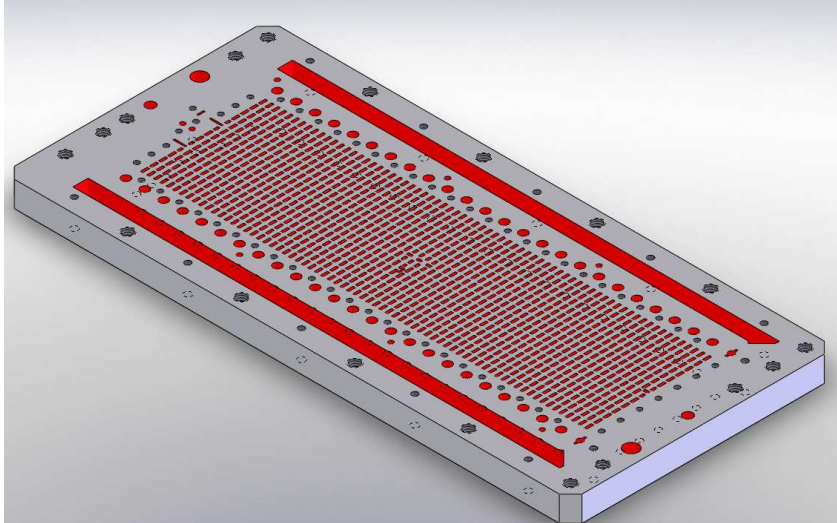
Raid 0 Sata for Data

see description Performance Test 8.0

1. Test

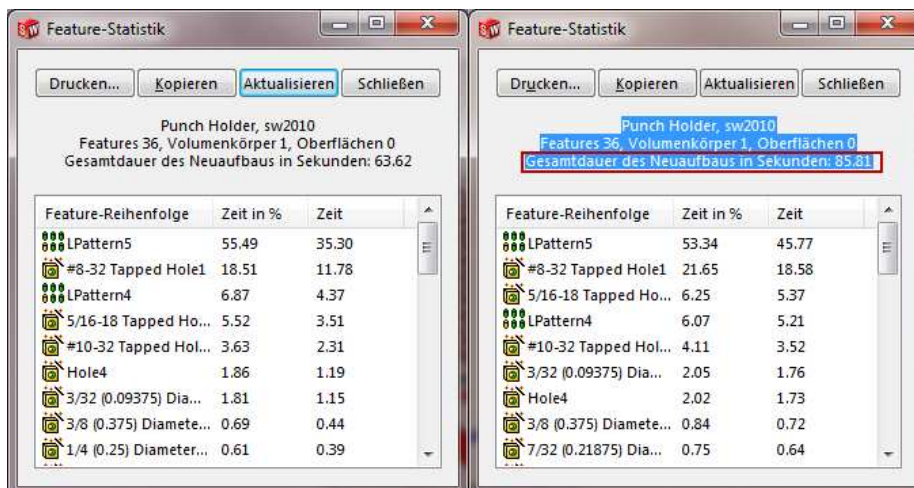
Updating the feature tree structure (STRG-Q) taken from:

<http://www.solidmuse.com/benchmarks/solidworks-benchmark-punch-holder/>



Time for regenerating (less seconds is better):

T5500 / T7600 with NVIDIA SW2010 patch:



The image shows two side-by-side screenshots of the SolidWorks 'Feature-Statistik' (Feature Statistics) dialog box. The left screenshot shows the original state, and the right screenshot shows the state after a patch was applied. The 'Gesamtdauer des Neuaufbaus in Sekunden' (Total regeneration time in seconds) is highlighted in red in both, showing a significant increase from 63.62 to 85.81 seconds.

