BogoMips mini–Howto

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BogoMips mini−Howto

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This text gives some information about BogoMips, compiled from various sources such as news and e−mail. This text is retrievable from 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, 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.

Note: during the period February/May 1999 I received very interesting BogoMips information. Unfortunately due to hardware failure (and my additional erroneous behaviour) the archive file of these was lost. So in case you did send me information, but it doesn't show in this file, please send me the data again. I apologize for the misser. WvD.

1.Lowest and highest BogoMips ratings

- 1.1 The lowest Linux boot sequence BogoMips value
- 1.2 The highest single−CPU Linux boot sequence BogoMips value
- 1.3 The highest multiple−CPU (SMP) Linux boot sequence BogoMips value
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2.The frequently asked questions about BogoMips

- 2.1 What are BogoMips
- 2.2 How to estimate what the proper BogoMips rating should be
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4.Signature

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`
- Intel 8088, at 4.77 MHz, ELKS
- 0.02 BogoMips

1.2 The highest single−CPU Linux boot sequence BogoMips value

- Jon Berlin `jberlin@worldbank.org`
- Laurent `blackm@pop.multimania.com`
- AMD K6−2 3D at 500MHz
- 999.42 BogoMips

1.3 The highest multiple−CPU (SMP) Linux boot sequence BogoMips value

- Richard Langis, rlangis@primux.geekfest.net
- 8x Pentium III (Xeon) at 500 MHz
- 3996.06 BogoMips

1.4 The highest non−Linux BogoMips value

- omega@sequent.com
- Sequent NUMA−Q, 32 CPUs P6, at 180 MHz
- Dynix operating system
- 3776.00 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 currently 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 bootup 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 \;
```

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
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
Intel Celeron	clock * 1.00	5.6
AMD K7/Athlon	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
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.

Note that the BogoMips calculation loop for the non−Intel CPUs is similar but not the same.

2.3 How to determine what the current BogoMips rating is

There are three methods to determing 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`:

> `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 "quantizised", 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.

Note that the BogoMips algorithm, contrarily to popular believe, did NOT change significantly over the various kernel versions.

2.5 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.

2.6 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.

2.7 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.

3.Compilation of ratings

The following table gives some reported BogoMips ratings for various systems (more than 1000 entries by more than 800 different persons, from about 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 faultly 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@wahnapitae.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@rocky1.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>
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@bbn.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 <djrobins@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 Friese <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@drei.enet.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 faultly configured 486 systems

