

## **BogoMips mini-Howto**

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# BogoMips mini-Howto

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v30, 2000-11-09

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*This text gives some information about BogoMips, compiled from various sources such as news and e-mail. This text, in it most up to date version, is retrievable from its homepage at [www.clifton.nl](http://www.clifton.nl), and at the various Linux archives in the file .../HOWTO/mini/BogoMips. Translations are available, as far as I know, in French, Japanese, Italian, German, Polish, Portuguese, [Slovak](#), [Chinese](#), and [Hungarian](#) from appropriate archives. An explanatory article, titled 'the Quintessential Linux Benchmark,' was published in the Linux Journal, issue January 1996. The BogoMips is also explained in [The Jargon File](#). New mini-Howto entries for unlisted CPUs will be highly appreciated. They can be send per e-mail to the author.*

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### 1. [Lowest and highest BogoMips ratings](#)

The following are the lowest and the highest BogoMips ratings, are reported directly to me, or published on Usenet.

#### 1.1 The lowest Linux boot sequence BogoMips value

- Tim Van der Linden, [timvdl@innet.be](mailto:timvdl@innet.be)
- Intel 8088, at 4.77 MHz, ELKS
- 0.02 BogoMips

#### 1.2 The highest single-CPU Linux boot sequence BogoMips value

- Stuart Trusty, [stuart@linuxlabs.com](mailto:stuart@linuxlabs.com)
- AMD Athlon at 1100 MHz
- 2182.35 BogoMips

#### 1.3 The highest multiple-CPU Linux boot sequence BogoMips value

- Peter Rival, [frival@zk3.dec.com](mailto:frival@zk3.dec.com)
- 31x Alpha EV67 CPUs, at 731 MHz, SMP
- 46170.90 BogoMips

#### 1.4 The highest non-Linux BogoMips value

- [zumbusch@iam.uni-bonn.de](mailto:zumbusch@iam.uni-bonn.de)
  - Parnass2, 144 Pentium II CPUs, in SMP2 configurations, at 400MHz
  - Myrinet Multiprocessing over Linux/SMP
  - 57684.96 BogoMips
- 

## 2. [The frequently asked questions about BogoMips](#)

Several authors have contributed to my knowledge of BogoMips. In this place, I would like to thank them highly.

## 2.1 What are BogoMips

Quoted from the Internet, origin unknown but brought to the attention by Eric S Raymond `esr@thyrsus.com`, and Geoff Mackenzie `freon@dialstart.net`, there is an humourously illustrative definition of BogoMips as "the number of million times per second a processor can do absolutely nothing."

On a more precise basis, from Lars Wirzenius' `wirzeniu@kruuna.Helsinki.FI` mail of 9 September 1993, explaining Bogomips, with additional detailed information by Alessandro Rubini, `rubini@norgana.systemy.it`, and by Wim van Dorst:

'MIPS is short for Millions of Instructions Per Second. It is a measure for the computation speed of a program. Like most such measures, it is more often abused than used properly (it is very difficult to justly compare MIPS for different kinds of computers).

BogoMips are Linus's invention. The kernel (or was it a device driver?) needs a timing loop (the time is too short and/or needs to be too exact for a non-busy-loop method of waiting), which must be calibrated to the processor speed of the machine. Hence, the kernel measures at boot time how fast a certain kind of busy loop runs on a computer. "Bogo" comes from "bogus", i.e, something which is a fake. Hence, the BogoMips value gives some indication of the processor speed, but it is way too unscientific to be called anything but BogoMips.

The reasons (there are two) it is printed during boot-up is that a) it is slightly useful for debugging and for checking that the computers caches and turbo button work, and b) Linus loves to chuckle when he sees confused people on the news.'

BogoMips are being determined in `/usr/src/linux/init/main.c` (simple C algorithm), and the pertaining kernel variable `loops_per_sec` is used in several drivers for more serious purpose. The actual delay function `udelay()` is in assembler, and therefore each port has its own definition in `/include/asm/delay.h`. The `loops_per_sec` variable and the `udelay()` function are used in numerous drivers, see:

```
cd /usr/src/linux #or where else source is located
find . -name '*.hcS' -exec fgrep loops_per_sec {} /dev/null \;
find . -name '*.hcS' -exec fgrep udelay {} /dev/null \;
```

The BogoMips calculation loop for the non Intel CPUs is similar but not the same, because it is programmed in another assembler language. BogoMips is however the only portable way over the various CPUs (Intel-type and non Intel-type) for getting an indication of the CPU speed. Even CPU clock speed is not available on all CPUs.

## 2.2 How to estimate what the proper BogoMips rating should be

From a initiative by Ian Jackson, `ijackson@nyx.cs.du.edu`, and Przemek Klosowski, much updated and expanded by Wim van Dorst for current data, as listed below:

As a very approximate guide, the BogoMips can be calculated by:

System

BogoMips

Comparison

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Intel 8088	clock * 0.004	0.02
Intel/AMD 386SX	clock * 0.14	0.8
Intel/AMD 386DX	clock * 0.18	1 (definition)
Motorola 68030	clock * 0.25	1.4
Cyrix/IBM 486	clock * 0.34	1.8
Intel Pentium	clock * 0.40	2.2
Intel 486	clock * 0.50	2.8
AMD 5x86	clock * 0.50	2.8
Mips R4000/R4400	clock * 0.50	2.8
Nexgen Nx586	clock * 0.75	4.2
PowerPC 601	clock * 0.84	4.7
Alpha 21064/21064A	clock * 0.99	5.5
Alpha 21066/21066A	clock * 0.99	5.5
Alpha 21164/21164A	clock * 0.99	5.5
Intel Pentium Pro	clock * 0.99	5.5
Cyrix 5x86/6x86	clock * 1.00	5.6
Intel Pentium II/III	clock * 1.00	5.6
AMD K7/Athlon	clock * 1.00	5.6
Intel Celeron	clock * 1.00	5.6
Mips R4600	clock * 1.00	5.6
Alpha 21264	clock * 1.99	11.1
AMD K5/K6/K6-2/K6-III	clock * 2.00	11.1
AMD Duron	clock * 2.00	11.1
UltraSparc II	clock * 2.00	11.1
Pentium MMX	clock * 2.00	11.1
PowerPC 604/604e/750	clock * 2.00	11.1
Motorola 68060	clock * 2.01	11.2
Motorola 68040	not enough data (yet)	
IBM S390	not enough data (yet)	

Note that the BogoMips calculation loop does not take full advantage of the parallelism of various processors, such as the Intel Pentium and the Alpha 21164.

## 2.3 How to determine what the current BogoMips rating is

There are three methods to determine the current BogoMips, viz.

1. looking in `/proc/cpuinfo`, e.g., with ``cat /proc/cpuinfo``. This method is highly preferred above the alternatives.
2. looking in the `syslog` output to see what was printed there during booting (if necessary retrieving the information explicitly with `dmesg` or `syslogk`). This alternative gives accurate information but is more work.
3. using the standalone `bogomips` program. This is only recommended for non-Linux system, for reasons pointed out below.

A non-determinative alternative, which is also applicable for non-Linux systems such as Crays and so, may be the standalone BogoMips program. From the readme file by Jeff Tranter, [jeff\\_tranter@mitel.com](mailto:jeff_tranter@mitel.com):

```
`Tired of rebooting your system so you can see how many BogoMips it's running at today?
[...] "Bogomips" is a standalone program that displays your system performance using one of
the world's most recognized benchmarks. It uses the same code that is used in the Linux
kernel while booting, but runs as a user program. [...] Version 1.3 of BogoMips is now
```

portable and should run on any system that supports an ANSI C compiler and library.'

Note that due to system load values calculated with the standalone program on Linux systems may be lower than registered in the list below. Intrinsically the standalone cannot give precisely similar information to the boot sequence BogoMips, since system load will compete with this program run by an ordinary user. Therefore only boot sequence BogoMips ratings are listed below.

Be aware that the file

`sunsite.unc.edu:/pub/Linux/system/status/bogo-1.2.tar.gz/` contains the latest version 1.3 (sic), which is yet rather outdated. Nonetheless, due to its good portability, it should compile and run on nearly every system with a C compiler.

## 2.4 Variations in BogoMips rating

From Linus Torvalds, `torvalds@cc.helsinki.fi`, explaining about the variation one may see in the BogoMips rating, in `c.o.l.development`, at 28 April 1994

'The BogoMips calculation loop is "quantized", so you're most likely to get the exact same number all the time. You usually will get different numbers only if the speed is just on the "edge", when small variations (different time for interrupt ticks etc) will make it jump from one value to the other.'

If a kernel is not compiled specifically for the pertaining CPU, also some (even large) variations of the BogoMips ratings can occur, mainly due to erroneous alignment. This problem apparently only occurs on the various x86 CPUs (Intel and clones). Fortunately it can easily be solved: recompile the kernel specifically for your CPU.

## 2.5 New BogoMips algorithm?

No, the BogoMips algorithm, contrarily to popular believe, did NOT change over the various kernel versions. Furthermore, it is intrinsically the same for all CPUs of all makes.

What did change in kernel version 2.2.14 is the CPU state setting just before the BogoMips calculation. This affects the BogoMips rating for all Intel and AMD Pentium variations, resulting in approximately 2\*clock, where these were not 2\*clock. The entries based on these upgraded kernel versions are marked in the list below with an initial \*.

## 2.6 BogoMips ... failed

Suggested by various questions on the net and private mail, e.g., by Lily, `lbliao@alumni.caltech.edu`, and by Pierre Frenkiel, `frenkiel@cdfap2.in2p3.fr`. In March 1995 they asked:

'When I boot Linux I get the message:

```
Calibrating delay loop.. ok - 23.96 BogoMips
failed
```

Where/why has the calibration delay loop failed?'

It didn't fail. If it had failed the text would have been

```
Calibrating delay loop.. failed
```

What likely did fail was a driver for some gadget which you may not have in your machine. Just after calculating the BogoMips rating all device drivers are initiated. First the SCSI devices, then Net devices, etc. Any failure is duly reported. Noteworthy is the AHA152x driver. Other effects of failing drivers (and not of failing BogoMips calculations) are systems crashes, long waits, and complete system locks, somewhere close to (just before or just after) outputting the ok – xx.xx BogoMips text.

Since Linux 1.2 many error messages have improved, so upgrade to at least that version to find out which particular driver it is that is failing. Also recompile the kernel to only include the drivers that are actually needed for your hardware configuration.

## 2.7 What about clone CPUs (Cyrix, NexGen, AMD, etc)

Cyrix 486-like CPUs need cache enabling software, sometimes referred to as BogoBoost software. Cyrix 5x86 and 6x86 CPUs may have their BogoMips improved drastically by branch-prediction (BIOS option). Note that the performance improvement may be marginal. There are several packages available for adjusting Cyrix CPUs, such as the BogoBoost patch, cx5x86mod, and set6x86, all from the normal archives, in obvious places. It is reported the Cyrix 6x86 CPUs may give better performance when the kernel is compiled with 486-optimization, instead Pentium-optimization.

NexGen 386-enhanced CPUs, marked as Nx586, are listed as 386-like, since the fact that they are performing like Pentium machines is not relevant to BogoMips.

AMD 5x86, also denoted as AMD 486DX5, are quadrupled 486/33 machines. They are fully in line with other 486 CPUs. The AMD K5 and the K6 are Pentium-like CPUs, with their own BogoMips multipliers.

## 2.8 Why to pay attention to BogoMips

Let me add that there are only two reasons for paying attention to the BogoMips rating that is presented on booting Linux:

1. To see whether it is in the proper range for the particular processor, its clock frequency, and the potentially present cache. Many CPUs are prone to faulty setups of
  - ◆ memory cache setting (write-back is wrong for BogoMips, often reported lower than 5; write-through is ok)
  - ◆ turbo-buttons (should be ON)
  - ◆ BIOS-software emulated fake cache (change it for real cache)
  - ◆ similar cache and clock related things, sometimes also BIOS-software related
2. To see whether your system is faster than mine. Of course this is completely wrong, unreliable, ill-founded, and utterly useless, but all benchmarks suffer from this same problem. So why not use it? This inherent stupidity has never before stopped people from using benchmarks, has it? :-)

Note that more serious uses for real benchmarking are addressed in the Linux Benchmarking Howto by André D. Balsa.

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### 3. [Compilation of ratings](#)

The following table gives some reported BogoMips ratings for various systems: more than 1200 entries by more than 1000 different persons, from approximately 50 different countries. Note that the ratings here are from the actual Linux booting sequence, except of course for the section on Non-Linux Systems.

#### 3.1 Oddly or faultily configured 386 systems

System	BogoMips	Reporter
386DX/16 387 nocache	0.57	H. Peter Anvin <hpa@nwu.edu>
386DX/25	0.82	P Wright <philip.wright@purplet.demon.co.uk>
386DX/25 nocache	1.03	Mark A. Horton <mahmha@crl.com>
386SX/16	1.5	Stefan Kromer <sk@galaxy.sunflower.sub.org>
386SX/16	1.6	Bill Davidsen <davidsen@tmr.com>
386SX/20	1.87	Paul C. Dulany <pcdulany@wam.umd.edu>
386SX/20	2.45	Roger Harkess <roger@visi.com>
386DX/25(?) 128c	6.03	Chuck Meo <meo@solbourne.com>
386DX/20	13	Ed Runnion <erunnio@hubcap.clemson.edu>

#### 3.2 Normal 386 systems: SX, DX, Nexgen

System	BogoMips	Reporter
386SX/8 undercl	1.04	Andrew Costa <c_chaos@wahnapiatae.on.ca>
386SX/12	1.78	Klaus Kettner <kk@sesom.de>
386SX/16	1.99	James Vahn <jvahn@short.circuit.com>
386SX/16 Packard Bell	2.05	<root@Belvedere\%hip-hop.suvl.ca.us>
386SX/16	2.09	David E. Fox <dfox@belvedere.sbay.org>
386SX/16	2.15	W Stevens <wgsteven@math.uwaterloo.co>
386SX/16	2.2	Lech Marcinkowski <puolalm@tekla.fi>
386SX/16	2.23	Andrew Bulhak <acb@yoyo.cc.monash.edu.au>
386SX/16	2.23	Steven M. Gallo <smgallo@cs.buffalo.edu>
386SX/16	2.34	Kevin Burtch <kburtch@pts.mot.com>
386SX/16 turbo	2.38	Andrew Haylett <ajh@gec-mrc.co.uk>
386SX/16 0c	2.43	Adam Clarke <adamc@loose.apana.org.au>
386SX/16	2.49	Waymon <waymon@pacifier.com>
386SX/20	2.7	Alex Strasheim <astrashe@nyx.cs.du.edu>
386SX/20	2.70	J.L. Brothers <brothers@halcyon.com>
386SX/20	2.89	Anders Stenback <stenback@hehe.com>
386SXL/25 AMD	2.9	Vaughan R. Pratt <pratt@sunburn.stanford.edu>
386SX/25 AMD 0c	3.06	K.J. MacDonald <kenny@festival.ed.ac.uk>
386SX/25 AMD	3.38	Hamish Coleman <hamish@zot.apana.org.au>
386SX/25 0c	3.52	Rogier Wolff <r.e.wolff@et.tudelft.nl>
386SL/25 Intel	3.57	S Harris <harris@teaching.physics.ox.ac.uk>
386SX/25 AMD	3.62	S Harris <harris@teaching.physics.ox.ac.uk>
386SXL/25 AMD 0c	3.71	David E.A. Wilson <david@cs.uow.edu.au>
386SX/25 Intel	3.92	Yves Bellefeuille <yan@storm.ca>
386SX/33 Intel	4.06	Kenneth J. Hoover <ken@psuedvax.psu.edu>
386SX/33	4.71	Alexander Komlik <apkom@l.ukrcom.kherson.ua>
386SX/40 Intel 0c	6.03	Michael Kenyon <u3g12@keele.ac.uk>
386DX/16	2.49	Mike <mike@emgee.demon.co.uk>
386DX/20 Intel	3.0	Malcolm Reeves <reeves@rockyl.usask.ca>
386DX/20 Intel	3.08	Si. Harris <harris@teaching.physics.ox.ac.uk>
386DX/20 Nec Powermate	3.22	David J Dawkins <davidd@isl.co.uk>
386DX/20 Micronics	3.25	M Haardt <u31b3hs@informatik.rwth-aachen.de>
386DX/20	3.67	Joost Helberg <jhelberg@nlsun8.oracle.nl>
386DX/25	3.91	Ian McCloghrie <imcclogh@cs.ucsd.edu>
386DX/25	3.95	Grant Edwards <grante@aquarius.rosemount.com>

