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CPU-Benchmark Stadtschulen Solothurn

Intel Core 2 Duo L9400 testing with a HP 30EB under Ubuntu 10.04 via the Phoronix Test Suite.

Test Systems:

HP Elitebook

Processor: Intel Core 2 Duo L9400 @ 1.87GHz (2 Cores), Motherboard: HP 30EB, Chipset: Intel Mobile 4 MCH + ICH9M-E, Memory: 4096MB, Disk: 120GB TOSHIBA MK1216GS, Graphics: Intel Mobile 4 IGP 256MB, Audio: Analog Devices AD1984A, Monitor: S2433W

OS: Ubuntu 10.04, Kernel: 2.6.32-32-generic-pae (i686), Desktop: GNOME 2.30.2, Display Server: X Server 1.7.6, Display Driver: intel 2.9.1, OpenGL: 2.1 Mesa 7.7.1, Compiler: GCC 4.4.3, File-System: ext4, Screen Resolution: 1280x800

System Notes: Intel SpeedStep was enabled.

deltatronic Desktop

Processor: Intel Core 2 Duo E6850 @ 3.00GHz (2 Cores), Motherboard: ASUS P5W64 WS Pro, Chipset: Intel 82975X MCH + ICH7, Memory: 4 x 2048 MB DDR2, Disk: 2 x 1000GB Seagate ST31000340AS, Graphics: NVIDIA GeForce 8600 GTS, Audio: Analog Devices AD1988B

OS: Debian 6.0.2, Kernel: 2.6.32-5-amd64 (x86_64), Desktop: KDE 4.4.5, Display Server: X Server 1.7.7, Display Driver: NVIDIA 195.36.31, OpenGL: 3.2.0, Compiler: GCC 4.4.5, File-System: ext2/ext3, Screen Resolution: 1920x1200

System Notes: Firefox was running on this system. Intel SpeedStep was enabled.

Latitude D630

Processor: Intel Core 2 Duo T7100 @ 1.79GHz (2 Cores), Motherboard: Dell Latitude D630, Chipset: Intel Mobile PM965/GM965/GL960 + ICH8M, Memory: 2 x 1024 MB DDR-667MHz, Disk: 120GB FUJITSU MHW2120B, Graphics: NVIDIA Quadro NVS 135M, Audio: SigmaTel STAC9205

OS: Debian 6.0.1, Kernel: 2.6.32-5-686 (i686), Desktop: KDE 4.4.5, Display Server: X Server 1.7.7, Display Driver: NVIDIA 270.41.06, File-System: SquashFS + AuFS, Screen Resolution: 1280x800

System Notes: Firefox was running on this system.

Latitude E6400

Processor: Intel Core 2 Duo P8400 @ 2.26GHz (2 Cores), Motherboard: Dell 0G868N, Chipset: Intel Mobile 4 MCH + ICH9M-E, Memory: 1 x 2048 MB DDR2-800MHz, Disk: 160GB Western Digital WDC WD1600BJKT-7, Graphics: NVIDIA Quadro NVS 160M, Audio: IDT 92HD71B7X

OS: Debian 6.0.1, Kernel: 2.6.32-5-686 (i686), Desktop: KDE 4.4.5, Display Server: X Server 1.7.7, Display Driver: NVIDIA 1.0.0, Compiler: GCC 4.4.5, File-System: SquashFS + AuFS

System Notes: .

Lenovo T420

Processor: Intel Core i7-2620M @ 2.69GHz (4 Cores), Motherboard: LENOVO 418062G, Chipset: Intel Sandy Bridge, Memory: 1 x 4096 MB 1333MHz, Disk: 320GB HITACHI HTS72503, Graphics: Intel Sandy Bridge IGP, Audio: Conexant ID 506e

OS: Debian 6.0.1, Kernel: 2.6.32-5-686 (i686), Desktop: KDE 4.4.5, Display Server: X Server 1.7.7, Display Driver: intel 2.13.0, Compiler: GCC 4.4.5, File-System: SquashFS + AuFS

System Notes: .

Latitude E6420

Processor: Intel Core i7-2620M @ 2.70GHz (4 Cores), Motherboard: Dell 0K0DNP, Chipset: Intel 2nd Generation Core Family, Memory: 1 x 4096 MB 1333MHz, Disk: 320GB Hitachi HTS72323, Graphics: Intel 2nd Generation Core Family IGP 256MB (1300MHz), Audio: IDT 92HD90BXX

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: intel 2.14.0, OpenGL: 2.1 Mesa 7.10.2, Compiler: GCC 4.5.2, File-System: SquashFS + AuFS, Screen Resolution: 1366x768

System Notes: Intel SpeedStep was enabled.

Lenovo X220

Processor: Intel Core i5-2520M @ 2.50GHz (4 Cores), Motherboard: LENOVO 429128G, Chipset: Intel 2nd Generation Core Family, Memory: 1 x 4096 MB, Disk: 320GB HITACHI HTS72323, Graphics: Intel 2nd Generation Core Family IGP 256MB (1300MHz), Audio: Conexant CX20590

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: intel 2.14.0, OpenGL: 2.1 Mesa 7.10.2, Compiler: GCC 4.5.2, File-System: SquashFS + AuFS, Screen Resolution: 1366x768

System Notes: Intel SpeedStep was enabled.