```
System              BogoMips  Reporter
486DX/33 0c            1.45   Mark Gray <vatavian@gvu1.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>
486DX4/120 AMD         3.08   Charles Hines <chuck_hines@vnet.ibm.com>
```

486DX4/66 256c	3.10	Riccardo Capella <mc8508@mclink.it>
486DX4/100 wb-cache	3.10	Paul Close <pdc@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 <joel@cs.murdoch.edu.au>
486DX/33 256c noturbo	4.25	Wouter Liefting <wlieftin@cs.vu.nl>
486DX/33	4.66	Mark Gray <vatavian@gvu1.gatech.edu>
486Rx2 Cyrix 25/50	4.85	<cosc19v2@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@ttgcitn.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 <guesta@slip-29-7.ots.utexas.edu>
486DX5/133 AMD	87	John Wiggins <jwiggins@comp.uark.edu>

3.4 Normal 486 systems

System	BogoMips	Reporter
486SX/20 DECpc	9.98	Thomas Pfau <pfau@cnj.digex.com>
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	Emmanual 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 <pe1chl@amsat.org>

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486DX/33 64cache      16.44   H. Peter Anvin <hpa@nwu.edu>
486DX/33 256c DIY     16.44   Wouter Liefting <wlieftin@cs.vu.nl>
486DX/33 Intel 128c   16.44   Rafal Kustra <g1krakow@cdf.toronto.edu>
486DX/33              16.5    Alex Freed <freed@europa.orion.adobe.com>
486DX/33              16.6    Vaughan R. Pratt <pratt@Sunburn.Stanford.EDU>
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>
486DX/40              19.91   M Heuler <heuler@informatik.uni-wuerzburg.de>
486DX/40              19.96   David A. Ranch <dranch@ecst.csuchico.edu>
486DX/40 AMD          19.97   M Haardt <u31b3hs@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>
486DX/40              19.97   <Eberhard_Moenkeberg@p27.rollo.central.de>
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@rc1.vub.ac.be>
486DX2/50             25      M. Abrahamsson <swmike@uplift.df.lth.se>
486DX2/50             25.0    Christian Holtje <choltje@ux1.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>
486DX/50              25.04   Michael Kress <kress@hal.saar.de>
486DX2/50             25.04   Mats Wikholm <mwikholm@news.abo.fi>
486DX2/50             25.04   Jean C Delepine <delepine@linux.u-picardia.fr>
486DX/50              25.04   Jean C Delepine <delepine@linux.u-picardia.fr>
486DX/50              25.04   Kevin Burtch <kburtch@pts.mot.com>
486DX/50 notebook     25.04   Pierre Frenkiel <frenkiel@cdfap1.in2p3.fr>
486DX/50              25.10   M Heuler <heuler@informatik.uni-wuerzburg.edu>
486DX2/50             25.4    Brian Kennedy <bkenned@hubcap.clemson.edu>
486DX2/66             32      Lee Sau Dan <h9210876@khuxa.hku.hk>
486DX2/66             32.87   Samuel Thibault <samuel.thibault@fnac.net>
486DX2/66             32.9    Frederick <niles@axp745.gsfc.nasa.gov>
486DX2/66             33      Alec Muffett <alecm@uk-usenet.uk.sun.com>
486DX2/66             33      NN <coolefa@pmifeg.com>
486DX2/66             33      Steve Tinney <sjt@enlil.museum.upenn.edu>
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@gwsunix1.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             33.20   Arnd Gehrmann <arnd@rea.com>
486DX2/66 Intel/PCI   33.22   C. Menke <carsten.menke@post.uni-bielefeld.de>
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486DX2/66              33.22   Brian Ricker <gt2327c@prism.gatech.edu>
486DX2/66              33.22   Don Bennett < <don@engr.mun.ca>
486DX2/66              33.22   Robert Heller <heller@cs.umass.edu>
486DX2/66              33.22   Warwick Ward-Cox <wwar@lostlink.alt.za>
486DX2/66              33.22   Chien-An Chen <giant@nwu.edu>
486DX2/66 Eisa/VL      33.22   Serge <sviznyuk@magnus.acs.ohio-state.edu>
486DX2/66 AMD          33.22   Wayne Robinson <wayner@renoir.cftnet.com>
486DX2/66 Intel        33.22   Jim Barber <yeul@marsh.cs.martin.edu.au>
486DX2/66              33.22   Tom Lowery <tlowery@mcs.kent.edu>
486DX2/66              33.27   S Viznyuk <sviznyuk@magnus.acs.ohio-state.edu>
486SX2/66              33.28   Jacob Papenfuss <root@the-corridor.com>
486DX2/66              33.3    Devon Tuck <devon@netcom.com>
486DX2/66 256cache     33.4    H. Peter Anvin <hpa@nwu.edu>
486DX2/66              33.5    Jongyoon Lee <mr2@netcom.com>
486DX2/66              33.5    Petrovsky Alexey <gong@cs.msu.su>
486DX2/66              33.5    Sung Lee <slee2@umbc.edu>
486DX2/66              33.55   Gene McCulley <mcculley@greatwall.cctt.com>
486DX2/66              33.55   W. Zeilinger <wzeil@doradus.ast.univie.ac.at>
486DX2/66              33.55   Donald Lewis <dlewis@jackson.freenet.org>
486DX2/66              33.55   Eric Malkowski <malk@world.std.com>
486DX2/66 0c           33.55   Chris Petit <mystere@ix.net.com>
486DX2/66              33.55   <al-b@minster.york.ac.uk>
486DX2/66              33.55   Jesper de Jong <jesper@cas.et.tudelft.nl>
486DX2/66              33.55   John Paul Morrison <jmorriso@bogomips.com>
486DX2/66              33.55   Arash <ei39594@ios.chalmers.se>
486DX2/66              33.55   Ralph Lewis <rlewis@mail.wsu.edu>
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.montcleair.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. Guttierez <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>
486DX2/80              39.94   D t Haar <danny@caution.cistron.nl.mugnet.org>
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 <pkrawczy@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>
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486DX4/100            49.71   Brett Gersekowski <bgrerseko@powerup.com.au>
486DX4/100 Intel 256c 49.77   Angelo Haritsis <ah@doc.ic.ac.uk>
5x86/100 AMB undercl  49.77   Bernd Hentig <bernd.hentig@guug.de>
486DX4/100            49.78   Aurel Balmosan <aurel@xylo.owl.de>
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>