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386DX/25 0cache	3.96	J.O. Williams <jow@techbase.com>
386DX/25 32cache	4.53	J.M.A. Lahtinen <jmalahti@klaava.Helsinki.FI>
386DX/33	5.86	Tim Lacy <timla@microsoft.com>
386DX/33 64cache	5.99	Lars Wirzenius <wirzeniu@kruuna.Helsinki.FI>
386DX/33 Intel	5.99	Harri Pasanen <hpasanen@cs.hut.fi>
386DX/33 no387	6.03	Joel B. Levin <levin@bbs.com>
386DX/33 387	6.03	Peter Bechtold <peter@fns.greenie.muc.de>
386DX/40	6.21	J.L. Brothers <brothers@halcyon.com>
386DX/33	6.46	Dennis Robinson <djrobin@uxa.cso.uiuc.edu>
386DX/33	6.5	Dean Nelson <deannelson@aol.com>
386DX/33 387 256cache	6.65	Wim van Dorst <baron@clifton.hobby.nl>
386DX/33	6.65	Rick Lim <ricklim@opus.freenet.vancouver.bc.ca>
386DX/33	6.7	Craig Hagan <hagan@cih.com>
386DX/40	6.99	Ken Wilcox <wilcox@math.psu.edu>
386DX/40 AMD	7.76	Joe Phillips <rchandra@letter.com>
386DX/40 AMD	7.10	Kerry Person <kperson@plains.NoDak.edu>
386DX/40	7.10	D. Bikram Singh <a336dhal@cdf.toronto.edu>
386DX/40 128cache	7.23	Julian Francis Day <jfd0@aber.ac.uk>
386DX/40 bogoboosted	7.23	Pat St Jean <stjean@math.enmu.edu>
386DX/40 AMD 128cache	7.23	R.Bergs <rabe@akela.informatik.rwth-aachen.de>
386DX/40 slow DRAM	7.26	John Lockwood <lockwood@pan.vlsi.uiuc.edu>
386DX/40 128c	7.29	Karsten Frieese <ftdkafr@ftd.ericsson.se>
386DX/40	7.29	E.C. Garrison <ericg@nickel.ucs.indiana.edu>
386DX/40	7.29	Darin Cowan <cowan@rubicon.org>
386DX/40	7.29	Bonne van Dijk <bonne@cs.utwente.nl>
386DX/40 AMD	7.76	Todd Lindner <tlindner@panix.com>
386DX/40	7.76	Bear Giles <bear@indra.com>
386DX/40 AMD 387 64c	7.91	<wires@gnu.ai.mit.edu>
386DX/40	7.98	Frank Pilhofer <fp@informatik.uni-frankfurt.de>
386DX/40 64c	7.98	Dean Junk <dpjunk@mm.com>
386DX/40 AMD 32c	7.98	Tommy Olsen <tommyo@ifi.uio.no>
386DX/40 AMD	7.98	James Reith <reith@racores.com>
386DX/40	7.98	Aaron T. Baldie <atb@u.washington.edu>
386DX/40 128c	7.98	John Pate <jpate@easynet.co.uk>
386DX/40	7.98	Christian Nelson <cnelson@csugrad.cs.vt.edu>
386DX/40	7.98	Alan Peckham <peckham@dreienet.dec.com>
386DX/40	8.06	Michael Guslick <michaelg@alpha2.csd.uwm.edu>
386DX/40	8.06	Richard Brown <brown@midget.towson.edu>
386DX/40	8.06	Bill G. Bohling <bs146@tali.uchsc.edu>
Nx586/90 NexGen	67.44	<root@wgw.mnsinc.com>
Nx586/90 NexGen	67.44	Robert Gehring <rag@cs.tu-berlin.de>
Nx586/90 NexGen	67.48	David G. Eckard <dgeckard@eos.ncsu.edu>
Nx586/100 NexGen	74.34	Cameron L. Spitzer <cls@truffala.sj.ca.us>
Nx586/100 NexGen 256c	74.56	Marius Groenendijk <marius@cray-systems.lu>
Nx586/110 NexGen 256c	81.51	Michael J. Micek <mmicek@muddcs.cs.hmc.edu>
Nx586/110 NexGen	81.51	Ron Marsh <rmarsh@plains.nodak.edu>

## 3.3 Oddly or faultily configured 486 systems

System	BogoMips	Reporter
486DX/33 0c	1.45	Mark Gray <vatavian@gvul.gatech.edu>
486SL/25 0c	1.95	Paraskevas Evripidou <skevos@seas.smu.edu>
486DLC/40 0c	2.45	S.Schendel <sschend@magnus.acs.ohio-state.edu>
486DX/33 128c	2.94	P.J. Nefkens <p.nefkens@student.utwente.nl>
486DX4/120 AMD	3.04	Andrew Steinbach <stei0113@maroon.tc.umn.edu>
486DX5/133 AMD	3.05	Eric Hagen <ehagen@hawaii.edu>
486DX4/100 Cyrix	3.06	Stuart Harvey <sharvey@primenet.com>
486DX5/133 AMD	3.06	Charles Galpin <chg@severn.wash.inmet.com>
486DX4/100	3.06	Bear Giles <bear@indra.com>
486DX2/80	3.08	Gerald E. Butler <gbutler@phoenix.kent.edu>

## BogoMips mini-Howto

486DX4/120 AMD	3.08	Charles Hines <chuck_hines@vnet.ibm.com>
486DX4/66 256c	3.10	Riccardo Capella <mc8508@mcmlink.it>
486DX4/100 wb-cache	3.10	Paul Close <pdcs@sgi.com>
486DX4/120	3.13	Brian Perkins <bperkins@netspace.com>
486DX4/120 AMD	3.15	<eruston@net2.intserv.com>
486DX4/100	3.17	Thomas Sudbrak <sudbrak@borneo.gmd.de>
486SLC2/50 Cyrix	3.30	Colin J. Wynne <cwynne@sage.wlu.edu>
486DX/33	3.61	Marten van de Laan <marten@cs.rug.nl>
486DX/33 noturbo	3.61	Dimitris Evmorfopoulos <devmorfo@mtu.edu>
486DX4/120	3.74	Brian Wheeler <bdwheele@indiana.edu>
486DX4/120 AMD	3.74	Frank Pilhofer <fp@informatik.uni-frankfurt.de>
486DX4/100 Cyrix 256c	4	Joel Kelso <jkel@cs.murdoch.edu.au>
486DX/33 256c noturbo	4.25	Wouter Liefsting <wliefsting@cs.vu.nl>
486DX/33	4.66	Mark Gray <vatavian@gvul.gatech.edu>
486R2 Cyrix 25/50	4.85	<coscl9v2@menudo.uh.edu>
486SX/33 noturbo	5.21	Scott D. Heavner <sdh@fishmonger.uucp>
486DX2/66 overdrive	5.37	Jeremy Orr <jeremy@careercenter.sfsu.edu>
486DX/33	5.66	Ryan Tucker <rtucker@ttgcity.com>
486DX2/66	5.88	P.J. Nefkens <p.nefkens@student.utwente.nl>
486DX4/100	5.94	Howard Goldstein <hg@n2wx.ampr.org>
486DX4/100 AMD	5.94	Mr Pink <vince@dallas.demon.co.uk>
486DX4/100 notebook	6.55	Thomas <tom@dirac.physik.uni-konstanz.de>
486DX4/100 notebook	6.55	Hugh McCurdy <hmccurdy@ix.netcom.com>
486SLC Cyrix	7	Pieter Verhaeghe <pive@uia.ac.be>
486SX/33	7.84	Paul Hedderly <prh6@unix.york.ac.uk>
486DLC/40	7.98	Wil Cromer <nwc2@Ra.MsState.Edu>
486DX/33 256c	8.27	Rohan Tronson <rohan@kihi.com.au>
486DX4/100	11.11	NN <usenet@uxmail.ust.hk>
486DX4/100	11.3	Earl Gooch <egooch@mc.com>
486/66 Cyrix	13.02	Mike Baptiste <baptiste@bnr.ca>
486SLC2/25	14.6	Vaughan R. Pratt <pratt@Sunburn.Stanford.EDU>
486DX2/66 laptop	14.46	Robert Knop <rknop@netcom.com>
486SLC2/66	18.94	<root@avalon.net>
486DX/33 turbo	19.98	C Vetter <cbvetter@informatik.th-darmstadt.de>
486DX4/75	21.5	Theo Scott <rkwtgs@pukrs3.puk.ac.za>
486DX4/75	24.13	Sherman Hsieh <shieh@csua.berkeley.edu>
486DX2/58	26.3	Vassili Leonov <leonov@iedv7.acd.com>
486DX4/100 overclock	28.67	Theo Scott <rkwtgs@pukrs3.puk.ac.za>
486DX2/80	36	Mark Lee <mlee@heartlab.rri.uwo.ca>
486DX2/80	50.08	Mark Lee <mlee@heartlab.rri.uwo.ca>
486DX4/100	60	Sebastien Dedieu <dedieu@emi.u-bordeaux.fr>
486DX2/100 overclock	60.45	Tony D Shan <tdsst9@pitt.edu>
486DX5/133 AMD	75.40	Jeff Hyche <jwhyche@scott.net>
486DX5/133 AMD	80.08	NN <guest@slip-29-7.ots.utexas.edu>
486DX5/133 AMD	87	John Wiggins <jwiggins@comp.uark.edu>

## 3.4 Normal 486 systems

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486SX/25	12.24	M. Buchenrieder <mibu@scrum.greenie.muc.de>
486SX/25	12.3	Darren McKay <e9bh@unb.ca>
486SX/25	12.42	Mark R. Lindsey <mlindsey@nyx.cs.du.edu>
486SX/25	12.42	Samuel Thibault <samuel.thibault@fnac.net>
486DX/25	12.5	Phillip Hardy <phillip@mserve.kiwi.gen.nz>
486SX/25	12.52	Emmanuel Emore <emor7672@elan.rowan.edu>
486DX/33 256c	16.33	Eric Kemminan <ekemmina@pms709.ms.ford.com>
486DX/33	16.35	Christopher L. Morrow <cm43@andrew.cmu.edu>
486DX/33	16.43	Rob Janssen <pelchl@amsat.org>
486DX/33 64cache	16.44	H. Peter Anvin <hpa@nwu.edu>
486DX/33 256c DIY	16.44	Wouter Liefsting <wliefsting@cs.vu.nl>

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486DX/33 noturbo	16.61	C Vetter <cbvetter@informatik.th-darmstadt.de>
486DX/33	16.61	Jeffrey L. Newbern <jnewbern@athena.mit.edu>
486DX/33	16.61	Giuseppe De Marco <gdemarco@freenet.hut.fi>
486DX/33	16.61	M Heuler <heuler@informatik.uni-wuerzburg.de>
486DX/33	16.61	Frank Lofaro <ftlofaro@unlv.edu>
486SX/33	16.64	Jacob Papenfuss <webmaster@the-corridor.com>
486SX/33	16.64	Samuel Thibault <samuel.thibault@fnac.net>
486DX/33	16.77	Donald Lewis <dlewis@jackson.freenet.org>
486DX/33	16.77	Stephan Boettcher <staphan@alzt.tau.ac.il>
486DX/33 256c	16.77	David Manchester <mustang@tartarus.uwa.edu.au>
486DX/40	19.8	Jose Calhariz <cal@minerva.inesc.pt>
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486DX/40	19.96	David A. Ranch <dranch@ecst.csuchico.edu>
486DX/40 AMD	19.97	M Haardt <u3lb3hs@informatik.RWTH-Aachen.DE>
486DX/40 Intel	19.97	Paul van Spronsen <vspr@teppic.sun.ac.za>
486DX/40	19.97	Ulf Tietz <ulf@rio70.bln.sni.de>
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486DX/40	19.97	Zoltan Lajber <lajbi@lajli.gau.hu>
486DX/40	19.97	Wim van Dorst <baron@wiesje.hobby.nl>
486DX/40 AMD	20	Chuck Munro <chuckm@canada.hp.com>
486DX/40 AMD	20.09	Pieter Eendebak <peendebak@bbsw.idn.nl>
486DX/50	24.48	Arnd Gehrmann <arnd@rea>
486DX/50 AMD	24.85	Klaas Hemstra <hst@mh.nl>
486DX/50 DTK	24.85	Randolph Christophers <randyc@lna.oz.au>
486DX/50	24.85	Kevin Lentin <kevinl@bruce.cs.monash.edu.au>
486DX2/50	24.85	Jason Matthew <jmatthew@kn.pacbell.com>
486DX2/50	24.85	Gregory P. Smith <smithgr@cs.colorado.edu>
486DX/50 VLB	24.97	Tom Miller <tvtom@en.com>
486DX/50	24.99	Jeff <css@erols.com>
486DX/50 Intel 256c	24.99	Mike <mike@emgee.demon.co.uk>
486DX/50	25	Robert Herzog <rherzog@rcl.vub.ac.be>
486DX2/50	25	M. Abrahamsson <swmike@uplift.df.lth.se>
486DX2/50	25.0	Christian Holtje <choltje@uxl.cso.uiuc.edu>
486DX2/50 DECpc	25.04	Thomas Pfau <pfau@cnj.digex.com>
486DX2/50 Eisa	25.04	John Willing <willing@cimage.com>
486DX2/50 256c	25.04	Zhou Yanmo <zhou@gauss.math.usf.edu>
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486DX2/66	32.9	Frederick <niles@axp745.gsfc.nasa.gov>
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486DX2/66	33	NN <coolefa@pmifeg.com>
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486DX2/66 Intel	33	Chuck Munro <chuckm@canada.hp.com>
486DX2/66 VLB	33.0	Sebastien Dedieu <dedieu@emi.u-bordeaux.fr>
486DX2/66 AMD	33.05	G. Skinner <gskinner@gwsun1.crystalball.com>
486DX2/66 VLB	33.18	Pablo Iranzo Gomez <iranzop@gong.ci.uv.es>
486DX2/66 VLB	33.18	Dag Wieers <dag@digibel.be>
486DX2/66	33.18	Remco den Besten <besten@rdr.nl>
486DX2/66	33.20	Arnd Gehrmann <arnd@rea.com>
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486DX2/66 Intel	33.22	Jim Barber <yeul@marsh.cs.martin.edu.au>
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486DX2/66	33.3	Devon Tuck <devon@netcom.com>
486DX2/66 256cache	33.4	H. Peter Anvin <hpa@nwu.edu>
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486DX2/66	33.55	W. Zeilinger <wzeil@doradus.ast.univie.ac.at>
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486DX2/66	33.55	Ulisses Alonso Camaro <alonso@bebe.uv.es>
486DX2/66	33.55	Bussmann <bussmann@wolpi.infomatik.uni-bonn.de>
486DX2/66 Intel/PCI	33.55	Louis J. LaBash <labash@lcjones.aclib.siue.edu>
486DX2/66 Intel	33.55	Andrew Tubbiolo <enigma@seds.lpl.arizona.edu>
486DX2/66	33.55	W Fink <werner.fink@physik.uni-stuttgart.de>
486DX2/66 ICL	33.55	Mathias Koerber <mathias@solomon.technet.sg>
486DX2/66	33.55	Bill Pogue <gwp@dithots.dithots.org>
486DX2/66 256c	33.58	Theo Scott <rkwtgs@pukrs3.puk.ac.za>
486DX2/66	33.7	C Triantafillou <triant@pegasus.montclair.edu>
486DX2/66 256c Intel	33.81	S Harris <harris@teaching.physics.ox.ac.uk>
486DX2/66	33.9	Magnus Back <erambk@eraj.ericsson.se>
486DX2/66 notebook	33.9	Robert A Knop <rknop@mop.caltech.edu>
486DX2/66	34.06	Al Clark <aclark@netcom.com>
486DX4/75	37.47	G Asmundarson <grettir@wordperfect.com>
486DX2/80	39.83	Samuel Thibault <samuel.thibault@fnac.net>
486DX2/80	39.93	Andrew Tubbiolo <enigma@seds.lpl.arizona.edu>
486DX2/80 overcl/66	39.94	Mario L. Guttierrez <mgutier@mentor.sdu.edu>
486DX2/80 AMD	39.94	Corey D Brenner <brenner@umr.edu>
486DX2/80	39.94	Dan Delaney <cgdela01@homer.louisville.edu>
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486DX2/80 overcl	39.94	Peter Suetterlin <ps@kis.uni-freiburg.de>
486DX2/80 overcl	39.94	Alex Montaron <canal@multimania.com>
486DX2/80 AMD	39.94	JL Gomez <kitana!sysop@caprica.com>
486DX2/80 AMD	39.94	Pete Krawczyk <pkrawczyk@uiuc.edu>
486DX2/80 AMD	40	Rene Baart <baart@simplex.nl>
486DX2/80 AMD	40	Wolfgang Kalthoff <wo@rio70.bln.sni.de>
486DX2/80	40.0	Rick Brown <ccastrb@prism.gatech.edu>
486DX2/80 AMD	40.14	Jon Lewis <jlewis@inorganic5.chem.ufl.edu>
486DX2/80 AMD	40.14	Richard S. Stone <rstone@edgp.com>
486DX2/80	40.15	Oleg <oleg@hpcms.co.il>
486DX2/80 AMD	40.18	Adri Verhoef <a3@a3.xs4all.nl>
486DX2/80	40.18	Mats Andtbacka <mandtback@abo.fi>
486DX2/100 AMD overcl	49.14	Jon Lewis <jlewis@inorganic5.chem.ufl.edu>
5x86/100 AMD undercl	49.66	NN <root@tailor.aleim.net>
486DX4/100	49.66	Pete Cervasio <cervasio@airmail.net>
486DX4/100 256c	49.71	Lutz Pressler <lutz.pressler@med-stat.GWDG.de>
486DX4/100	49.71	Brett Gersekowski <bgrerseko@powerup.com.au>