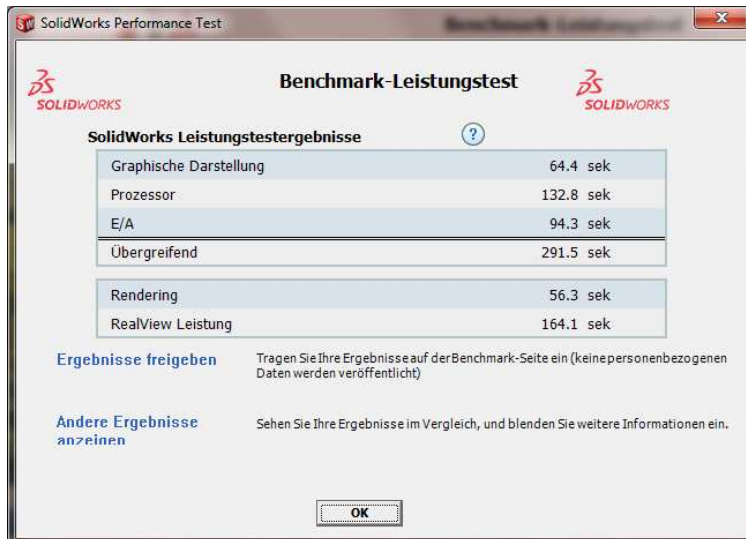
Feature-Reihenfolge	Zeit in %	Zeit
Punch Holder, sw2010 Features 36, Volumenkörper 1, Oberflächen 0 Gesamtdauer des Neuaufbaus in Sekunden: 63.62		
LPattern5	55.49	35.30
#8-32 Tapped Hole1	18.51	11.78
LPattern4	6.87	4.37
5/16-18 Tapped Ho...	5.52	3.51
#10-32 Tapped Hol...	3.63	2.31
Hole4	1.86	1.19
3/32 (0.09375) Dia...	1.81	1.15
3/8 (0.375) Diamete...	0.69	0.44
1/4 (0.25) Diameter...	0.61	0.39

Feature-Reihenfolge	Zeit in %	Zeit
Punch Holder, sw2010 Features 36, Volumenkörper 1, Oberflächen 0 Gesamtdauer des Neuaufbaus in Sekunden: 85.81		
LPattern5	53.34	45.77
#8-32 Tapped Hole1	21.65	18.58
5/16-18 Tapped Ho...	6.25	5.37
LPattern4	6.07	5.21
#10-32 Tapped Hol...	4.11	3.52
3/32 (0.09375) Dia...	2.05	1.76
Hole4	2.02	1.73
3/8 (0.375) Diamete...	0.84	0.72
7/32 (0.21875) Dia...	0.75	0.64

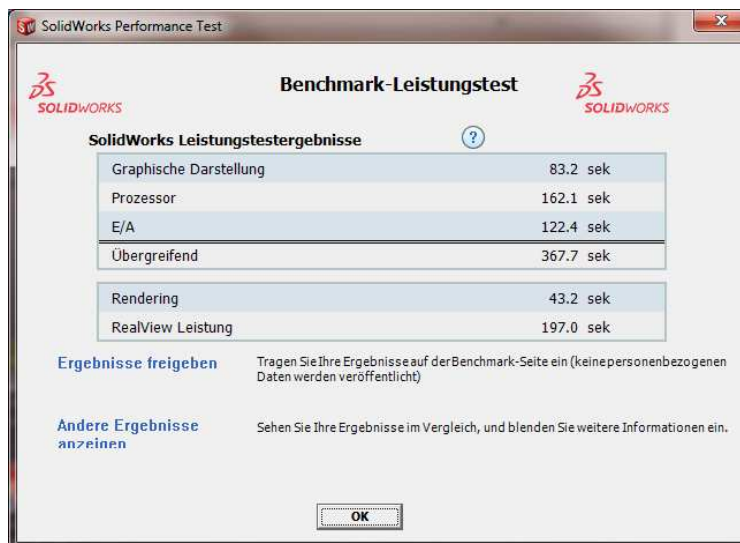
2. Test

in SW2012 integrated Rx Performance Test (less seconds is better):

T5500



T7600



3. Test

Performance-Test 8.0 Benchmark (Not Solidworks related)

T5500 / T7600 (higher is better)



4.test: SpecViewperf 11.0 <http://www.spec.org/gwpg/gpc.static/vp11info.html>

T5500

Results Summary

Viewperf 11.0

Viewset	Composite	Multisample Performance
catia-03	34.82	no result
ensight-04	29.51	no result
lightwave-01	40.13	no result
maya-03	49.42	no result
proe-05	7.88	no result
sw-02	36.67	no result
tcvis-02	34.17	no result
snx-01	31.35	no result

T7600

Results Summary

Viewperf 11.0

Viewset	Composite	Multisample Performance
catia-03	30.81	no result
ensight-04	46.96	no result
lightwave-01	32.71	no result
maya-03	40.97	no result
proe-05	6.53	no result
sw-02	29.31	no result
tcvis-02	38.17	no result
snx-01	39.76	no result