486DX4/100 AMD        50.3    Dave <shodan@shodan.clark.net>
486DX4/100 AMD        50.04   Tony Smolar <asmolar@fast.net>
486DX4/100            50.05   fredk <fredk@shadow.net>
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@hp12.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>
486DX4/100 AMD        50.08   B Schuller <schuller@ind136a.wi.leidenuniv.nl>
486DX4/100            50.08   J.L. Brothers <brothers@halcyon.com>
486DX4/100            50.08   David E.A. Wilson <david@cs.uow.edu.au>
486DX4/100            50.08   Mark Lumsden <root@titan2.physics.mcmaster.ca>
486DX4/100            50.08   Ashar <ashar@netcom12.netcom.com>
486DX4/100            50.08   Jacob Waltz <waltz@pcjiw.lampf.lanl.gov>
486DX4/100            50.08   Tom Sinclair <sinner@cafe.net>
486DX4/100 AMD        50.08   G. Skinner <gskinner@gwsunix1.crystalball.com>
486DX4/100 AMD        50.08   Nick Savoiu <nick@ritz.mordor.com>
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>
486DX4/100            50.51   Frederic Potter <frederic@swing.ibp.fr>
486DX4/100            50.66   Bill Stegers <bill_ste@zeelandnet.nl>
486DX4/120 256c       59.1    Kevin <kalichwa@oakland.edu>
486DX4/120 AMD        59.80   Mark Tranchant <mat92@ecs.soton.ac.uk>
486DX4/120 AMD        59.80   Fred Broce <fbroce@atlanta.com>
486DX4/120 AMD        59.90   Marko Ovaska <ovaska@cc.helsinki.fi>
486DX4/120 AMD        59.80   Bob Purdon <bobp@mpx.com.au>
486DX4/120 AMD        59.80   Pat Young <dice@netbsd.warped.com>
486DX4/120            59.91   Will <zxmvg07@hp12.zdv.uni-tuebingen.de>
486DX4/120 AMD 256c   60.01   Angelo Haritsis <ah@doc.ic.ac.uk>
486DX4/120 overcl     60.45   Pascal Pensa <pensa@aurora.unice.fr>
486DX4/120            60.45   Neal Howard <neal@metronet.com>
486DX4/120 AMD        60.45   Oscar Belmar Madrid <obelmar@anakena.usach.cl>
486DX4/120            60.45   Jason Buchanan <jsb@digistar.com>
486DX4/120            60.45   Foersterling <dirk@informatik.uni-frankfurt.de>
486DX4/120            60.45   Bernd Hentig <bernd@finow.snafu.de>
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
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5x86/133 AMD          67.10   James Reith <reith@racores.com>
5x86/133 AMD   256c   67.10   Yves Rougy <yrougy%siam@cal.fr>
5x86/133 AMD   256c   67.10   Peter A. Koren <pkoren@lvdc20.dseg.ti.com>
5x86/133 AMD   256c   67.10   Wim Joppe <joppe@xs4all.nl>
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>
5x86/150 AMD overcl   74.75   Sergio Riveros <riveros@musca.unm.edu>
5x86/150 AMD overcl   74.75   Arthur K. Chan <artchan@cs.ucr.edu>
5x86/160 AMD overcl   79.87   M.Suencksen <msuencks@techfak.uni-bielefeld.de>
5x86/160 AMD overcl   79.87   J. Chris Hammond <cosmo@pcisys.net>
5x86/160 AMD overcl   79.87   Bird Chen <luca@linux.taiwan.hp.com>
5x86/160 AMD overcl   79.89   Geir Skaugen <geir.skaugen@energy.sintef.no>
5x86/160 AMD overcl   79.89   Martin Vernon <martin@gw6hva.demon.co.uk>
5x86/160 AMD overcl   79.92   T. Zerucha <zerucha@shell.portal.com>
5x86/160 AMD overcl   80.36   Paul Colucci <pcolucci@acsu.buffalo.edu>
5x86/160 AMD overcl   80.36   Steinar Haug <sthaug@nethelp.no>
5x86/160 AMD overcl   80.36   James Daniel <triadmin@bga.com>
5x86/160 AMD          80.36   David H.S. Oh <david@std.net>
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3.5 Normal 486 variations: Cyrix/IBM, UMC

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System               BogoMips  Reporter
486DLC/33                9.42  Dennis Robinson <djrobins@uxa.cso.uiuc.edu>
486DLC/33 387DX/40       9.47  Denis Solaro <drzob@vectrex.login.qc.ca>
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 <u31b3hs@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>
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3.6 Oddly or faultly configured Pentium systems, or variations

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 <c4ab1@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 <jsno@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>

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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>
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 <langrlld@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.onderka@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 <jasonc1@gramercy.ios.com>
Pentium/100 overcl       39.83  Stefan Onderka <stefan.onderka@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 Vorpal <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>
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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>
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	Guiseppe 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 <sorrodp@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>
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 <timm@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>
Centaur C6-2/233	154.83	Joe Noble <noble@flashman.com>

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 <pe1chl@amsat.org>
Pentium MMX/166	331.78	Dave Page <dave@vale-housing.co.uk>
Pentium MMX/166	331.78	Matthew C. Sell <amtmcs@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>

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Pentium MMX/200          398.95  Duane Steel <dsteele@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          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>
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.fd.ul.pt>
Pentium MMX/233          463.67  Rob Janssen <pe1chl@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 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           265.44  Nick Ullman <nick@avenza.com>
Pentium II/266           266.24  Pieter Eendebak <p.t.eendebak@phys.uu.nl>