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486DX4/100	49.87	Chris Saia <minkie@concentric.net>
486DX4/100	49.87	Aaron Brick <abrick@dcc.uchile.cl>
486DX4/100	50	Donald Lewis <dlewis@jackson.freenet.org>
486DX4/100	50.02	Peter Skov Knudsen <gogol@ask.diku.dk>
486DX4/100	50.02	Shadow Weaver <djamison@students.wisc.edu>
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486DX4/100	50.06	Ronald Prague <ronp@fisnet.net>
486DX4/100	50.08	Matt Gisher <matt@matt.fidalgo.net>
486DX4/100	50.08	Steven A. Duchene <sduchene@cis.ysu.edu>
486DX4/100	50.08	Miles O'Neal <meo@schoneal.com>
486DX4/100	50.08	Will <zxmvg07@hpl2.zdv.uni-tuebingen.de>
486DX4/100	50.08	Piet de Bondt <bondt@dutiws.twi.tudelft.nl>
486DX4/100 laptop	50.08	Karl Kleinpaste <karl_kleinpaste@cs.cmu.edu>
486DX4/100 256c	50.08	Thomas Kanschik <y0000997@ws.rz.tu-bs.de>
486DX4/100	50.08	Linas Vepstas <linas@fc.net>
486DX4/100	50.08	Ed Daiga <daiga@engin.umich.edu>
486DX4/100 notebook	50.08	Gerry Quejada <fd863@cleveland.freenet.edu>
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486DX4/100	50.08	J.L. Brothers <brothers@halcyon.com>
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486DX4/100	50.08	Jacob Waltz <waltz@pcjiw.lampf.lanl.gov>
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486DX4/100	50.08	Thomas J Fisher <twb5odt@nmia.com>
486DX4/100	50.08	Pascal Pensa <pensa@aurora.unice.fr>
486DX4/100	50.08	Julian Bradbury <julian@xabcs.demon.co.uk>
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486DX4/120 AMD	59.80	Bob Purdon <bobp@mpx.com.au>
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486DX4/120 AMD	60.45	Oscar Belmar Madrid <obelmar@anakena.usach.cl>
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486DX4/120	60.45	Foersterling <dirk@informatik.uni-frankfurt.de>
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5x86/133 AMD	66.15	NN <root@tailor.aleim.net>
5x86/133 AMD	66.15	Brad Wilson <bwilson@deltanet.com>
5x86/133 AMD	66.15	Paul S. Doyle <paul.doyle@mci.com>
5x86/133 AMD	66.44	P Yli-Krekola <perttu@ntcmar01ba.ntc.nokia.com>
5x86/133 AMD	66.44	V. Tailor <vtailor@ibm.net>
5x86/133 AMD	66.55	Andrew B. Cramer <cramer@ripco.com>
5x86/133 AMD	66.56	Bob Nielsen <nielsen@primenet.com>
5x86/133 AMD	66.65	Geoff Raye <gtraye@igsrsparc2.er.usgs.gov>
5x86/133 AMD	66.7	Klaas Hemstra <hst@mh.nl>
5x86/133 AMD	66.80	N.N. <vp24njcb@ubvms.cc.buffalo.edu>
5x86/133 AMD 256c	67.10	Vasily Lewis
5x86/133 AMD	67.10	James Reith <reith@racores.com>

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5x86/133 AMD 256c	67.10	Gunnar Stefansson <gunnars@rhi.hi.is>
5x86/133 AMD 256c	67.10	Vernard Martin <vernard.martin@cc.gatech.edu>
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5x86/160 AMD overcl	79.87	Bird Chen <luca@linux.taiwan.hp.com>
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5x86/160 AMD overcl	79.89	Martin Vernon <martin@gw6hva.demon.co.uk>
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5x86/160 AMD overcl	80.36	Paul Colucci <pcolucci@acsu.buffalo.edu>
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## 3.5 Normal 486 variations: Cyrix/IBM, UMC

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486DLC/33 Cyrix wb	9.5	M. Asplund <matt@xenon.cchem.berkely.edu>
486DLC/33 Cyrix 386	11.2	Alex Freed <freed@europa.orion.adobe.com>
486DLC/40 256c	11.33	Schendel <sschend@magnus.acs.ohio-state.edu>
486Dx/40 Cyrix	11.73	Malcolm Bremer <malcolm@strw.LeidenUniv.nl>
486DRx2/40 Cyrix	13.10	Christopher Lau <clau@acs.ucalgary.ca>
486DX/33 Cyrix	13.21	M Haardt <u3lb3hs@informatik.RWTH-Aachen.DE>
486DLC/40 bogoboost	13.21	Harry Pasanen <ps@tekla.fi>
486DLC/40 487 Cyrix	13.21	Ian A. Verschuren <iav@po.CWRU.Edu>
486DCL Cyrix	13.3	Tracer Bullet P.I. <ges@earth.baylor.edu>
486DLC/40	13.31	Adam Frampton <frampton@access2.digex.net>
486DLC/40	13.31	Rick Chow <crc@cacs.usl.edu>
486SLC-S/33	13.51	Brad Pepers <pepersb@cuug.ab.ca>
486DLC/40 no Cxpatch	15.47	Sergei O. Naoumov <serge@envy.astro.unc.edu>
486DLC/40 TI 128c	15.97	Philip K. Roban <phil@seal.micro.umn.edu>
486DLC/40 Cyrix	15.97	L.J. LaBash <labash@lcjones.aclib.siue.edu>
486DRx2/40	15.99	Christopher Lau <lauc@fusion.cuc.ab.ca>
486DX2/66 IBM no-FF	19	NN <coolefa@pmifeg.com>
486SLC2/66 IBM 64c	18.95	Sujat Jamil <sujat@shasta.ee.umn.edu>
486SLC2/66 IBM 128c	18.95	Sujat Jamil <sujat@shasta.ee.umn.edu>
486SLC2/66	19.02	Harry Mangalam <mangalam@uci.edu>
486SLC/50	19.28	Sion Arrowsmith <sion@bast.demon.co.uk>
486BL3/75 IBM 256c	21.40	Anders Stenback <stenback@kuai.se>
486BL3/75 IBM 256c	21.50	Ming S. Chan <ming.chan@canrem.com>
486DX2/66 Cyrix 128c	26.63	Derek Kwan <dkwan@zeus.UWaterloo.ca>
486DX2/66 Cyrix	26.63	Adrian Parker <adrian@willen.demon.co.uk>
486DX2-S/66 256c	26.63	Jean-Marc Wislez <JeanMarc.Wislez@rug.ac.be>
486DX2/66 Cyrix	26.63	Curran W. Fey <fey@biotech.washington.edu>
486BL3/100 IBM 256c	28.36	Anders Stenback <stenback@kuai.se>
486SX-S/33 UMC 0c	20.20	Hynek Med <xmedh02@manes.vse.cz>
486SX-S/40 UMC 0c	26.52	Hynek Med <xmedh02@manes.vse.cz>
486SX-U5/40 UMC 0c	26.63	Dusan Mihajlovic <zdule@herkules.co.yu>

## 3.6 Oddly or faultily configured Pentium systems, or variations

## BogoMips mini-Howto

System	BogoMips	Reporter
Pentium/66	2.18	Bob Myers <root@shyguy.lonestar.org>
Pentium/90 notebook	9.5	Mark Maybee <markm@cs.colorado.edu>
6x86/120 Cyrix	52.32	Joel Boring <dwild@eskimo.com>
Pentium/83 Overdrive	82.85	Brian Smith <smithb@laraby.tiac.net>
Pentium/83 Overdrive	83.32	Scott Francis <mord@netcom.com>
Pentium/83 Overdrive	82.94	G. Spiegelberg <greg@owens.ridgecrest.ca.us>
Pentium/83 Overdrive	83.35	Jacek Polewczak <jacek.polewczak@csun.edu>
6x86/120 P120+overcl	104.86	Howard Poe <falcor@kingsnet.com>
Pentium MMX/266	130.66	<yorkchan@hotmail.com>
Pentium MMX/263 overcl	392.40	John Appleby <jma24@cam.ac.uk>
AMD K6-2/300	399.95	Chris Ebenezer <chriseb@nortelworks.com>
Pentium MMX/231	419.43	Juan Domenech <domenech@mail.seric.es>
Pentium MMX/263 overcl	435.87	Juan Domenech <domenech@mail.seric.es>
SMP4 Pentium Pro/200	700.13	R. Carrico <robert_carrico@themoneystore.com>

## 3.7 Normal Pentium systems

System	BogoMips	Reporter
Pentium/60	23	Chien-An Chen <giant@nwu.edu>
Pentium/60	23.96	Joost Helberg <jhelberg@nlsun8.oracle.nl>
Pentium/60	23.96	Ulf Tietz <ulf@rio70.bln.sni.de>
Pentium/60 Gateway	23.96	Manoj Kasichainula <mvkasich@eos.ncsu.edu>
Pentium/60	23.96	Pierre Frenkiel <frenkiel@cdfap1.in2p3.fr>
Pentium/60	23.96	Tim Oosterbroek <tim@astro.uva.nl>
Pentium/60 NCR 3455	24	Mathias Koerber <mathias@solomon.technet.sg>
Pentium/60	24	Joe Sloan <jjs@engr.ucr.edu>
Pentium/60	24.0	Mark H. Wood <mwood@indyvax.iupui.edu>
Pentium/60	24.13	R.M. van Rijswijk <rijswijk@cs.utwente.nl>
Pentium/66	25	Chuck Munro <chuckm@canada.hp.com>
Pentium/66	26.63	Jason M. Naughton <jnaughto@ee.ryerson.ca>
Pentium/66	26.84	Kelly Carmichael <kcarmich@cln.etc.bc.ca>
Pentium/75 256c	29.5	Chris Dodd <cdodd@super.win.or.jp>
Pentium/75	29.79	Scott M. Grim <sgrim@netwalk.com>
Pentium/75	29.80	Torbjoern Kristoffersen <torbkris@online.no>
Pentium/75	29.95	Steve Martin <smartin@mrg.uswest.com>
Pentium/75	30.22	Zoran Marjanski <bagzor@enterprise.ca>
Pentium/75	30.22	Andrew Buckby <c4abl@dmu.ac.uk>
Pentium/75	30.22	Stuart Nuttall <u9230106@sys.uea.ac.uk>
Pentium/90 notebook	32.73	Rich Neves <neves@cs.colorado.edu>
Pentium/83 overdrive	33.55	JCS <jean-claude.schwartz@contiteves.com>
Pentium/90	34.07	A. Galbraith <ajgalb@postman.essex.ac.uk>
Pentium/90 zappa 256c	35.6	Sebastien Dedieu <dedieu@emi.u-bordeaux.fr>
Pentium/90	35.84	Jason Nunn <jсно@stormfront.com.au>
Pentium/90	35.88	Joe Anderson <CPJJA@ttacs3.ttu.edu>
Pentium/90	35.88	Warwick Allison <warwick@cs.uq.oz.au>
Pentium/90	35.94	Erik Walthinsen <omega@teleport.com>
Pentium/90	36	Joe Sloan <jjs@engr.ucr.edu>
Pentium/90	36	Larry Auton <lda@nfa.research.att.com>
Pentium/90	36	Richard Knipe <knipe@lobby.ti.com>
Pentium/90	36.0	Werner Almesberger <almesber@lrc.epfl.ch>
Pentium/90	36.06	Rob J. Nauta <rob@iaehv.nl>
Pentium/90	36.08	Leung Hon Wa <cshwleun@cs.citu.edu.hk>
Pentium/90 Zeos	36.08	Chris Laurel <claurel@mr.net>
Pentium/90	36.08	Ronald Prague <ronp@fishnet.net>
Pentium/90	36.08	Adrian Blues <adrian@hypereality.co.uk>
Pentium/90	36.08	Pak Yin Tam "Fred" <ptam@eesun1.tamu.edu>
Pentium/90	36.08	Jason Heiss <jheiss@cco.caltech.edu>
Pentium/90	36.08	Tim Krantz <tek@dsinc.com>
Pentium/90 Gateway	36.08	Pete Stewart <stewart@bae.bellcore.com>
Pentium/90	36.08	Tom Manos <tmanos@infi.net>



