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, initially started back in 1993 as BogoMips Information Sheet, is retrievable in the most up−to−date version from its homepage at www.clifton.nl, and from the various Linux archives in the file .../HOWTO/mini/BogoMips. Translations are reported to be available in Chinese, French, German, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Spanish, and Slovak from appropriate archives. An explanatory article, titled 'the Quintessential Linux Benchmark,' was published in the Linux Journal, vol 21, 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 Wim van Dorst

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1. The highest and lowest BogoMips ratings

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

1.1 The highest single−CPU Linux boot sequence BogoMips value

- Heiko Steindl `heiko@steindl.com`
- Intel Pentium 4, at 3400 MHz
- 6717.44 BogoMips

1.2 The lowest Linux boot sequence BogoMips value

- Tim Van der Linden, `timvdl@innet.be`
- Intel 8088, at 4.77 MHz, ELKS
- 0.02 BogoMips

1.3 The highest multiple−CPU Linux boot sequence BogoMips value

- Dan Kirkpatrick, `dkirk@physics.syr.edu`
- 102 CPU Beowulf of Pentium IIIs, at 1000MHz
- 203862.30 BogoMips

1.4 The highest non−Linux BogoMips value

- `omega@sequent.com`
- Sequent Numa−Q, 32 Pentium CPUs at 180MHz
- 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 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@morgana.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, with a nice example of floating point arithmetic within the fully integer kernel), 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
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
Motorola 68040               clock * 0.67             3.7
PowerPC 603                  clock * 0.67             3.7
Intel StrongArm              clock * 0.66             3.7
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
Intel Itanium                clock * 1.00             5.6
Mips R4600                   clock * 1.00             5.6

Alpha 21264                  clock * 1.99            11.1
Centaur VIA                  clock * 1.99            11.1
AMD K5/K6/K6-2/K6-III        clock * 2.00            11.1
AMD Duron/Athlon XP          clock * 2.00            11.1
UltraSparc II                clock * 2.00            11.1
Pentium MMX                  clock * 2.00            11.1
Pentium 4                    clock * 2.00            11.1
Centaur C6-2                 clock * 2.00            11.1
PowerPC 604/604e/750         clock * 2.00            11.1
Motorola 68060               clock * 2.01            11.2
Intel Xeon (hyperthreading)  clock * 3.97            22.1

Hitachi SH-4                 not enough data (yet)
IBM S390                     not enough data (yet)
Intel ARM                    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. Also read the section on 'New BogoMips algorithm?' below,
since for some of these CPUs recent kernels may give different data.

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 you're lucky the information may still be on the booting virtual console (if necessary, switch to it with the Alt−F1 key combination), otherwise you can retrieve 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 a standalone BogoMips program. One recent version (now at 1.4) is currently available, viz. Darrick Wong's `djwong@thibs.menloschool.org`. Jeff Tranter `jeff_tranter@mitel.com` was the original author. From his readme file:

> `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 a standalone program on Linux systems may be quite different from registered in the list below. Intrinsically a standalone program cannot give precisely similar information to the boot sequence BogoMips, since system load will compete with the program run by an ordinary user. Therefore only boot sequence BogoMips ratings are listed below.

Be aware that Jeff's file `sunsite.unc.edu:/pub/Linux/system/status/bogo-1.2.tar.gz/` is outdated. Therefore, check out Darrick's program on `http://thibs.menloschool.org/~djwong/programs/bogomips/`. He even has a MSW*nd*ws binary version.

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.

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 for CPUs where this change was actually relevant for (Pentium II/III, Celeron, Athlon) are marked in the list below with an initial * (star symbol).

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.

3. Compilation of ratings

The following table gives some reported BogoMips ratings for various systems: more than 1600 entries by nearly 1300 different persons, from over 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.

Some entries are marked with an '*'. See the chapter above about the 'New algorithm?' for explanation. And all e−mail addresses have been anti−spam manipulated: replace @_ with @ for the original reporter.