Latitude E6220

Processor: Intel Core i5-2520M @ 2.50GHz (4 Cores), Motherboard: Dell 0R97MN, Chipset: Intel 2nd Generation Core Family, Memory: 1 x 4096 MB 1333MHz, Disk: 250GB Seagate ST250LT007-9ZV14, Graphics: Intel 2nd Generation Core Family IGP 256MB (1300MHz), Audio: IDT 92HD90BXX

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: intel 2.14.0, OpenGL: 2.1 Mesa 7.10.2, Compiler: GCC 4.5.2, File-System: SquashFS + AuFS, Screen Resolution: 1366x768

System Notes: Firefox was running on this system. Intel SpeedStep was enabled.

Toshiba Tecra R840-10G

Processor: Intel Core i7-2620M @ 2.70GHz (4 Cores), Motherboard: TOSHIBA Portable PC, Chipset: Intel 2nd Generation Core Family, Memory: 4096 MB + 2048 MB 1333MHz, Disk: 500GB Seagate ST9500420AS, Graphics: AMD Radeon HD 6470M (600/800MHz), Audio: Realtek ALC269VB

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: radeon 6.14.0, OpenGL: 2.1 Mesa 7.10.2 Gallium 0.4, Compiler: GCC 4.5.2, File-System: SquashFS + AuFS, Screen Resolution: 1366x768

System Notes: Intel SpeedStep was enabled.

Lenovo S10e

Processor: Intel Atom N270 @ 1.60GHz (2 Cores), Motherboard: Lenovo Kuril, Chipset: Intel Mobile 945GME MCH + ICH7-M, Memory: 2 x 512 MB DDR2-533MHz, Disk: 160GB HITACHI HTS54321, Graphics: Intel Mobile 945GME IGP 256MB, Audio: Realtek ALC269

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: intel 2.14.0, OpenGL: 1.4 Mesa 7.10.2, Compiler: GCC 4.5.2, File-System: SquashFS + AuFS, Screen Resolution: 1024x576

System Notes: Intel SpeedStep was enabled. This was running on battery power.

IBM T60

Processor: Intel T2300 @ 1.67GHz (2 Cores), Motherboard: LENOVO 2007WB8, Chipset: Intel Mobile 945GM/PM/GMS + ICH7-M, Memory: 2 x 1024 MB DDR2, Disk: 60GB Hitachi HTS541060G9SA00, Graphics: ATI Radeon Mobility X1400 (392/350MHz), Audio: Analog Devices AD1981

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: radeon 6.14.0, OpenGL: 2.1 Mesa 7.10.2 Gallium 0.4, Compiler: GCC 4.5.2, File-System: SquashFS + AuFS, Screen

Resolution: 1400x1050

System Notes: Firefox was running on this system. Intel SpeedStep was enabled.

Latitude E5510

Processor: Intel Core i5 M 560 @ 2.67GHz (4 Cores), Motherboard: Dell 0HX99H, Chipset: Intel Core, Memory: 2 x 2048 MB 1067MHz, Disk: 250GB Western Digital WDC WD2500BEKT-7, Graphics: Intel Core IGP 256MB, Audio: IDT 92HD81B1X5

OS: LinuxMint 11, Kernel: 2.6.38-8-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: intel 2.14.0, OpenGL: 2.1 Mesa 7.10.2, Compiler: GCC 4.5.2, File-System: SquashFS + AuFS, Screen Resolution: 1600x900

System Notes: Firefox was running on this system. Intel SpeedStep was enabled. This was running on battery power.

EliteBook 8460p

Processor: Intel Core i7-2620M @ 2.70GHz (4 Cores), Motherboard: HP 161C, Chipset: Intel 2nd Generation Core Family, Memory: 1 x 4096 MB, Disk: 320GB TOSHIBA MK3261GS, Graphics: AMD Radeon HD 6470M (750/900MHz), Audio: IDT 92HD81B1X5

OS: LinuxMint 11, Kernel: 2.6.38-10-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: radeon 6.14.0, OpenGL: 2.1 Mesa 7.10.2 Gallium 0.4, Compiler: GCC 4.5.2, File-System: SquashFS + AuFS, Screen Resolution: 1600x900

System Notes: Intel SpeedStep was enabled.