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Pentium/90	36.08	Richard Mundell <R.Mundell@uea.ac.uk>
Pentium/90	36.08	NN <usenet@uxmail.ust.hk>
Pentium/90	36.08	Yavuz Batmaz <yavuzb@knidos.cc.metu.edu.tr>
Pentium/90	36.08	Alan Skelley <askelley@gpu.srv.ualberta.ca>
Pentium/90	36.08	Ralph Sims <ralphs@locus.halcyon.com>
Pentium/90	36.08	Julian Bradbury <julian@xabcs.demon.co.uk>
Pentium/90	36.08	Dan Langrill <langrilld@mussel.cig.mot.com>
Pentium/90	36.08	Ravi Krishna Swamy <rkswamy@eos.ncsu.edu>
Pentium/90	36.08	J.L. Brothers <brothers@halcyon.com>
Pentium/90 Micronics	36.09	Andrew Brown <andrewbrown@acm.org>
Pentium/90	36.27	Giao H. Phan <giao@concrete.resnet.upenn.edu>
Pentium/90 Plato	36.4	Joe Valenzuela <smarm@ibm.net>
Pentium/90	36.5	Mike Kelleher <mikejk@umfacad.maine.edu>
Pentium/90	36.9	Ted Gaunt <tgaunt@pms701.pms.ford.com>
Pentium/100 overcl	38.39	Stefan Onderka <stefan.underka@metronet.de>
Pentium/100	39.52	Adrian Blues <adrian@hypereality.co.uk>
Pentium/100 overcl	39.73	Phil Howard <phil@clr.com>
Pentium/100	39.73	<Peter.Weiss@informatik.uni-oldenburg.de>
Pentium/100 0c	39.73	Jason Crawford <jasoncl@gramercy.ios.com>
Pentium/100 overcl	39.83	Stefan Onderka <stefan.underka@metronet.de>
Pentium/100	39.93	Tom Miller <tvtom@en.com>
Pentium/100 Cyrix	39.94	Mike Holland <myk@cygnus.uwa.edu.au>
Pentium/100	39.94	KAZ Vorpall <kaz@upx.net>
Pentium/100 overcl	39.94	Donar G.E. Alofs <donar@cs.vu.nl>
Pentium/100	39.94	Larry Snyder <larry@trauma.iag.net>
Pentium/100	39.94	Ian Hill <ian@hecate.phy.queensu.ca>
Pentium/100	39.94	John Crawford <link@spu.edu>
Pentium/100	39.94	Alexandre de Menezes <menezes@peta.com.br>
Pentium/100	39.94	Jered <jered@mit.edu>
Pentium/100 overcl	39.94	Ian <irs2@tweedledum.amp.york.ac.uk>
Pentium/100	39.94	Brian McGhee <brianm@iceonline.com>
Pentium/100	39.94	M Skjelland <morten.skjelland@pvv.unit.no>
Pentium/100	39.96	Dan Kha <dkha@yorku.ca>
Pentium/100	39.98	Phillipe Charon <charron@ecoledoc.ibp.fr>
Pentium/100	40.03	<bon@elektron.ikp.physik.th-darmstadt.de>
Pentium/100	40.08	Ronny Spiegel <rspiegel@htwm.de>
Pentium/100	40.18	David Baldwin <davidb@exis.net>
Pentium/100	40.18	<habibie@catevr.fiu.edu>
Pentium/120 Cyrix	47.8	Simon Ho <simon@epsilon.win-uk.net>
Pentium/120	47.82	Jorge Juan-Chico <jjchico@imse.cnm.es>
Pentium/120 Cyrix	47.92	Joel N. Squire <squire@colorado.edu>
Pentium/120	47.93	Umberto d'Ortona <umberto@grenet.fr>
Pentium/120 Cyrix	47.93	Jim T. Polk <jtpolk@cris.com>
Pentium/120	47.93	Jon Trowbridge <trow@mcs.com>
Pentium/120	47.98	Craig Bates <cbates@psu.edu>
Pentium/120	47.92	Aaron Brick <abrick@dcc.uchile.cl>
Pentium/120 Cyrix	48	Steve <horne@mhd2.pfc.mit.edu>
Pentium/120	48.00	Michael Wazenski <mwazenski@dsrnet.com>
Pentium/120 Intel	48.02	Scott M. Grim <sgrim@netwalk.com>
Pentium/120 Cyrix	48.27	Glenn T. Jayaputera <gjt@budgie.apana.org.au>
Pentium/120	48.27	Roman Mitnitski <mitnits@shany.net>
Pentium/120	48.27	Peter Walsh <pwalsh@rain.org>
Pentium/120 Cyrix	48.2	Viznyuk <sviznyuk@magnus.acs.ohio-state.edu>
Pentium/120	49.27	Simon Hargrave <simon@revell.demon.co.uk>
Pentium/133	53.04	Wayne Roberts <wroberts@aug.com>
Pentium/133	53.04	A.J. Wilson <wilston.austin.aj@bhp.com.au>
Pentium/133	53.04	Gregory Travis <greg@indiana.edu>
Pentium/133 overcl	53.04	A. Kunigelis <algikun@santaka.sc-uni.ktu.lt>
Pentium/133 Intel	53.04	Jimmie Farmer <calvin@malchick.com>
Pentium/133	53.25	Chuck Mattern <cmattern@mindspring.com>
Pentium/133	53.26	Glenn Holt <gholt@lsil.com>
Pentium/133	53.26	Heikki Levanto <heikki@lsd.ping.dk>

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Pentium/133	53.26	Chaim Tarshish <chaim@ipl.med.nyu.edu>
Pentium/133	53.26	Mitchell B. Hamm <hamm@one.net>
Pentium/133	53.26	Donald Lewis <dlewis@jackson.freenet.org>
Pentium/133	53.26	Jon Trowbridge <trow@kremlin.emccta.com>
Pentium/133	53.26	Charny Peete Mitchell <cpmiche@eos.ncsu.edu>
Pentium/133 256c	53.26	David Wuertele <dave@gctech.com>
Pentium/133 256c	53.68	Guiseppa Miceli <ferdy@ccii.unipi.it>
Pentium/133	53.68	Michael Kress <kress@hal.saar.de>
Pentium/150 Intel	59.80	Joel D. Young <jdyoung@afit.af.mil>
Pentium/150	60.01	Joost de Greef <joost@stack.nl>
Pentium/150 overcl	60.21	Duarte Cordeiro <l38404@alfa.ist.utl.pt>
Pentium/166	66.16	Pedro Soria-Rodriguez <sorrod@wpi.edu>
Pentium/166	66.35	K. Visweswaran <kviswesw@lehman.com>
Pentium/166	66.36	T. Endo <enchan@trc.rwcp.or.jp>
Pentium/166	66.44	Donald Lewis <dlewis@jackson.freenet.org>
Pentium/166	66.76	F. Baitinger <baiti@herrenberg.netsurf.de>
Pentium/166	67.10	Jon Trowbridge <trow@mcs.com>
Pentium/166	67.10	Dylan <dylan@ert.com>
Pentium/166 512c	67.10	Dirk Freese <freese@infra.de>
Pentium/188 overcl	74.96	Reijo Pitkanen <reijop@bzln.com>
Centaur C6/200	79.46	James Rotenberry <rotenber@jmr.lasx.com>
Pentium/200	79.66	Piete Brooks <Piete.Brooks@cl.cam.ac.uk>
Pentium/200	79.69	Timm Gleason <timmm@bess.net>
Pentium/200	79.89	Dave S. Baker <dave@acedia.demon.co.uk>
Pentium/200	78.87	Nick D'Apice <ndapice@erols.com>
Pentium/200	80.08	Anders Stenback <stenback@hehe.com>
Pentium/200	80.08	Steve Freeland <sfreel@cs.mcgill.ca>
Pentium/200	81.92	Steve Baur <steve@xemacs.org>
* Pentium/60	119.60	Luis Miguel Bruga <lmburga@ieee.org>
Centaur C6-2/233	154.83	Joe Noble <noble@flashman.com>
* Pentium/100	198.66	Patrick Nichols <pat@humbug.org.au>
* Pentium/166	332.60	Electra Flarefire <bcrowe@optushome.com.au>
* Centaur C6-2/200	398.13	Paolo Cravero <cravero@athena.polito.it>

## 3.8 Normal Pentium variations: Intel

System	BogoMips	Reporter
Pentium MMX/133	265.77	Ron Peters <rpeters@f15fast.al.intel.com>
Pentium MMX/150	307.53	Sami Sihvonen <buggy@fix.no>
Pentium MMX/166 notebk	331.75	n.n. <visionary@aura.title14.com>
Pentium MMX/166	331.78	Rob Janssen <pelchl@amsat.org>
Pentium MMX/166	331.78	Dave Page <dave@vale-housing.co.uk>
Pentium MMX/166	331.78	Matthew C. Sell <amtmc@amsta.leeds.ac.uk>
Pentium MMX/166	333.41	Sjoelie <patrick@sjoel.xs4all.nl>
Pentium MMX/166	333.41	Viet Yen Nguyen <vt@multiweb.nl>
Pentium MMX/166	333.41	Marcin Owsiany <porridge@lo4.ids.bielsko.pl>
Pentium MMX/180	358.81	David Efflandt <efflandt@xnet.com>
Pentium MMX/200	398.13	Andy Saunders <andi@numenor.oucs.ox.ac.uk>
Pentium MMX/200	398.13	A. James Lewis <james@vrtx.net>
Pentium MMX/200	398.13	Sean Horan <sean@psy.ed.asu.edu>
Pentium MMX/200	398.19	Fabio Comolli <comolli@tin.it>
Pentium MMX/200	398.95	Reinhold J. Gerharz <rgerharx@erols.com>
Pentium MMX/200	398.95	Eric Beymer <beymer@soundex.com>
Pentium MMX/200	398.95	Duane Steel <dstele@direct.ca>
Pentium MMX/200	398.95	<ndpilatz@undergrad.math.uwaterloo.ca>
Pentium MMX/200	399.77	Wei-shi Tsai <perdita@dallas.crosswinds.net>
Pentium MMX/200	399.77	Erik Terpstra <erik@solidcode.net>
Pentium MMX/200	400	Rob Jokinen <rjokinen@rt66.com>
Pentium MMX/200	400.59	Paul Black <paul@darwin.demon.co.uk>
Pentium MMX/200	400.59	Juho Cederstrom <cederstrom@kolumbus.fi>
Pentium MMX/200	400.59	Bart <bart@aceonline.com.au>

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Pentium MMX/210	overcl	416.97	John Saunders <john@nlc.net.au>
Pentium MMX/225	overcl	448.92	Ingo Reimann <reimann@uni-muenster.de>
Pentium MMX/225	overcl	448.92	Mattias Hembruch <mghembru@ece.uwaterloo.ca>
Pentium MMX/225	overcl	448.92	Larry Lade <lade@btigate.com>
Pentium MMX/230	overcl	461.85	Rene Stanneveld <edge@huizen.nhkanaal.nl>
Pentium MMX/233		463.67	Rui M.B. Machado <rui@nifdl7.fdl.pt>
Pentium MMX/233		463.67	Rob Janssen <pelchl@amsat.org>
Pentium MMX/233		463.67	Jose Maria Perez Box <jmpbox@etsin.upm.es>
Pentium MMX/233		465.31	Per Andersson <ppan@cntw.com>
Pentium MMX/233		466.94	Eric George <ergeorge@worldnet.att.net>
Pentium MMX/233		466.94	Van Overbruggen <marcel@johannes.iconnect.nl>
Pentium MMX/233		466.94	Erwin Lubbers <erwin@box.nl>
Pentium MMX/250	overcl	498.07	Maarten van Rossum <m@vr.xs4all.nl>
Pentium MMX/266	overcl	525.93	Frank <r2@xs4all.nl>
Pentium MMX/266		532.48	Wade Mealing <root@damage>
Pentium MMX/290	overcl	581.63	Brian <eradicator@home.com>
Pentium Pro/133		132.88	John D. Sundberg <jdsundberg@mmm.com>
Pentium Pro/150		149.50	Rogier Wolff <wolff@bitwizard.nl>
Pentium Pro/180		179.61	Chuck Fee <fee@ch4549.org>
Pentium Pro/200		197.42	Michael Griffith <grif@cs.ucr.edu>
Pentium Pro/200		197.42	Curtis Varner <carner@cs.ucr.edu>
Pentium Pro/200		198.84	Erik Max Francis <max@alcyone.com>
Pentium Pro/200		198.84	Marc Winkler <marcus@healthchex.com>
Pentium Pro/200		199.04	V. Bostrom <Vareck_Bostrom@ccm.jf.intel.com>
Pentium Pro/200		199.06	Justin Clancy <justin@hippos.demon.co.uk>
Pentium Pro/200		199.06	Glenn Lamb <mumford@netcom15.netcom.com>
Pentium Pro/200		199.06	Laszlo Herczeg <las@light-house.com>
Pentium Pro/200		199.07	Stefan <boresch@schuber.u-strasbg.fr>
Pentium Pro/200		199.07	Greg Fausak <lgfausak@august.com>
Pentium Pro/200		199.07	Chris Jones <chris@planetsymphone.com>
Pentium Pro/200		199.07	Matthew S. Crocker <matthew@crocker.com>
Pentium Pro/200		199.95	Reinhold J. Gerharz <rgerharx@erols.com>
Pentium Pro/200		200.32	Gil Megidish <gmegidis@ort.org.il>
Pentium Pro/200		200.32	Jose Navarro <jnavarro@aoc.nrao.edu>
Pentium Pro/200		200.32	<Eric_Zucker@om.hp.com>
Pentium Pro/200		200.32	Wayne Scott <wscott@ichips.intel.com>
Pentium Pro/200		200.32	Adrian L. Hosey <ahosey@cs.indiana.edu>
Pentium Pro/233	overcl	234.43	S. Curtarolo <auro@spiro.fisica.unipd.it>
Pentium Pro/400		397.31	Lamarque Vieira Souza <lamarque@dcc.ufmg.br>
Pentium II/233		232.65	Jan Houtsma <jan@houtsma.net>
Pentium II/233		233.47	Torbjoern Kristoffersen <torbkris@online.no>
Pentium II/233		233.47	Sorin Mitran <mitran@irs.fzk.de>
Pentium II/266		265.42	Jon Trowbridge <trow@kremlin.emccta.com>
Pentium II/266		265.42	A. Hochwimmer <a.hochwimmer@auckland.ac.nz>
Pentium II/266		265.42	Matt Garman <garman@ews.uiuc.edu>
Pentium II/266		265.42	Robert Woodwort <woodwort@utmc.utc.com>
Pentium II/266		265.44	Nick Ullman <nick@avenza.com>
Pentium II/266		266.24	Pieter Eendebak <p.t.eendebak@phys.uu.nl>
Pentium II/266		266.24	John Calison <jcalison@mindspring.com>
Pentium II/266		267.06	James McKinnon <jmack@phys.ualberta.ca>
Pentium II/266		267.06	Greg <gl2hughes@undergrad.math.uwaterloo.ca>
Pentium II/266		267.06	Pros Robaer <pros@innet.be>
Pentium II/266		272.79	Frank Hale <frankhale@worldnet.att.net>
Pentium II/300	overcl	299.01	Martin Lathoud <nytral@endirect.qc.ca>
Pentium II/300		299.83	Andy Busch <buschap@acs.wooster.edu>
Pentium II/333		332.60	Eric Games <frequenc@laf.cioe.com>
Pentium II/350		347.34	NN <silkythreads@home.com>
Pentium II/350		349.80	Rizzoli <rizzoli@planet.it>
Pentium II/350		349.80	Jeff Bishop <jbish@airmail.net>
Pentium II/400		396.49	Abhijit Menon-Sen <ams@wiw.org>