3.1 386 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/33 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    R 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    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    F 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>
386DX/40 AMD            8.06    McWilliam <hamishpmcwilliam@_netscape.net>


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>
```

3.2 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>
```

3.3 486 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@_ens-lyon.fr>
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>
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     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@_ens-lyon.fr>
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     D 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.de>
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>
486SX2/50          24.93   Christian Lederer <mail@cpu-museum.de>
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   J C Delepine <delepine@_linux.u-picardia.fr>
486DX/50           25.04   J 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   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@_ens-lyon.fr>
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          33.18   Remco den Besten <besten@_rdr.nl>
486DX2/66          33.20   Arnd Gehrmann <arnd@_rea.com>
486DX2/66 Intel/PCI 33.22  C Menke <carsten.menke@_post.uni-bielefeld.de>
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   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@_wolpi.infomatik.uni-bonn.de>
486DX2/66 Intel/PCI 33.55  L J LaBash <labash@_lcjones.aclib.siue.edu>
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3.2 Oddly or faultily configured 386 systems   10

```
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    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 notebook    37.38   January W <jweiner1@_ix.urz.uni-heidelberg.de>
486DX4/75             37.47   G Asmundarson <grettir@_wordperfect.com>
486DX2/80             39.83   Samuel Thibault <samuel.thibault@_ens-lyon.fr>
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 tHaar <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   L Pressler <lutz.pressler@_med-stat.GWDG.de>
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>
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```
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   Forsterling <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 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 <nn@_nn.com>
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   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>
```

3.4 Oddly or faultily 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   Fr 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>
  *  486SLC/33 Cyrix        13.26   Daniel Path <danielp@_r-medialine.hu>
     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>
     486DX4/100 TI          39.94   Andre Lehrbach <lehrbach@_redamp.com.br>
     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>
```

3.5 486 variations: Cyrix/IBM, UMC

```
     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           26.62  Demian Marshall <dandfi@_nospam.shaw.ca>
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 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               29.70  H. Cuijpers <hcuijpers@_maas-services.com>
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>
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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>
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>
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3.6 Pentium systems

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       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>
       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>
       Pentium/188 overcl         74.96    Reijo Pitkanen <reijop@_bzln.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>
    *  Pentium/60                 119.60   Luis Miguel Bruga <lmburga@_ieee.org>
    *  Pentium/90                 179.81   Gavin McDonald <gavitron@_telus.net>
    *  Pentium/100 HP             197.00   Kevin Rutan <mt2mb@_neo.rr.com>
    *  Pentium/100                198.66   Patrick Nichols <pat@_humbug.org.au>
    *  Pentium/100                199.48   McWilliam <hamishpmcwilliam@_netscape.net>
    *  Pentium/133                264.60   Lew Pitcher <lew.pitcher@_td.com>
    *  Pentium/133                265.42   Max Vasin <max@_mail.ru>
    *  Pentium/133                266.24   Vadim <root@_teleline.es>
    *  Pentium/133                266.24   Loren J Donelsson <nojunk@_nojunk.com>
    *  Pentium/166                331.78   Sabu <sabu@_chatpr.org>
    *  Pentium/166                332.60   Electra Flarefire <bcrowe@_optushome.com.au>
```

3.7 Oddly or faultily configured Pentium systems

```
       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>
```

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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>
```