EliteBook 2560p

Processor: Intel Core i5-2540M @ 2.60GHz (4 Cores), Motherboard: HP 162B, Chipset: Intel 2nd Generation Core Family, Memory: 1 x 4096 MB, Disk: 320GB Western Digital WDC WD3200BEKT-6, Graphics: Intel 2nd Generation Core Family IGP 256MB, Audio: IDT 92HD81B1X5

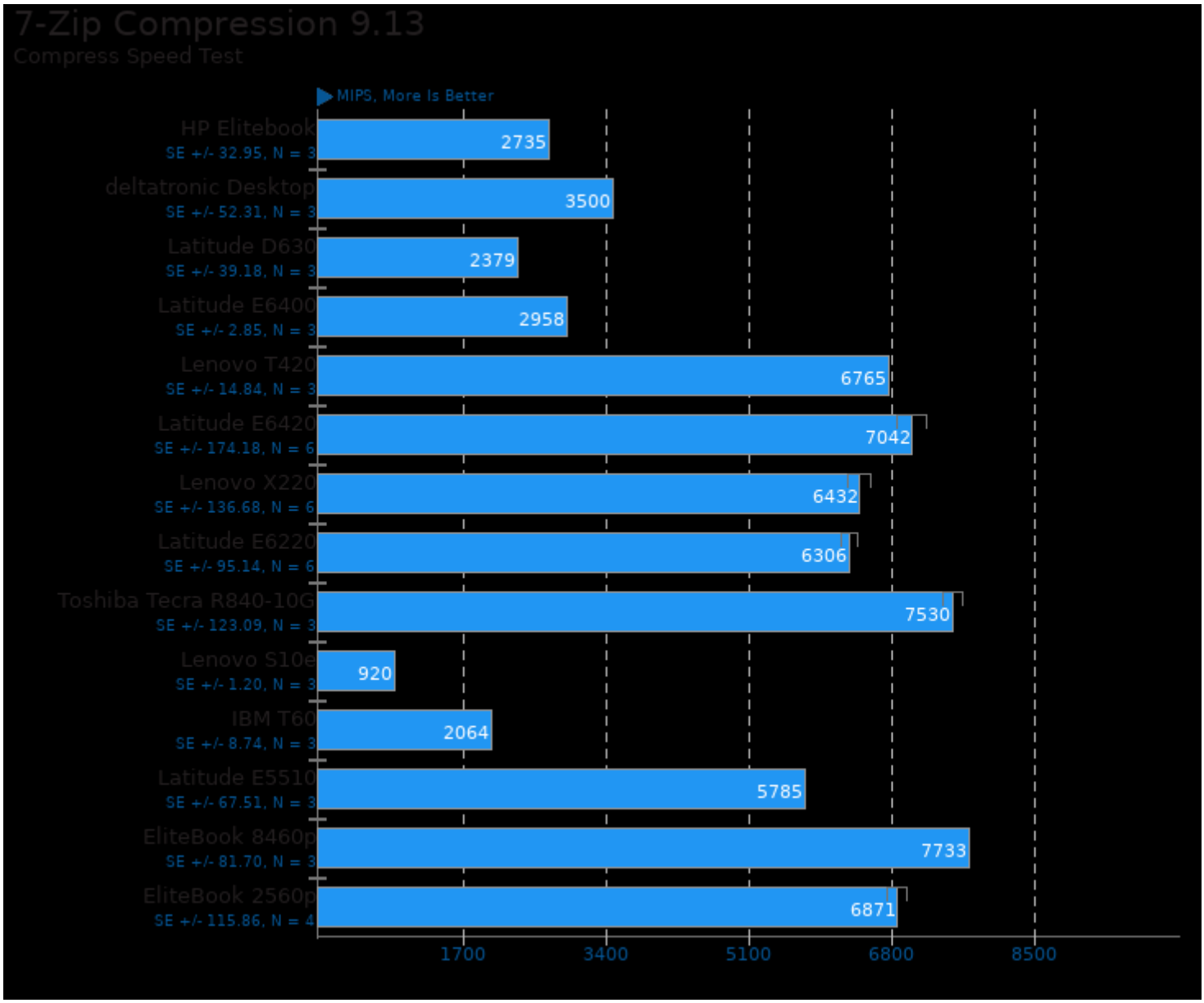
OS: LinuxMint 11, Kernel: 2.6.38-8-generic (i686), Desktop: LXDE, Display Server: X Server 1.10.1, Display Driver: intel 2.14.0, OpenGL: 2.1 Mesa 7.10.2, File-System: SquashFS + AuFS, Screen Resolution: 1366x768

System Notes: Intel SpeedStep was enabled.

	HP Elitebook	deltatronic Desktop	Latitude D630	Latitude E6400	Lenovo T420	Latitude E6420	Lenovo X220	Latitude E6220	Toshiba Tecra R840-10G	Lenovo S10e	IBM T60	Latitude E5510	EliteBook 8460p	EliteBook 2560p

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7-Zip Compression - C.S.T (MIPS)	2735	3500	2379	2958	6765	7042	6432	6306	7530	**920**	2064	5785	**7733**	6871
Normalized	35.37%	45.26%	30.76%	38.25%	87.48%	91.06%	83.18%	81.55%	97.37%	11.9%	26.69%	74.81%	100%	88.85%
Standard Deviation	2.1%	2.6%	2.9%	0.2%	0.4%	6.1%	5.2%	3.7%	2.8%	0.2%	0.7%	2%	1.8%	3.4%



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