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           349.80  Rizzoli <rizzoli@planet.it>
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   Pentium II/350          349.80  Jeff Bishop <jbish@airmail.net>
   Pentium II/400          396.49  Abhijit Menon-Sen <ams@wiw.org>
   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>

   Celeron/300             299.83  Abhijit Menon-Sen <ams@wiw.org>
   Celeron/300             299.97  Helmut <helmut@cancon.com>
   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>

   Pentium III/450         450.56  Rogier Spieker <rogier@metallica.com>
   Pentium III/500         498.00  Rajko Wehrhahn <seymour@link-c.cl.sub.de>
   Pentium III/500         499.71  Morris Walton <mccw@ipass.net>

<sect1>Normal Pentium variations: Cyrix, AMD
<p>
<verb>
   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 6x86/120 P150+    119     Jean-Claude Gouiran <jcg13@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 <beaslej1@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>
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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 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>
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               398.85  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 <fede@triangolo.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 <rgarciaitt@aol.com>
AMD K6/233 overcl        466.84  Francesco <root@fly.cnuce.cnr.it>
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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 <gcantallopsr@jet.se>
AMD K6/233              466.94  Juergen Hammelmann <juergen@neptun.stgt.de>
AMD K6/233              466.94  Chris Gushue <seymour@iname.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 Dompselaar <etaoin@xs4all.nl>
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>
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 3D         699.60  D. Breuer <dirk.breuer@post.rwth-aachen.de>
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 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            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            801.18  Wolfgang Zekoll <wzk@um1.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            801.29  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@@atomicsys.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 K6-2/450 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 K6-2/500            999.42  Jon Berlin <jberlin@worldbank.org>
AMD K6-2/500 3D         999.42  Laurent <blackm@pop.multimania.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 K7/655              652.08  Mark Steele <msteele@belent.com>
AMD Athlon/755          752.03  Mark Steele <msteele@belent.com>
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3.9 Normal Alpha systems

System	BogoMips	Reporter
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	Roverto Giungato <giungator@acm.org>
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@ftech.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>
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 PC164 Durango	363.85	Geerten Kuiper <geerten@bart.nl>
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 <timm@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>

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21164/500               497.05  Heiner Kruener <hk@martian.ping.de>
21164/500 AS500         497.03  Jim Nance <jlnance@avanticorp.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 <donaldlf@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 XP1000        996.40  P. Caulfield <patrick@balti.london.sco.com>
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3.10 Normal Motorola systems

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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>
68030/20 MacII Si         4.88  Bill Maloy <maloy@goldinc.com>
68030/20 0c               4.92  Chris Nadigh <chrnadig@iiic.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@planeteer.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@bazis.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@ihgp114r.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>
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>
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```
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 <wjames1@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>
68040/40 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>
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3.11 Other Systems: Sparc, PowerPC, Mips, Intel 8088/286 ELKS

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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>
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 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 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  Christoper 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@tezcat.com>
PowerPC 750/292 Mac     586.38  John McAulay <johnmcaulay@ndirect.co.uk>

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>

Intel 8088/4.77           0.02  Tim Van der Linden <timvdl@innet.be>
Intel 8088/10             0.05  Tim Van der Linden <timvdl@innet.be>
Intel 8086                0.5   Kin Lau <gabe@zot.io.org>
Intel 286 Tandy           0.75  Joey Hess <joey@kite.ml.org>
Intel 286 Nec V20/16      0.88  Vasilhs Ventirozos <r00t666@hotmail.com>
Intel 286                 0.99  Anders Stenback <stenback@hehe.com>
Intel 286/8 VAXMate       1.03  Andrew Costa <c_chaos@wahnapitae.on.ca>
Intel 286/10 Commodore    1.30  Hans-Joachim Baader <hans@grumber.inka.de>
Intel 286 PS2             2.32  Morillas C.H. Antonio <morilla@fie.us.es>
Intel 286 PS2             2.34  Joey Hess <joey@kite.ml.org>
```