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Pentium II/400	396.49	Sven Skrivervik <sven.skrivervik@eunet.no>
Pentium II/400	398.13	Floris Martens <fmartens@bigfoot.com>
Pentium II/420 overcl	416.15	Rafal <rafamiga@uucp.polbox.pl>
Pentium II/448 overcl	447.28	Mathieu Bois <mathieu.bois@nomura.co.uk>
Pentium II/450	447.28	Mathieu Bois <mathieu.bois@nomura.co.uk>
Pentium II/450	447.28	Stuart Nuttall <stu@etcs.demon.co.uk>
Pentium II/450	447.28	Richard R. Urena <urena@wilde.oit.umass.edu>
Pentium II/450	447.28	Brantley Jones <bjones@cte.net>
Pentium II/450	447.28	Esmail Bonakdarian <esmail@uiowa.edu>
Pentium II/466	462.03	Bjorn Lindgren <bjorn@chiba.cx>
Pentium II/504 overcl	502.99	David Hand <dhand@best.com>
Pentium II/515	514.46	NN <luckydaze@netzero.net>
* Pentium II/272	542.31	Ton <ton@somedomain.com>
* Pentium II/350	699.60	Teun Warnaar <tat@dds.nl>
* Pentium II/350	699.50	Jan <jan-bruchsal@gmx.net>
* Pentium II/400	794.62	Mark Dickie <mark@dickie29.freemove.co.uk>
Celeron/300	299.83	Abhijit Menon-Sen <ams@wiw.org>
Celeron/300	299.97	Helmut <helmut@cancon.com>
Celeron/300	307.20	Richard M. Sugg <richardsugg@earthlink.net>
Celeron/333	332.6	Florian <florian@egon-bbs.n-a-m.de>
Celeron/333	330.96	Douglas E Harmon <genius91@gate.net>
Celeron/366	367.00	Raul Belisario <storm@gold.com.br>
Celeron/400	398.13	Polaris <polaris_c@my-deja.com>
Celeron/466 overcl	462.03	Tim Moore <timothymoore@bigfoot.com>
Celeron/500	499.71	Bruce H <xxx@att.net>
* Celeron/433	868.35	Abhik Sarkar <asarkar@optoconnect.net.in>
* Celeron/500	999.42	Pekka Tiitanen <peti@kauha.kauhajoki.fi>
* Celeron/533	1064.96	F. Alfaro <al528580@mail.mty.itesm.mx>
Pentium III/450	450.56	Rogier Spieker <rogier@metallica.com>
Pentium III/500	496.44	Cesar Bravo <cesar.bravo@compaq.com>
Pentium III/500	498.00	Rajko Wehrhahn <seymour@link-c.cl.sub.de>
Pentium III/500	499.71	Morris Walton <mccw@ipass.net>
Pentium III/550	547.23	Art <aeolian@yahoo.com>
Pentium III/550	548.86	Chris <chiuhing@hotmail.com>
Pentium III/550	548.86	Evan L. Carew <ecarew@emagtechnologies.com>
Pentium III/600	598.02	Elaine Wenderholm <wender@cs.oswego.edu>
Pentium III/600	599.65	Donna Williams <silkythreads@home.com>
Pentium III/600	599.65	Steve Cousins <cousins@umit.maine.ude>
Pentium III/733	733.73	Ryan Snodgrass <ryan_snodgrass@my-deja.com>
Pentium III/733	734.00	Steve Cousins <cousins@umit.maine.ude>
Pentium III/750	747.11	Yong <yonliu@my-deja.com>
* Pentium III/450	901.12	Darrick Wong <DarrickWong@mindspring.com>
* Pentium III/500	999.42	Shawn D. MacIntyre <sdml560@hotmail.com>
* Pentium III/500	999.75	Darrick Wong <DarrickWong@mindspring.com>
* Pentium III/550	1094.45	Benedicto Junior <benjr@elo.com.br>
* Pentium III/550	1101.50	Julius Wijaya <jwijaya@gmx.co.uk>
* Pentium III/560	1117.39	Jurriaan <thunder@xs2all.nl>
* Pentium III/600	1192.76	Taco IJsselmuiden <taco@wep.tudelft.nl>
* Pentium III/600	1192.76	Alex Jenner <alexj@ihug.co.nz>
* Pentium III/700	1399.19	Vipul Mathur <vipul@linux-delhi.org>
* Pentium III/700	1399.19	Chris Raters <craters@toasty.com>
* Pentium III/700	1441.79	<a.giachino@ekkin.com>
* Pentium III/730	1461.45	Timm Murray <admin@madtimes.com>
* Pentium III/800	1592.52	Slawomir Axzkowski <slawek@talex.com.pl>
* Pentium III/800	1592.52	Simon Horn <dinoming@hotmail.com>
* Pentium III/866	1723.60	Rob Farrell <rpf@speakeasy.net>

### 3.9 Normal Pentium variations: Cyrix, AMD

System	BogoMips	Reporter
Cyrix 5x86/100	100.16	NN <root@anxa04.cc.ic.ac.uk>
Cyrix 5x86/100	100.19	Valient Gough <vgough@teton.mines.edu>
Cyrix 5x86/100	100.47	C.Chan <chan@alfrothul.uchicago.edu>
Cyrix 5x86/120 P150+	119.60	Wynstan Tong <wynstan@eecg.toronto.ca>
Cyrix 5x86/120 P150+	119.60	Joel N. Squire <squire@colorado.edu>
Cyrix 5x86/120 P150+	119.83	Leland Olds <olds@eskimo.com>
Cyrix 5x86/120 P150+	119.83	NN <root@anxa04.cc.ic.ac.uk>
Cyrix 5x86/120 P150+	120.68	C.Chan <chan@alfrothul.uchicago.edu>
Cyrix 5x86/120 P150+	122.01	Andre Coetzee <acoetzee@ctcc.gov.za>
Cyrix 6x86/100	99.42	Stig M. Valstad <svalstad@sn.no>
Cyrix 6x86/110 P133+	109.77	Matthew Flint <matthew@philtrum.demon.co.uk>
Cyrix 6x86/110 P133+	109.77	John Merriam <suprnaut@esslink.com>
Cyrix 6x86/110 P133+	109.77	Keith Smith <keith@ksmith.com>
Cyrix 6x86/110 P133+	111.82	Lew Pitcher <lpitcher@yesic.com>
Cyrix 6x86/120 P150+	119	Jean-Claude Gouiran <jcgl3@ibm.net>
Cyrix 6x86/120 P150+	119.60	Taso Lyristis <taso@remus.rutgers.edu>
Cyrix 6x86/120 P150+	119.60	Hrvoje Stipetic <stipe@zemris.fer.hr>
Cyrix 6x86/120	119.60	Yakko J. Warner <yakko@wtower.com>
Cyrix 6x86/120 P150+	119.60	B. James Philippe <bryan@terran.org>
Cyrix 6x86/120 P150+	119.83	Roger Merchberger <zmerch@northernway.net>
Cyrix 6x86/120	119.83	Daniel Wold <danw@panix.com>
Cyrix 6x86/120	120	John C. Beasley <beasleyj@nevada.edu>
Cyrix 6x86/120 P150+	120.01	Jay Thorne <jay@result.com>
Cyrix 6x86/120 P150+	120.01	Jeawan Kim <jaewan@harc.edu>
Cyrix 6x86/120 P150+	120.91	Cymen <cymen@ziplink.net>
Cyrix 6x86/133 undercl	132.30	Maurice Janssen <mauricej@xs4all.nl>
Cyrix 6x86/133 P166+	132.71	Holger Kemper <hok@balu.ping.de>
Cyrix 6x86/133 P166+	132.71	Hrvoje Stipetic <stipe@zemris.fer.hr>
Cyrix 6x86/133 P166+	132.82	Alex Liffers <aliffers@tartarus.uwa.edu.au>
Cyrix 6x86/133 P166+	132.82	Brian C. Theobald <theobald@nortel.ca>
Cyrix 6x86/133 P166+	132.88	Alvaro Lopes <alvieboy@utad.pt>
Cyrix 6x86/133 P166+	132.88	Craig Andersen <andersen@fastlane.net>
Cyrix 6x86/133 P166+	133.73	C. Drews <drews_c@informatik.fh-hamburg.de>
Cyrix 6x86/133 P166+	133.12	Daniel Gritter <dgritt47@calvin.edu>
Cyrix 6x86/150 P200+	149.50	Evan L. Schemm <elschemm@mtu.edu>
Cyrix 6x86/150 P200+	149.50	Steven Rainwater <srainwater@ncc.com>
Cyrix 6x86/150 P200+	149.91	Sid Boyce <szb50@amdahl.com>
Cyrix 6x86/150 P200+	149.91	Eric Haas <haas@andrew.cmu.edu>
IBM 6x86/150 P200	149.96	M.D. Guardia <mikedg@ghostbbs.pandora.it>
Cyrix 6x86MX/166 A-Step	16.89	F. Friedman-Romell <ak398@safr.org>
Cyrix 6x86MX/166 A-Step	166.71	David Anderson <rovaughn@infoave.net>
Cyrix 6x86MX/188 P233	186.78	Dominic Baines <rdab100@hermes.cam.ac.uk>
Cyrix 6x86MX/188 P233	187.19	Dominic Baines <rdab100@hermes.cam.ac.uk>
Cyrix 6x86/225	223.28	Dean Mills <deanmills@home.com>
Cyrix 6x86MII/233 P300	233.47	Russell Marks <rus@forfree.at>
Cyrix 6x86MII/233 P300	233.47	S. Fuller <stu@c49395-a.wodhvn1.mi.home.com>
Cyrix 6x86MX/300 overcl	280	Terry Porter <tjporter@odyssey.apana.org.au>
AMD K5/75	149.91	Simon Karpen <slk@linux-shell.net>
AMD K5/90	179.40	<root@krabi.mbp.ee>
AMD K5/90	179.40	Ken Edwards <edwards@thor.xon.cuug.ab.ca>
AMD K5/90	179.40	Marcin Owsiany <porridge@lo4.ids.bielsko.pl>
AMD K5/90	179.81	Marcin Owsiany <porridge@lo4.ids.bielsko.pl>
AMD K5/90	180.22	Hector DC Gonzalez <turbo@linux.lsl.com.mx>
AMD K5/90	181.00	Drew Golden <golden@platinum.nb.net>
AMD K5/100 PR133	198.66	Trond Solem <trond.solem@homemail.com>
AMD K5/100 PR133	199.07	Henri Jamgotchian <hjamgot@planete.net>

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AMD K5/100 PR133	199.48	Dark Mind <root@dmh.ml.org>
AMD K5/100 PR133	199.88	J. Grassel <grassel@heart.cas.und.nodak.edu>
AMD K5/100 PR133	199.88	Berend Reitsma <berend@united-info.com>
AMD K5/100 PR133	200.29	Tilman Sommer <sommer@vsun02.ag01.kodak.com>
AMD K5/100 PR133	200.32	Carlo Politi <cpoliti@mare.gol.grosseto.it>
AMD K5/100 PR133	199.07	Franco De Angelis <fda@ied.unipr.it>
AMD K5/100 PR133	199.07	HaJo Simons <hajo@frodo.com>
AMD K5/116 PR166	233.47	Hans-Joachim Baader <hans@grumber.ika.de>
AMD K5/116 PR166	233.47	Sean Kelly <s.kelly@newcastle.ac.uk>
AMD K5/120 PR133 overcl	239.21	Chris Harshman <harshman@paradigm.uor.edu>
AMD K6-2/150 undercl	299.83	Alex Montaron <canal@multimania.com>
AMD K6/166	332.60	David Parsons <orc@pell.chi.il.us>
AMD K6/166	331	Bill Petersen <brp@cuberramp.net>
AMD K6/200	398.13	Milton <nyceyes@nyceyes.com>
AMD K6/200	398.85	n.n. <uh886@freenet.victoria.bc.ca>
AMD K6/200	398.89	Ian Hanschen <hanschen@uwyo.edu>
AMD K6/200	398.98	Philip Lijnzaad <lijnzaad@columba.ebi.ac.uk>
AMD K6/200	399.77	Murtaza Amiji <murti@wpi.edu>
AMD K6/200	399.78	Dan Hetzel <dan@icor.fr>
AMD K6/200	400.58	Paco Culebras Amigo <paco@hades.udg.es>
AMD K6/200	400.59	Sverre H. Huseby <s.h.huseby@usit.uio.no>
AMD K6/200	400.59	Steve Conley <sconley@muck.leonine.com>
AMD K6/200	400.59	Mark Lehrer <edge@dux.raex.com>
AMD K6/200	400.59	Chris Esser <ksqueak@erols.com>
AMD K6/200	400.59	Federico Pellegrin <fedetriangolo.it>
AMD K6/200	400.59	Howard Poe <falcor@kingsnet.com>
AMD K6/200	400.64	Fabrizio Santini <sanfff@tin.it>
AMD K6/208 overcl	416.15	Jani Halme <jaadha@utu.fi>
AMD K6/208 overcl	416.15	Donnie Savage <dsavage@cris.com>
AMD K6/208	417.97	J.F. Ursetto <ursetto@uiuc.edu>
AMD K6/225	440	n.n. <uh886@freenet.victoria.bc.ca>
AMD K6/225 overcl	448.92	Paco Culebras Amigo <paco@hades.udg.es>
AMD K6/225 undercl	448.92	Henrik Storner <storner@image.dk>
AMD K6/225 overcl	450.56	M. Cramer <mccramer@stuttgart.netscape.de>
AMD K6/233	463.67	Aduanne Carter <drow@blazenet.net>
AMD K6/233	465.31	Michael Haardt <haardt@gmd.de>
AMD K6/233	466.5	R. Garcia <rgarcia@att.net>
AMD K6/233 overcl	466.84	Francesco <root@fly.cnuce.cnr.it>
AMD K6/233 overcl	466.94	Paco Culebras Amigo <paco@hades.udg.es>
AMD K6/233	466.94	Howard Poe <hpoe@nyx.net>
AMD K6/233	466.94	Andreas Haumer <andreas@xss.co.at>
AMD K6/233	466.94	Damien Castelltort <eznerald@mail.mnet.fr>
AMD K6/233	466.94	G. Cantallops Ramis <gcantallops@jet.se>
AMD K6/233	466.94	Juergen Hammelmann <juergen@neptun.stgt.de>
AMD K6/233	466.94	<cseyboldt@my-deja.com>
AMD K6/233	466.94	Chris Gushue <seymour@iname.com>
AMD K6/233	466.94	Maheswara <maheswara@freeuk.com>
AMD K6/239	478.41	Torbjoern Kristoffersen <torbkris@online.no>
AMD K6/239	478.41	Mark Neill <btech@styx.phy.vanderbilt.edu>
AMD K6/239	478.41	Louis van Domselaar <etaoin@xs4all.nl>
AMD K6/266	532.48	Holly Sommer <sommer@mugs.net>
AMD K6/266	534.12	Andreas Czerniak <cognac@toppoint.de>
AMD K6-2/300	598.02	Pasa Guglielmo <gpasa@omedia.ch>
AMD K6-2/300 3D overcl	598.02	Jozsef <formater@eunet.yu>
AMD K6-2/300	599.65	Ivo Plana <ipv@tinet.fut.es>
AMD K6-2/300	599.65	Juan Domenech <domenech@mail.seric.es>
AMD K6-2/300	599.65	Scrambo <pinche@my-deja.com>
AMD K6-2/300	599.65	Ashley Penney <ashp@bastard.co.uk>
AMD K6-2/300	599.65	Rob <im@home.com>
AMD K6-2/300	599.65	Stephen Jenuth <jenuths@homacjen.ab.ca>
AMD K6-2/308	614.40	Erv Walter <walter@chem.wisc.edu>