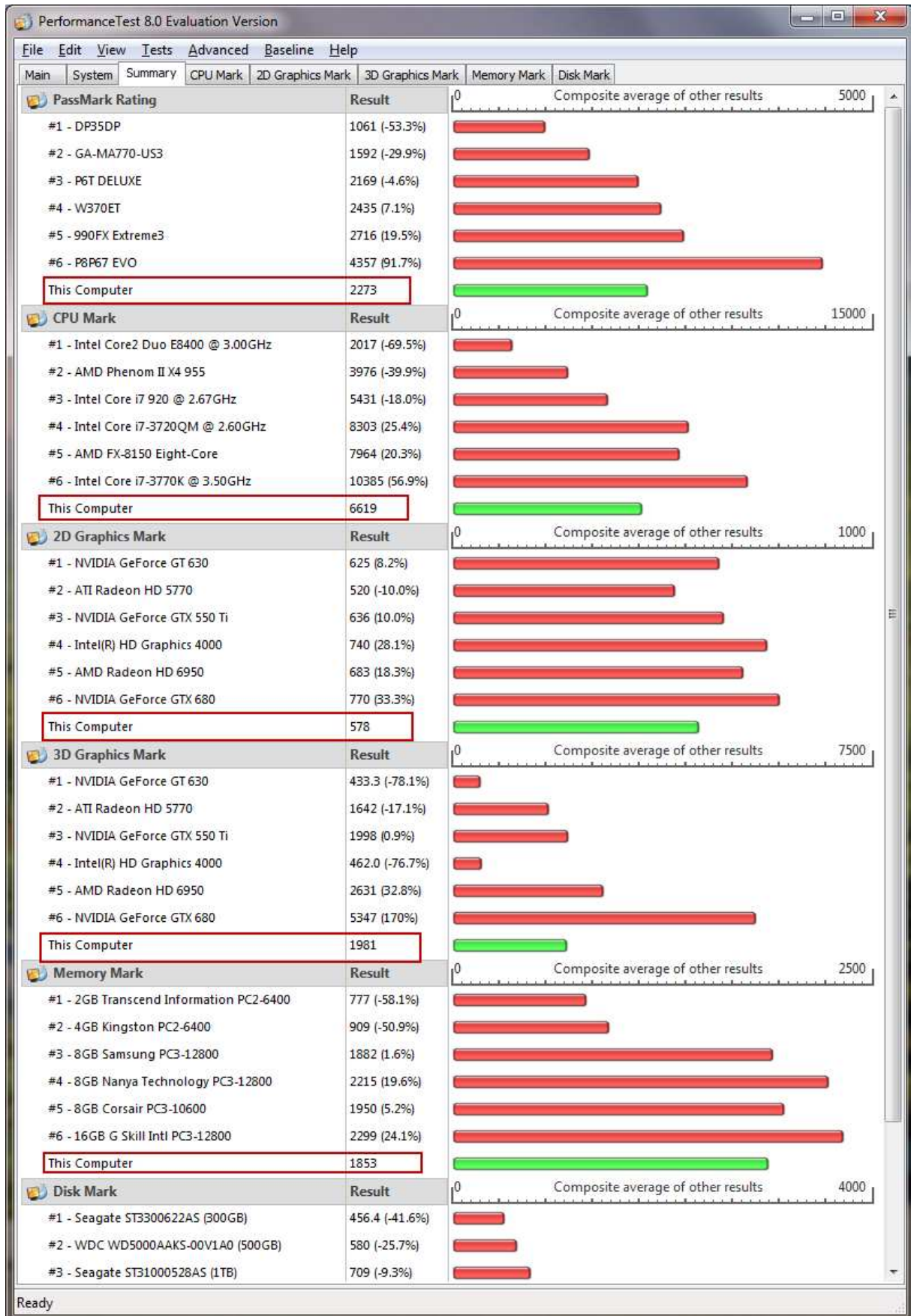
The results look nearly the same. This changes if one uses Multisample Performance Test.

On the T7600 the Multisample Performance Test took round about 1 Hour to finish.

On the T5500 the Test was stopped manually after nearly 14 Hours

Attachmend:

T5500 Test results overview



T7600 Test results overview