3.12 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.rhbnc.ac.uk>

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/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/350     697.14  Riley <rhw@bigfoot.com>
SMP2 Pentium II/350     700.42  David Overeem <overeem.1@osu.edu>
SMP2 Pentium II/350     700.42  Mathijs <matthijs@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     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.giachine@ekkinc.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@home.com>
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/563 overc 1120     Cecchinel 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/560   1117.39  Nathan Laredo <laredo@gnu.org>
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>
```

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SMP8 Pentium III/500   3996.06  Richard Langis <rlangis@primux.geekfest.net>

SMP2 Sparc SS/50         99.84  Dimitris Tsifakis <sv1det@freemail.gr>
```

3.13 Non−Linux systems (reference only)

```
System                      OS       BogoMips Reporter
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>
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@svtpc3.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@svtpc3.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@helplaxp1.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>
```

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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@helplaxp1.harvard.edu>
Sparc Ultra-1 sun4u         Solaris  254.00  <alternat@rwth-aachen.de>
PPC604/133 IBM RS6000       AIX      254.00  <kirk-corey@uiowa.edu>
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@helplaxp1.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>
```

4.Signature

The news of the little sister Daphne has not lost its attractiveness to Big Brother Roderick and Big Sister Isolde. After the wife has gone back to work now, I have the pleasant morning job to bring the children to school and the daycare center: quite a car load, with three singing kids in there :−). Fortunately, they're quite happy to be brought to their respective places, even the school!

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 erors
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