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AMD K6-2/333	663.55	<kuhn@ernie.lpr.e-technik.tu-muenchen.de>
AMD K6-2/333	663.55	Sebastian <sebastian882@my-deja.com>
AMD K6-2/333	665.19	A. Bihlmaier <stormtank@gmx.net>
AMD K6-2/338 overcl	675.02	Nicola Fabiano <mx8644@mclink.it>
AMD K6-2/350	699.60	Juan Domenech <domenech@mail.seric.es>
AMD K6-2/350 3D	699.60	Mirko Schur <mschur@t-online.de>
AMD K6-2/350	699.60	Craig <craig@pop.uky.edu>
AMD K6-2/350 3D	699.60	D. Breuer <dirk.breuer@post.rwth-aachen.de>
AMD K6-2/366	732.36	Risto A. Paju <rp241@cam.ac.uk>
AMD K6-2/366	734.00	Alex Montaron <canal@multimania.com>
AMD K6-2/366 3D overcl	734.00	Enrico Oreglia <oreglia@ibm.net>
AMD K6-2/400 overcl	799.54	Ivo Plana <ipv@tinet.fut.es>
AMD K6-2/400 overcl	799.54	Alex Montaron <canal@multimania.com>
AMD K6-2/400 3D	799.54	Rajko Wehrhahn <seymour@link-c.cl.sub.de>
AMD K6-2/400	799.54	Silvio Nordio <nordio@unive.it>
AMD K6-2/400	799.54	Chris <cpr@intergate.bc.ca>
AMD K6-2/400 3D	799.54	Hamid Misnan <hamidmisnan@ieee.org>
AMD K6-2/400 3D	799.54	James Birchfield <jsbirch@home.com>
AMD K6-2/400	799.54	Matt Graham <mhgraham@fleabag.nullhouse.org>
AMD K6-2/400 overcl	801.18	Phillip Deackes <gsmh@gmx.net>
AMD K6-2/400 overcl	801.18	Jon Riekenberg <jrr8208@ksu.edu>
AMD K6-2/400 overcl	801.18	Ryan Bethke <immortal26@prodigy.net>
AMD K6-2/400	801.18	Wolfgang Zekoll <wzk@uml.pce.de>
AMD K6-2/400	801.18	Ignacio Valdes <ivaldes@csi.com>
AMD K6-2/400	801.18	Ted E. Suter <nexion@home.com>
AMD K6-2/400	801.18	Warren B. Hapke <wbhapke@prairienet.org>
AMD K6-2/400	801.29	Birko Bergt <birko.bergt@cdc.com>
AMD K6-2/400 overcl	801.5	Juan Domenech <domenech@tarraco.seric.es>
AMD K6-2/400	808.7	Bob <rebry@atomicssys.com>
AMD K6-III/417 overcl	833.95	Chris Priest <chris@idol.demon.co.uk>
AMD K6-2/440	878.18	Steve Bourland <sbourlan@ecn.purdue.edu>
AMD K6-III/450	897.84	Craig <craig@pop.uky.edu>
AMD K6-2/450 overcl	901.12	Ted E. Suter <nexion@home.com>
AMD K6-2/450 overcl	901.12	Juan Domenech <domenech@tarraco.seric.es>
AMD K6-2/450	901.12	John Jaeger <john@jjgb.com>
AMD K6-2/450	901.12	Piet Ekkebus <piet_e@zeelandnet.nl>
AMD K6-2/453	902.30	Birko Bergt <birko.bergt@cdc.com>
AMD K6-2/455 3D overcl	914.23	Graham Reed <grwr@ssm.ca>
AMD K6-2/475 laptop	943.72	Chris Matthews <chris@mascc.ca>
AMD K6-2/475 overcl	950.27	Willow <el-baul@ole.com>
AMD K6-2/475	950.27	Craig <craig@pop.uky.edu>
AMD K6-2/500	999.42	Jon Berlin <jberlin@worldbank.org>
AMD K6-2/500 3D	999.42	Laurent <blackm@pop.multimania.com>
AMD K6-2/500	999.42	Robert <robert@mrcomputers.net>
AMD K6-2/500	999.42	Craig <craig@pop.uky.edu>
AMD K6-2/550 3D	1101.00	Jon Berlin <jberlin@worldbank.org>
AMD K6-2/550	1101.00	James Yang <jamesy@no-email>
AMD K6-2 550	1101.00	Hugh Wilson <hugh.e.wilson@gm.com>
AMD Duron/600	1205.86	Chad Daelhousen <loonxtall@hotmail.com>
AMD Duron/650	1294.34	Levi Ramsey <lramsey@student.umass.edu>
AMD Duron/700	1395.92	N. Fabiano <nicola.fabiano@pg.infn.it>
AMD Duron/700	1399.19	Stuart Trusty <stuart@linuxlabs.com>
AMD K7/500	498.07	Ludwig <cludwig@informatik.uni-tuebingen.de>
AMD K7/550	548.86	Kieffer <Jerome.KIEFFER@crans.ens-cachan.fr>
AMD Athlon/600	598.02	C. Heiming <heiming@informatik.uni-kl.de>
AMD Athlon/600	598.02	Ted Michael <obliv10n@netscape.net>
AMD Athlon/600	602.93	Chris Wren <wChris@ubginc.com>
AMD K7/655	652.08	Mark Steele <msteele@belent.com>
AMD Athlon/750	747.11	A Galinovic <andro.galinovic@public.srce.hr>
AMD K7/750	748.75	Manuel Moran Vaquero <mmv@geocities.com>

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AMD Athlon/755	752.03	Mark Steele <msteele@belent.com>
* AMD Athlon/500	996.51	Taco IJsselmuiden <taco@wep.tudelft.nl>
* AMD K7/700	1196.03	N. Dimpfl <norbert.dimpfl@primusnetz.de>
* AMD Athlon/600	1198.04	Carsten <heiming@informatik.uni-kl.de>
* AMD Athlon/600	1205.86	Stefan Schroepfer <scr@iis.fhg.de>
* AMD Athlon/630	1258.29	Nanagiotis Papadakos <papadako@csd.uoc.gr>
* AMD K7 Athlon/650	1294.34	Robbe Bihlmeyer <robbe@orcus.priv.at>
* AMD K7/650	1297.61	Travis Brown <tfb999@yahoo.com>
* AMD Athlon/700	1387.51	Bradley Lawrence <cecil@niagara.com>
* AMD Athlon/700	1395.92	Joop Stakenborg <aba@casema.net>
* AMD Athlon/700	1395.92	Martin Kamin <kamin@atlas.cz>
* AMD Athlon/700	1412.30	Ulf Bartelt <ult@twc.de>
) AMD Athlon/750	1494.22	A Galinovic <thehack@fly.srk.fer.hr>
* AMD K7/750	1500.30	W Canaday <rgabill@ameritech.net>
* AMD Athlon/800	1605.63	Robert A. Morris <ramorris@yifan.net>
* AMD Athlon/1100	2182.35	Stuart Trusty <stuart@linuxlabs.com>

## 3.10 Normal Alpha systems

System	BogoMips	Reporter
21064/150 Jensen	147.85	Stefano <terraneo@my-deja.com>
21064/150 Jensen	148.37	Linus Torvalds <torvalds@cc.helsinki.fi>
21064/150 Jensen	149.49	J.L. Brothers <brothers@halcyon.com>
21064/150 Jensen	148.89	Martin Osterman <ost@comnets.rwth-aachen.de>
21064A/233 AS225 Avanti	228.58	Roberto Giungato <r.giungato@computer.org>
21064A/233 Avanti	230.16	Rich Griswold <rgriswold@us.ibm.com>
21064A/275 Cabriolet	271.58	Michal Jaegermann <michal@phys.ualberta.ca>
21064A/275 Cabriolet	272	Linus Torvalds <torvalds@cc.helsinki.fi>
21064A/275	272	Stephen Gaudet <sjg@tiac.net>
21064A/275 Cabriolet	272.63	Jay Estabrook <jestabro@amt.tay1.dec.com>
21064A/275 Cabriolet	273.37	David Mosberger-Tang <davidm@cs.arizona.edu>
21064A/275	274.11	Kevin Jacobs <jacobs@eek.cwru.edu>
21064A/300 Cabriolet	298	Jay Estabrook <jestabro@amt.tay1.dec.com>
21064A/300	298	Stephen Gaudet <sjg@tiac.net>
21066/166	162.53	Phil Bostley <pbostley@qualcomm.com>
21066/166	163.05	Matthew Jacob <mjacob@feral.com>
21066/166	163.05	Jon Spreha <jxs557@psu.edu>
21066/166	164.59	David Mosberger-Tang <davidm@cs.arizona.edu>
21066/166 Multia	164.63	Rudolf Gabler <rug@usm.uni-muenchen.de>
21066/166	165	Gareth Bult <gareth@fttech.net>
21066/166	165.04	Craig Ruff <cruff@ncar.ucar.edu>
21066/200	196.9	Danny ter Haar <danny@cistron.nl>
21066/200 UDB overcl	198	Kari Davidsson <d154402@cs.tut.fi>
21066A/233 UDB	229.63	Toon van der Pas <toon@vdpas.hobby.nl>
21066A/233 AS400	230.16	Ophir Ronen <ophir@connectsoft.com>
21066A/233 AS200 Avanti	230.16	B. James Phillippe <bryan@terran.org>
21066A/233 NoName	230.67	T. Bogendoerfer <tsbogend@bigbug.franken.de>
21066A/233 UDB	230.68	Ted Schipper <ted@tedux.hobby.nl>
21066A/233 NoName	230.76	Mikael Nykvist <viper@ludd.luth.se>
21066A/233 UDB	231.21	Eric Smith <eric@goonsquad.spies.com>
21066A/233 NoName	231.21	Jay Estabrook <jestabro@amt.tay1.dec.com>
21066A/266 NoName ov.cl	261.62	Andreas Johansson <ajo@ludd.luth.se>
21066A/266 UDB overcl	261.62	Michael Brennen <mbrennen@fni.net>
21066A/266 NoName ov.cl	262.14	Wim van Dorst <baron@clifton.hobby.nl>
21066A/266 Multia	264	Joshua Grubman <joshg@dn.net>
21066A/284 NoName ov.cl	281.0	<imakino@gloria.cord.edu>
21066A/297 NoName ov.cl	293.6	<imakino@gloria.cord.edu>
21066A/300 UDB ov.cl	294.65	Topi Kanerva <tkanerva@nks.oulu.fi>



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21164/266 EB164	265.29	Jay Estabrook <jestabro@amt.tay1.dec.com>
21164/300 EB164	297.79	Hilarius <maurice@ellpspace.math.ualberta.ca>
21164/300 XLT Alcor	297.79	Dave Wreski <dave@nic.com>
21164/300 AS1000	297.79	Salvador Pinto Abreu <spa@sc.uevora.pt>
21164/333 Alcor	331.35	Linus Torvalds <torvalds@cs.helsinki.fi>
21164/333 Alcor	331.35	David Mosberger-Tang <davidm@azstarnet.com>
21164/366 XLT Alcor	362.80	Paul Slootman <paul@wurtel.demon.nl>
21164/366 PC164 Durango	363.85	Geerten Kuiper <geerten@bart.nl>
21164/400 Noritake	397.41	Alan Fay <alanfay@webcode.co.uk>
21164/433 PC164	429.89	Paul D. Robertson <proberts@clark.net>
21164/433 PC164	429.91	Bernd Meyer <bmeyer@cs.monash.edu.au>
21164/433 Maita	429.91	Bill Broadley <bill@math.ucdavis.edu>
21164/433 PC164	430.96	<rainer.landes@physik.uni-karlsruhe.de>
21164/433 EB164	430.96	<Metod.Kozelj@rzs-hm.si>
21164/433 PC164	430.96	H. Sumargo <habibie@robotic.eng.fiu.edu>
21164/433 PC164	431.94	Timm Gleason <timmm@bess.com>
21164/466 PC164	464.51	Daryll Strauss <daryll@d2.com>
21164/500	497	Alex Butcher <alex@asimov.annex.co.uk>
21164/500 PC164	497.02	C.J. Grayce <cgrayce@wasatch.ps.uci.edu>
21164/500	497.05	Heiner Kruener <hk@martian.ping.de>
21164/250 Sable	497.02	Tom Greene <cowgod@idt.net>
21164/500 AS500	497.03	Jim Nance <jlnance@avantiacorp.com>
21164/500 P7	497.03	Jan guldentops <jacko@ba.be>
21164/500 EB164 Durango	497.43	Kevin Jacobs <jacobs@eek.cwru.edu>
21164A/500 PWS	497.02	Robert Harley <robert.harley@inria.fr>
21164A/500 PC164	497.02	Stephen Oberski <sfo@deterministic.com>
21164A/533 PC164LX	529.53	Dumb Kid <dumbkid@hotmail.com>
21164A/533 PC164LX	529.53	Harvey J. Stein <hjstein@bfr.co.il>
21164PC/533 PC164SX	529.53	Danny ter Haar <dth@cistron.nl>
21164PC/533 PC164SX	529.53	Shane Sturrock <sss@holyrood.ed.ac.uk>
21164PC/533 PC164SX	529.53	Wim van Dorst <baron@clifton.hobby.nl>
21164A/533 Ruffian	530.57	Andreas Czerniak <cognac@toppoint.de>
21164A/533 PC164LX	530.57	Ronny Ranerup <ronny@axis.com>
21164A/533 PC164LX	530.57	Bill Broadley <bill@math.ucdavis.edu>
21164A/600 PC164LX	595.59	L.F. Donaldson <dona1dlf@cs.rose-hulman.edu>
21164A/600 PC164LX	595.59	<stepan@wesley.informatik.uni-freiburg.de>
21164A/600 PC164	597.60	Fabrizio Santini <sanfff@tin.it>
21164A/666 PC164LX	662.70	<stepan@wesley.informatik.uni-freiburg.de>
21264/400 Pass-1	794.82	Jay Estabrook <jay.estabrook@digital.com>
21264/466 DS10	920.64	Paul Novarese <novarese@alf.dec.com>
21264/500 XP1000	996	Wes Bauske <wsb@paralleldata.com>
21264/500	996.14	Lionel Tricon <lionel.tricon@digital.com>
21264/500 DS20	996.14	Paul Novarese <novarese@alf.dec.com>
21264/500 DS20	996.15	Wayne Hall <wayne@uga.edu>
21264/500 XP1000	996.40	P. Caulfield <patrick@balti.london.sco.com>
21264/667 XP1000	1329.59	Lionel Tricon <Lionel.Tricon@compaq.com>
21264DP/666 Tsunami	1329.59	Jens Hoefkens <hoefkens@msu.edu>
21264/730 Wildfire	1488.97	Lionel Tricon <Lionel.Tricon@compaq.com>