3.8 Pentium variations: Intel (MMX, Pro, II, Celeron, III, 4)

```
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   329.31  Massimo Pinto <pinto@_graylab.ac.uk>
Pentium MMX/166 notebk   331.75  NN <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/166          333.46  McWilliam <hamishpmcwilliam@_netscape.net>
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 <dsteele@_direct.ca>
Pentium MMX/200          398.95  <ndpilatz@_undergrad.math.uwaterloo.ca>
Pentium MMX/200 mobile   398.95  Nam <nam@_netvigator.com>
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>
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  Mv Overbruggen <marcel@_johannes.iconnect.nl>
Pentium MMX/233          466.94  Keith Beacham <kbeacham1@_sympatico.ca>
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.com>
Pentium MMX/290 overcl   581.63  Brian <eradicator@_home.com>

Pentium Pro/133          132.88  John D. Sundberg <jdsundberg@_mmm.com>
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```
   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        199.07  Roberto <rc@_cr.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 Pro/200        399.76  Horst Wente <horst.wente@_acm.org>


   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/118         234.29  Jose Gerardo A Quejada <gquejada@_nsclub.net>
   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>
   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>
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   Pentium II/450         447.28  Esmail Bonakdarian <esmail@_uiowa.edu>
   Pentium II/466         462.03  Bjorn Lindgren <bjorn@_chiba.cx>
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   Pentium II/504 overcl  502.99  David Hand <dhand@_best.com>
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*   Pentium II/350          688.12   Niek <niek@_niek.net>
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*   Pentium II/400          792.99   Abhijit Menon-Sen <ams@_wiw.org>
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   Pentium 4/3200        6406.14  Carson Reynolds <carsonr@_media.mit.edu>
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3.9 Pentium variations: Cyrix, AMD (K5/K6/K7, Duron, Athlon, Opteron), Centaur

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      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>
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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>
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AMD K6/200                398.89  Ian Hanschen <hanschen@_uwyo.edu>
AMD K6/200                398.98  Philip Lijnzaad <lijnzaad@_columba.ebi.ac.uk>
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AMD K6/200                399.78  Dan Hetzel <dan@_icor.fr>
AMD K6/200                400.58  Paco Culebras Amigo <paco@_hades.udg.es>
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AMD K6/200                400.64  Fabrizio Santini <sanfff@_tin.it>
AMD K6/208 overcl         416.15  Jani Halme <jaadha@_utu.fi>
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AMD K6/233                466.5   R. Garcia <rgarciaitt@_aol.com>
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AMD K6/233                466.94  Maheswara <maheswara@_freeuk.com>
AMD K6/239                478.41  Torbjoern Kristoffersen <torbkris@_online.no>
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AMD K6-2/300              599.65  Mate Javor <mjavor@_gskcomp.hu>
AMD K6-2/308              614.40  Erv Walter <walter@_chem.wisc.edu>
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AMD K6-2/333              663.55  Sebastian <sebastian882@_my-deja.com>
AMD K6-2/333              665.19  A. Bihlmaier <stormtank@_gmx.net>
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AMD K6-2/350 3D          699.60  Mirko Schur <mschur@_t-online.de>
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AMD K6/350 3D            699.59  Elie De Brauwer <elie@_de-brauwer.be>
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AMD K6-2/366             732.36  Risto A. Paju <rp241@_cam.ac.uk>
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AMD K6-2/400 overcl      799.54  Ivo Plana <ipv@_tinet.fut.es>
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AMD K6-2/400             799.54  Chris <cpr@_intergate.bc.ca>
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AMD K6-III/417 overcl    833.95  Chris Priest <chris@_idol.demon.co.uk>
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AMD K6-2/475 laptop      943.72  Chris Matthews <chris@_masc.ca>
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   *  AMD Athlon/750           1494.22  A Galinovic <thehack@_fly.srk.fer.hr>
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*   AMD Athlon/1150          2293.76  Greg Baumgartel <gregb@_frii.com>
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*   AMD Athlon/1200          2392.96  Andy Wiggin <awiggin@_alpinemicro.com>
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*   AMD Athlon/1200          2411.72  Pepijn Kenter <kenter@_tpd.tno.nl>
*   AMD Athlon/1300          2588.67  Stuart Trusty <stuart@_linuxlabs.com>
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*   AMD Athlon/1400          2805.78  Christian Leder <wilhelm@_gate.ledionline.de>

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    AMD Athlon MP/1500       2929.45  Bob Harvey <bobharvey@_engineer.com>
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    AMD Athlon XP/1533       3047.42  Tommy Tonteri <tommy.tonteri@_aktia.fi>