## 3.11 Normal Motorola systems

System	BogoMips	Reporter
68030/14.7 LCII nofpu	3.69	Ruda Moura <ruda@conectiva.com.br>
68030/16 Atari Falcon	3.90	Jay T. Millar <jmillar@eaglequest.com>
68030/16 Atari Falcon	3.90	Bruno Aubin <baubin@lemel.fr>
68030/16 Atari Falcon	3.95	J.L. Brothers <brothers@halcyon.com>
68030/16 Atari Falcon	3.98	<Roman.Hodek@informatik.uni-erlangen.de>
68EC030/20 Cisco 2500	4.33	<koen.devleeschauwer@lid.kviv.be>

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68030/20 MacII Si	4.88	Bill Maloy <maloy@goldinc.com>
68030/20 0c	4.92	Chris Nadigh <chnadig@iic.ethz.ch>
68030 Amiga 3000	6.08	Andy Wick <awick@vt.edu>
68030/30 Amiga 4000	6.09	Karsten Merker <km@golf.dinet.com>
68030/25 Amiga 3000	6.12	Glen Hewlett <hewlett@planeteeer.com>
68030/25 Amiga 3000	6.21	Hamish Macdonald <hamish@bnr.ca>
68030/25 Amiga 3000	6.21	J.L. Brothers <brothers@halcyon.com>
68030/32 Atari Falcon	7.91	Franz Korntner <fkorntne@basis.nl>
68030 Atari TT	7.96	<schwab@issan.informatik.uni-dortmund.de>
68030/32 Atari MegaST	7.98	E.J. van den Bussche <busscheh@ksepl.nl>
68030/33 Atari TT	7.98	<Roman.Hodek@informatik.uni-erlangen.de>
68030 Atari TT	7.98	Wayne Booth <trek@ihgpl14r.ih.att.com>
68030/60	8.06	Korey Budgen <kbudgen@st.nepean.uws.edu.au>
68030/33 Amiga 2000	8.14	W. Haidinger <e9225662@stud1.tuwien.ac.at>
68EC030/40 Cisco 4000	8.75	<koen.devleeschauwer@lid.kviv.be>
68030/48 32c	11.89	Martin Rogge <Martin_Rogge@ki.maus.de>
68030/50 Atari	12	<Roman.Hodek@informatik.uni-erlangen.de>
68030/50 Amiga 1200	12.36	Chris Sumner <chris@ganymede.sonnet.co.uk>
68030/50 Amiga 1200	12.4	Richard Jerome <etlrdje@tigger.ericsson.se>
68030/50 32c	12.42	Michael Plonus <michi@pluto.ping.de>
68030/50 Amiga 1200	12.33	Detrix <detrix@popd.ix.netcom.com>
68030/50 Amiga 1200	12.36	E.J.M. Brocklesby <ejb@klamath.demon.co.uk>
68040/24 Amiga 4000	16.59	Bjarne Wichmann Petersen <mekanix@nospam.dk>
68040/24 Amiga 4000-40	16.6	Hamish Macdonald <hamish@bnr.ca>
68040/24 Amiga 4000-20	16.60	J.L. Brothers <brothers@halcyon.com>
68040/25 Amiga 4000-040	16.61	<Geert.Uytterhoeven@cs.ku-leuven.ac.be>
68040/25 Amiga 4000	16.61	Lawrence <lawrenc@nextwork.rose-hulmand.edu>
68040/60 Amiga 4000-40	18.99	Darren Enns <dmenns@surf.pangea.ca>
68040/28 Mac Quadra650	18.99	Warren James <wjamesl@my-deja.com>
68040/32 Medusa T40	21.25	<Hartmut.Koptein@et-inf.fho-emden.de>
68040 Amiga 2000	21.86	Ron Flory <rjflory@feist.com>
68040 Mac Quadra650	22.17	Ingvar Hagelund <ingvar@unik.no>
68040/40 Amiga 1200	26.52	Gavin Kinsey <gavin@kinsey.u-net.com>
68060/50 Amiga 1200	99.53	baba <baba@pa.yokogawa.jp>
68060/50 Amiga 4000	99.74	Stefan Tauche <otauche@uni-paderborn.de>
68060/50 Amiga 4000	100.16	Jan Johansson <jj@mordor.it.kth.se>
68060/66 Amiga CS MkII	132.71	Paul Hill <paul@lagernet.clara.co.uk>

## 3.12 Other Systems: Sparc, PowerPC, Mips, Intel 8088/286 ELKS, IBM

System	BogoMips	Reporter
Sparc sun4c	17.94	J.L. Brothers <brothers@halcyon.com>
Sparc SLC/20 S1	19.86	Simon Karpen <slk@linux-shell.net>
Sparc sun4c/25	24.88	Paolo <paolo0@yahoo.com>
Sparc IPX 4c	39.83	Paul D. Robertson <proberts@clark.net>
Sparc SS10 super50 4m	39.93	Juan Cespedes <cespedes@etsit.upm.es>
Sparc microS/50 SS-LX	49.76	Will Shaw <romulan@netwatch.clemson.edu>
Sparc SS20/50	49.86	Gary A. Donahue <lordgad@webspan.net>
Sparc hyperS Classic 4m	49.86	Juan Cespedes <cespedes@etsit.upm.es>
Sparc Voyager portable	59.80	Edward Austin <eastin@shl.com>
Sparc SS5 Netra	68	Craig Falconer <cf@papanui.school.nz>
Sparc SS5	69.84	Richard D. Davis <rddavis1@lucent.com>
Sparc SS50	74.95	Kaz <kaz@latte.cafe.net>
Sparc SS10 hyperS	99.73	Thomas B. Fox <tfox@oliverdesign.com>
Sparc SS5/66	109.77	Lance S. Nehring <lnehrin@uswest.com>
Sparc SS4/110	109.77	Chris Sylvain <csylvain@umms-itg.ab.umd.edu>
Sparc hSparc sum4m	124.92	Georg Schwarz <schwarz@physik.tu-berlin.de>

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Sparc hSparc/150 Sun4m	150.32	Tethys <tethys@ml.com>
Sparc Ultra I/143	278.00	Helmut <helmut@cancon.com>
Sparc Ultra I sun4u	284.05	Iban Cardona <icc@seric.es>
Sparc Ultra I sun4u	333.41	Roberto Giungato <r.giungato@computer.org>
Sparc Ultra II/270	539.03	Pieter Krul <pieter@dare.demon.nl>
Sparc Ultra II/360	719.26	Bjoern Augustsson <d3august@dtek.chalmers.se>
PowerPC 601 Mac	33.28	David Wetzel <dave@turbocat.de>
PowerPC 601/60 Mac6100	45.24	J.L. Brothers <brothers@halcyon.com>
PowerPC 601/66 Mac	51.62	Fred Klein <klein@des3.u-strasbg.fr>
PowerPC 601/60 Mac6100	59.38	Kent Radek <goo@itd.sterling.com>
PowerPC 601/75 Mac7200	73.93	Dimitris Tsifakis <jimmy@typhoeus.dg.uoa.gr>
PowerPC 601/90 Mac7200	89.00	Heinrich H. Beck <thebigduck@earthlink.net>
PowerPC 601/100 Mac7500	98.91	Russ Hoffman <reh@fore.com>
PowerPC 601/110 Mac8100	108	Charles Eicher <ceicher@inav.net>
PowerPC 603/100	66.56	A. Costa <c_chaos@chaosnet.wahnapitae.on.ca>
PowerPC 603/300 SM5000	57.00	Brian J. Landsberger <brian@landsberger.com>
PowerPC 604/100 PPS6050	99.74	Evaldas Darcianovas <evaldas@isi.kvm.lt>
PowerPC 604/100	199	Hamish Marson <hamish@aixrules.nz.ibm.com>
PowerPC 604/100 PPS7248	199.48	Evaldas Darcianovas <evaldas@isi.kvm.lt>
PowerPC 604 Mac8500	239.21	Steve <sjs132@psu.edu>
PowerPC 604/132 Mac9500	263.78	Matt Templeton <cybear@pacbell.net>
PowerPC 604/132 Mac7500	263.78	Patrick Murmann <murmann@mi.uni-erlangen.de>
PowerPC 604/133 MOT PS	266.24	Christopher Harrel <cnh@eng.mindspring.net>
PowerPC 604/150 Mac9500	297.73	Jean-Philippe Lord <jpl@binex.com>
PowerPC 604e/195	359.63	Michael Potts <pottsjam@flyernet.udayton.edu>
PowerPC 604/200 Mac8600	320	Julien Sebot <sebot@lri.fr>
PowerPC 604/180 SM900	367.82	J.E. Cook <jcojones@mail.athen1.ga.home.com>
PowerPC 604e/200 SM4000	399.12	Roland Kuhn <kuhn@physik.uni-kassel.de>
PowerPC 750/266 Mac	532.48	Fritz Anderson <fritza@tezcet.com>
PowerPC 750/292 Mac	586.38	John McAulay <johnmcaulay@ndirect.co.uk>
PowerPC 750/300 iBook	589	M. van Steensel <mvanstee@baserv.uci.kun.nl>
PowerPC 7400/350 Mac G4	697.96	Guillame Blain <blaingu@iro.umontreal.ca>
PowerPC 750/366 G3	732.36	Mike Hopkins <mhopkins@netmatters.co.uk>
PowerPC G4 Mac8500	796.26	Alain Birtz <abz@videotron.ca>
PowerPC 750/400 Mac	796.26	William F. Adams <willadams@aol.com>
PowerPC 750/400 iMac DV	797.90	Daniel Koerner <wum42@netscape.net>
PowerPC 750/400 G3	801.18	Richard Petty <repetty@austin.rr.com>
PowerPC 750/400 G3	801.18	Brian Kendig <brian@enchanter.net>
Mips R4000/100	48.30	J.L. Brothers <brothers@halcyon.com>
Mips R4000/100 Magnum	50.03	Andreas Busse <andy@soft-n-hard.de>
Mips R4400/134 Acer Pica	67.10	Andreas Busse <andy@soft-n-hard.de>
Mips R4400/134 Acer Pica	67.10	Ralf Baechle <ralf@waldorf-gmbh.de>
Mips R4600/133 Tyne	133.12	Ralf Baechle <ralf@waldorf-gmbh.de>
Mips R4600/133 RM200	133.08	Ralf Baechle <ralf@julia.de>
Mips R5000/150 Indy	154.83	Ralf Baechle <ralf@julie.de>
ELKS Intel 8088/4.77	0.02	Tim Van der Linden <timvdl@innet.be>
ELKS Intel 8088/10	0.05	Tim Van der Linden <timvdl@innet.be>
ELKS Intel 8086	0.5	Kin Lau <gabe@zot.io.org>
ELKS Intel 286 Tandy	0.75	Joey Hess <joe@kite.ml.org>
ELKS Intel 286 Nec V20/16	0.88	Vasilhs Ventirozos <r00t666@hotmail.com>
ELKS Intel 286	0.99	Anders Stenback <stenback@hehe.com>
ELKS Intel 286/8 VAXMate	1.03	Andrew Costa <c_chaos@wahnapitae.on.ca>
ELKS Intel 286/10 Comm.	1.30	Hans-Joachim Baader <hans@grumber.inka.de>
ELKS Intel 286 PS2	2.32	Morillas C.H. Antonio <morilla@fie.us.es>
ELKS Intel 286 PS2	2.34	Joey Hess <joe@kite.ml.org>

### 3.13 Normal Multi CPU systems

System	BogoMips	Reporter
SMP2 Pentium/75	59.50	Michael Engel <engel@unix-ag.uni-siegen.de>
SMP2 Pentium/90	71.68	Edwin Whitelaw <elw@ivc.com>
SMP2 Pentium/90	71.98	Daniel Luhde-Thompson <dl10010@cam.ac.uk>
SMP2 Pentium/90	72.08	Alan Cox <alan@cymru.net>
SMP2 Pentium/100	79.46	Lam Dang <dangit@ix.netcom.com>
SMP2 Pentium/100	80.08	Christian Tan <pigeon@xs4all.nl>
SMP2 Pentium/100	80.08	McNalley <jmcnalle@attila.stevens-tech.edu>
SMP2 Pentium/120	95.85	Maurice de Bijl <maurice.d.bijl@topic.nl>
SMP2 Pentium/133	106.09	Maurice de Bijl <maurice.d.bijl@topic.nl>
SMP2 Pentium/166	133.53	<Reinhard.Simkovics@jk.uni-linz.ac.at>
SMP2 Pentium/200	158.72	Ed Hoppitt <edward@dcs.rhbc.ac.uk>
SMP2 Pentium/200	158.92	Zeus <heyzeus@verios.net>
SMP2 Centaur C6-2	397.31	James Yang <jamesy@noemail>
SMP2 Pentium MMX/200	794.62	Kristian Koehntopp <kris@koehntopp.de>
SMP2 Pentium MMX/200	796.26	Eric Clark <eclark@opencominc.com>
SMP2 Pentium MMX/233	927.33	Jeff White <jwhite@ghq.com>
SMP2 Pentium Pro/150	299.00	Steven Gallo <smgallo@numenor.csgeeks.org>
SMP2 Pentium Pro/150	299.01	Eric van Dijken <E.vanDijken@PTT-Telecom.nl>
SMP2 Pentium Pro/166	331.78	Eric van Dijken <E.vanDijken@PTT-Telecom.nl>
SMP2 Pentium Pro/180	358.81	Eric van Dijken <E.vanDijken@PTT-Telecom.nl>
SMP2 Pentium Pro/180	358.81	Frankie East <fae2401@rit.edu>
SMP2 Pentium Pro/180	358.81	James K. Wiggs <>wiggs@wolfenet.com>
SMP2 Pentium Pro/200	396.25	Will Shaw <shaww@dialup.dstm.com>
SMP2 Pentium Pro/200	397.32	Abhijit Menon-Sen <ams@wiw.org>
SMP2 Pentium Pro/200	398.13	David Konerding <dek@cgl.ucsf.edu>
SMP2 Pentium Pro/200	398.13	B. Heinen <benedikt.heinen@infrasys.ascom.ch>
SMP2 Pentium Pro/200	398.13	Ramon Huerta <huerta@minerva.ii.uam.es>
SMP2 Pentium Pro/200	398.14	C.-A. Possamai <camille@sugiton.cnrs-mrs.fr>
SMP2 Pentium Pro/200	398.14	Leland <llucius@millcom.com>
SMP2 Pentium Pro/200	398.14	John Lellis <lellis@dmccorp.com>
SMP2 Pentium Pro/200	398.14	Jim Gifford <jim@mail.rath.peachnet.edu>
SMP2 Pentium Pro/200	398.14	Manuel Galan <root@ulpgc.es>
SMP2 Pentium Pro/200	398.6	Bill Davidsen <davidsen@tmr.com>
SMP2 Pentium Pro/200	398.95	Fons Rademakers <f.rademakers@cern.ch>
SMP2 Pentium Pro/200	398.98	Greg Fausak <glfausak@august.com>
SMP2 Pentium Pro/200	400.18	Attila Karpati <karpati@cs.elte.hu>
SMP2 Pentium Pro/233	464.49	F. Baitinger <baiti@zenon.toplink.net>
SMP4 Pentium Pro/133	532.07	Erik Walthinsen <omega@sequent.com>
SMP4 Pentium Pro/200	794.62	Kenneth Hedlund <c415khd@nll.se>
SMP4 Pentium Pro/200	796.28	John Pelan <j.pelan@am.qub.ac.uk>
SMP2 Pentium II/233	466.94	Eli Kane <eli@crl.nmsu.edu>
SMP2 Pentium II/266	530.84	Shon Martin <cshoon@oberlin.edu>
SMP2 Pentium II/266	534.12	n.n. <service@cprompt.sk.ca>
SMP2 Pentium II/266	534.12	Emmanuel Tychon <manu@acm.org>
SMP2 Pentium II/266	531.66	Stefaan A. Eeckels <stefaan.eeckels@ecc.lu>
SMP2 Pentium II/274	546.41	Richard Jellinek <rj@suse.de>
SMP2 Pentium II/300	597.20	Paul Sheer <psheer@obsidian.co.za>
SMP2 Pentium II/300	598.02	Hans Ameel <hans@pla.to>
SMP2 Pentium II/300	599.66	Abhijit Menon-Sen <ams@wiw.org>
SMP2 Pentium II/300	599.76	S. Curtarolo <auro@spiro.fisica.unpd.it>
SMP2 Pentium II/333 ov	665.73	S. Curtarolo <auro@spiro.fisica.unpd.it>
SMP2 Pentium II/333	665.20	D.A. Sergatskov <dima@cholla.phys.unm.edu>

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SMP2	Pentium II/350	697.14	Riley <rhwb@bigfoot.com>
SMP2	Pentium II/350	700.42	David Overeem <overeem.1@osu.edu>
SMP2	Pentium II/350	700.42	Mathijs <mathijs@helena.tux.nu>
SMP2	Pentium II/350	700.42	Joe Gray <jgray_111@yahoo.com>
SMP2	Pentium II/400	796.26	Michael Necaise <necaise@jlab.org>
SMP2	Pentium II/400	800.20	Simon van Sleuwen <sleuwen@hotmail.com>
SMP2	Pentium II/400	800.36	Gloger <joachim.j.gloger@daimlerchrysler.com>
SMP2	Pentium II/400	800.36	Marcel Lanz <marcel.lanz@ds9.ch>
SMP2	Pentium II/400	800.36	Frank <frank@sazza.ping.de>
SMP2	Pentium II/400	797.08	Mogens Kjaer <mk@crc.dk>
SMP2	Pentium II/400	800.47	Jung Pyo Hong <hongjungpyo@my-deja.com>
SMP2	Pentium II/448 ov	894.57	Rob Leach <dslfreak@pacbell.net>
SMP2	Pentium II/450	901.12	Abhijit Menon-Sen <ams@wiw.org>
SMP2	Pentium II/466	925.70	A. Giachino <a.giachino@ekkin.com>
*	SMP2 Pentium II/450	1789.13	Steve Snyder <swsnyder@home.com>
SMP2	Celeron/400	796.26	Stuart Hall <stuarthall@mailandnews.com>
SMP2	Celeron/400	798.21	Stefan Onderka <nop@gameart.com>
SMP2	Celeron/450	894.57	Stephan Eisler <stephan@lingo.gun.sub.org>
SMP2	Celeron/500	999.42	Ingimar Rovertsson <iar@skyrr.is>
SMP2	Celeron/500	999.42	Rob Farrell <rpf@speakeasy.net>
SMP2	Celeron/515 overc	1028.92	Ryan Werber <rwerber@ctel.net>
SMP2	Celeron/550 overc	1101.00	Olof Zachrisson <eraolza@ks.ericsson.se>
SMP2	Celeron/550 overc	1101.00	John Katagawa <dhc@50k.com>
SMP2	Celeron/550 overc	1101.00	Mattias Moberg <mattias.moberg@home.se>
SMP2	Celeron/550 overc	1101.00	Kieffer <Jerome.KIEFFER@crans.ens-cachan.fr>
SMP2	Celeron/550 overc	1101.00	C. Shenefiel <chris.shenefiel@bigfoot.com>
SMP2	Celeron/563 overc	1120	Cecchinél Stephan <inter.zone@free.fr>
SMP2	Celeron/606 overc	1207.50	Mattias Moberg <mattias.moberg@home.se>
SMP2	Pentium III/450	899.48	Ramses Smeyers <fatman@khk.org>
SMP2	Pentium III/450	899.48	Roland Exler <r.exler@jk.uni-linz.ac.at>
SMP2	Pentium III/500	996.14	Ola Samuelson <ola@datalink.se>
SMP2	Pentium III/500	996.15	Rob Green <mooncrow@lava.net>
SMP2	Pentium III/500	999.42	Douglas Osborn <daozb@earthlink.net>
SMP2	Pentium III/500	999.42	Greg M. Hebel <greghtwcnny.rr.com>
SMP2	Pentium III/560	1117.39	Nathan Laredo <laredo@gnu.org>
SMP2	Pentium III/650	1300.88	Dan Kegel <dank@alumni.caltech.edu>
SMP4	Pentium III/450	1794.00	Glenn Stone <glenns@ami.com>
SMP4	Pentium III/550	2195.46	Yan P. Yuan <Yanping.Yuan@EMBL-Heidelberg.de>
*	SMP2 Pentium III/600	2401.89	Shawn Hicks <shicks@impulse.net>
*	SMP2 Pentium III/600	2401.89	John Wiggins <jwiggins@csce.uark.edu>
*	SMP2 Pentium III/750	3001.55	Jesse Tie Ten Quee <tie@mountlinux.com>
SMP8	Pentium III/500	3996.06	Richard Langis <rlangis@primux.geekfest.net>
SMP2	Sparc SS/50	99.84	Dimitris Tsifakis <svldet@freemail.gr>
SMP31	EV67/731 Wildf.	46170.90	Peter Rival <frival@zk3.dec.com>

## 3.14 Non-Linux systems (reference only)

System	OS	BogoMips Reporter
Commodore 64	VICE	0.0033 <bdwheele@indiana.edu>
Z80 TRS80 model 4	TRSDOS	0.004 <cervasio@airmail.net>
Z80/4.6 NC100	ZCN	0.013 <rus@forfree.at>
68000/8 Macintosh Classic	MacOS	0.53 <jimmy@typhoeus.dg.uoa.gr>
68020/20 Sun 3	SUNOS	2.0 <korpela@ssl.berkeley.edu>
68020/16 Macintosh LC	MacOS	3.09 <jimmy@typhoeus.dg.uoa.gr>
68020/25 Sun 3-180	SUNOS	4.0 <korpela@ssl.berkeley.edu>
Sparc Sun 3-60	SUNOS	4.00 <tranter@software.mitel.com>
Sparc Sun 3-80	SUNOS	4.00 <tranter@software.mitel.com>

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Vaxstation 3100 M38	VAXVMS	4.66	<bdwheelee@indiana.edu>
68030/25 Macintosh IIci	NetBSD	5.62	<kirk-corey@uiowa.edu>
68040/25 Macintosh LC475	MacOS	12.27	<jimmy@typhoeus.dg.uoa.gr>
68040/33 HP9000-280	HP-UX	14	<niles@axp745.gsfc.nasa.gov>
68040/25 Apollo 5500	DomainOS	14.00	<kirk-corey@uiowa.edu>
Sparc Sun 4-280/20	SUNOS	16.0	<korpela@ssl.berkeley.edu>
Sparc Sun IPC/40	Solaris	16.00	<gong@cs.msu.su>
68040/25 HP9000-425	DomainOS	16.00	<kirk-corey@uiowa.edu>
68040 NextStep	(?)	16.26	<petergun@coffeehaus.com>
Sparc Sun SS1	SUNOS	18.00	<tranter@software.mitel.com>
Sparc Sun SS1	SUNOS	18.00	<jimmy@typhoeus.dg.uoa.gr>
IBM RS6000 320	AIX	18.00	<mg@svtp3.fb12.tu-berlin.de>
Sparc Sun SS1+	SUNOS	19	<swmike@uplift.df.lth.se>
Sparc Sun SS1+	SUNOS	24.00	<tranter@software.mitel.com>
Sparc Sun IPC	SUNOS	24.00	<tranter@software.mitel.com>
IBM RS6000 320H	AIX	24.00	<mg@svtp3.fb12.tu-berlin.de>
Sparc Sun Sparcstation2	SUNOS	26.00	<gong@cs.msu.su>
SparcClassic/50	Solaris	32.00	<gong@cs.msu.su>
Sparc Sun ELC	SUNOS	32.00	<tranter@software.mitel.com>
HP-PA 9000-720	HP-UX	32.00	<metod.kozelj@rzs-hm.si>
Sparc Sun SS10	SUNOS	34.00	<tranter@software.mitel.com>
Sparc Sun SS10	SUNOS	34.00	<makler@man.torun.pl>
Pentium/100	Win-NT	36.21	<marcus@healthchex.com>
Sparc Sun Sparcstation2	SUNOS	38.0	<korpela@ssl.berkeley.edu>
Mips R4000/100 Indy	(?)	48.00	<p.verwer@organon.akzonobel.nl>
Mips R4000/100 SGI IndySC	Irix	48.00	<lziegler@csbsju.edu>
HP-PA 9000-720	HP-UX	48.00	<metod.kozelj@rzs-hm.si>
Sparc SS10	SUNOS	48.00	<makler@man.torun.pl>
IBM RS-6000-250/66	AIX	52.00	<gl23@e4.hrz.uni-giessen.de>
Sparc Sun Sparcstation10d	SUNOS	54.0	<korpela@ssl.berkeley.edu>
Sparc SS1000 2CPU	SUNOS	58.00	<gong@cs.msu.su>
Sparc SS20	SUNOS	60.00	<makler@man.torun.pl>
IBM RS6000-250/80	AIX	62.00	<gl23@e4.hrz.uni-giessen.de>
Alpha 21064/133 Decstation	OSF1	64	<niles@axp745.gsfc.nasa.gov>
Alpha 21064/133 Dec3000	OSF1	66.00	<daniels@helplaxpl.harvard.edu>
Sparc Sun SS5	SUNOS	68.00	<tranter@software.mitel.com>
Sparc Sun SS20	SUNOS	72.00	<tranter@software.mitel.com>
Sparc Sun SS20/712	Solaris	74	<spohr@qmos.com>
Mips R4400/150 Challenge	(?)	74.00	<p.verwer@organon.akzonobel.nl>
Mips R4400/150 Indigo2Extr	(?)	74.00	<p.verwer@organon.akzonobel.nl>
HP-PA 9000-715	HP-UX	74.00	<metod.kozelj@rzs-hm.si>
Sparc SS5 sun4m	SUNOS	84.00	<chrisv@allegria.com>
Sparc SS1000E	SUNOS	84.00	<makler@man.torun.pl>
Alpha	OSF1	92.00	<petergun@coffeehaus.com>
Mips R4400/200 Indigo2Extr	(?)	98.00	<p.verwer@organon.akzonobel.nl>
HP-PA 9000-735/99	HP-UX	98.00	<lankhors@cs.rug.nl>
Sparc SS5	SUNOS	104.00	<makler@man.torun.pl>
Sparc Sun SS4/110	Solaris	108	<spohr@qmos>
Sparc Sun SS4	Solaris	108.00	<jimmy@typhoeus.dg.uoa.gr>
Sparc Sun SS5	SUNOS	110	<swmike@uplift.df.lth.se>
Alpha 21064A/233	OSF1	114	<niles@axp745.gsfc.nasa.gov>
Alpha 3000 21064/300	OSF1	120.00	<gl23@e4.hrz.uni-giessen.de>
HP-PA 700/125	HP-UX	122	<niles@axp745.gsfc.nasa.gov>
HP-PA 9000-735/125	HP-UX	122.00	<lankhors@cs.rug.nl>
Mips R4600/133 SGI Indy	Irix	132	<lziegler@csbsju.edu>
MIPS R5000/150	Irix	148.00	<nachiket@indimax.hydroqual.com>
IBM 6x86	OS/2	149.13	<mikedg@ghostbbs.pandora.it>
Alpha	OSF1	180.0	<mauger@ensinfo.univ-nantes.fr>
MIPS R10000/195	Irix	194.00	<nachiket@indimax.hydroqual.com>
Alpha 21164/333 AS500	OSF1	222.00	<daniels@helplaxpl.harvard.edu>
Sparc Ultra-1 sun4u	Solaris	254.00	<alternat@rwth-aachen.de>
PPC604/133 IBM RS6000	AIX	254.00	<kirk-corey@uiowa.edu>

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IBM RS-6000 43P powerpc	AIX	260.00	<gl23@e4.hrz.uni-giessen.de>
Sparc U-1 sun4u	SunOS	284.00	<gl23@e4.hrz.uni-giessen.de>
Alpha 21164/433 DPW433au	OSF1	286.00	<daniels@helplaxpl.harvard.edu>
HP9000-C160/160	HP-UX	316.00	<nicolai@prz.tu-berlin.de>
Sparc Sun US1/170	Solaris	330	<spohr@qmos>
Sparc Sun US1/167	Solaris	330	<jimmy@typhoeus.dg.uoa.gr>
Sparc Ultra-1 sun4u	SUNOS	334.00	<chrisv@allegria.com>
Alpha 3000-600S	VMS	348.61	<metod.kozelj@rzs-hm.si>
Alpha server 1000-4/200	VMS	397.68	<metod.kozelj@rzs-hm.si>
Sparc Sun-Ultra30/248	Solaris	482.00	<marc.Quinton@stna.dgac.fr>
Sparc US2/296 2cpu	SUNOS	596.00	<manu@acm.org>
Cray J90 Y-MP/100 16cpu	Unicos	912.00	<lankhors@cs.rug.nl>
Sequent Symmetry 6xP5/166	Dynix	984.00	<omega@sequent.com>
Sequent Symmetry 16xP5/66	Dynix	1056.00	<omega@sequent.com>
HP9000-C160/160	HP-UX	1278.00	<nicolai@prz.tu-berlin.de>
Sequent NUMA-Q 12x P6/180	Dynix	1416.00	<omega@sequent.com>
Sequent NUMA-Q 32x P6/180	Dynix	3776.00	<omega@sequent.com>
Parnass2 144x PII/400	Myrinet	57684.96	<zumbusch@iam.uni-bonn.de>

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## 4. Signature

The children [Roderick](#), [Isolde](#) and [Daphne](#) are again back to school and baby daycare centre. Sheer bliss, since school is where you learn new things. Isolde comes back home and tell us that "today she learned the word book and tomorrow she will learn the word hat." When I pointed out the word hat the other day, she said: "No, daddy, I don't know the word hat yet, because we have learned the letter aitch yet." Wijsneus.

Met vriendelijke groeten, Wim 'Dad' van Dorst.

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Wim van Dorst, Clifton Scientific Text Services, tel/fax +31 355 242 319  
This sentence have three errors

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