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    AMD Athlon XP/1600       3198.15  Fredrik Brokvist <frb@_post.utfors.se>
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    AMD Athlon XP/1666       3301.37  Didier Deshomme <dfdeshom@_ncsu.edu>
    AMD Athlon XP/1650       3303.01  Todd <matlabguru@_yahoo.com>
    AMD Athlon XP/1666       3322.67  T Hiekkalinna <tero.hiekkalinna@_helsinki.fi>
    AMD Athlon XP/1666       3322.67  Eric le Cam <ericlecam@_ifrance.com>
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    AMD Athlon XP/1740       3473.40  Dominic.Baines <dombaines@mmbq.demon.co.uk>
    AMD Athlon XP/1800       3643.80  Mike Bosschaert <mike.bosschaert@_hccnet.nl>
    AMD Athlon XP/1800       3643.80  Robert Urban <urban@_unix-beratung.de>
    AMD Athlon XP/1840       3651.46  Yves Bellefeuille <yan@_storm.ca>
    AMD Athlon 64/2000       3923.96  Sander Rijken <sr@_sander.yi.org>
    AMD Athlon 64/2000       3984.58  Jamie Campbell <osarid@_oracleatbelfry.com>
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    Centaur C6/200            397.31  McWilliam <hamishpmcwilliam@_netscape.net>
    Centaur C6-2/200          398.13  Paolo Cravero <cravero@_athena.polito.it>
    Centaur C6-2/240          478.41  Petr Slansky <slansky@_usa.net>

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    Centaur VIA Sam2/735     1461.45  Jim Jozwiak <av832@_lafn.org>
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Centaur VIA Exra/900    1789.13  Duke Robillard <duke@_dummy-io.com>
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3.10 Alpha systems

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21064/150 Jensen        149.49  J.L. Brothers <brothers@_halcyon.com>
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21064A/275 Cabriolet    271.58  Michal Jaegermann <michal@_phys.ualberta.ca>
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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@_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>
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    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>
    21164/500                 497.05   Heiner Kruener <hk@_martian.ping.de>
    21164/250 Sable           497.02   Tom Greene <cowgod@_idt.net>
    21164/500                 497.02   James D. Freels <freelsjd@_ornl.gov>
    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          494.88   Kenny Gryp <gryp@_dakin.be>
    21164A/500   PWS          497.02   Robert Harley <robert.harley@_inria.fr>
    21164A/500   PC164        497.02   Stephen Oberski <sfo@_deterministic.com>
    21164A/533   PC164LX      528.12   McWilliam <hamishpmcwilliam@_netscape.net>
    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/533   PC164LX      530.58   Stef. Boresch <stefan@_loop.mdy.univie.ac.at>
    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>
    21164A/666   PC164LX      662.70   Stephen S <smart73@_earthlink.net>
*   21164A/433   Miata        858.04   Jukka <nn@_inet.fi>

    21264/400 Pass-1          794.82   Jay Estabrook <jay.estabrook@_digital.com>
    21264/466 DS10            920.64   Paul Novarese <novarese@_alf.dec.com>
    21264/466 DS10            921.84   ST Wong <st-wong@_alumni.cuhk.net>
    21264/500 XP1000          996.00   Wes Bauske <wsb@_paralleldata.com>
    21264/500                 996.00   Karl <hawk@_juno.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>
    21264/600                1203.76   Darrick Wong <djwong@_thibs.menloschool.org>
    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>
    21264DP/833 Tsunami      1661.52   Andy Schofield <ajs@_th.ph.bham.ac.uk>
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3.11 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>
    68EC030/20 Cisco 2500     4.33    <koen.devleeschauwer@_lid.kviv.be>
    68030/20 MacII Si         4.88    Bill Maloy <maloy@_goldinc.com>
    68030/20 0c               4.92    Chris Nadigh <chrnadig@_iiic.ethz.ch>
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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>
68EC030/40 Cisco 4000     8.75   <koen.devleeschauwer@_lid.kviv.be>
68030/40 MacIIfx          9.90   Ray Knight <audilvr@_speakeasy.org>
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 Mac Centris         13.21  <pgrb-usenet@_ygdrasil.demon.co.uk>
68040/24 Mac LC475        16.38  Ray Knight <audilvr@_speakeasy.org>
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 <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    Mac Quadra650    22     Henry Garcia <compdata@_nb.net>
68040/33 Mac Quadra950    22.11  Ray Knight <audilvr@_speakeasy.org>
68040/33 Mac Quadra650    22.11  Schmitz <schmitz@_biophys.uni-duesseldorf.de>
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 2000       98.68  Frank Mainz <cybermainzel@_gmx.de>
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>

C8260/132                 287.85 Wil Moloughney <wil_moloughney@_hotmail.com>
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3.12 Sparc systems

```
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 SS10 sun4m         35.94  Michael Junek <mickey@_webfocus.net.au>
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>
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Sparc SS5               69.84   Richard D. Davis <rddavis1@_lucent.com>
Sparc SS50              74.95   Kaz <kaz@_latte.cafe.net>
Sparc SS5/85 sun4m      84.78   Kenny Gryp <gryp@_dakin.be>
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 I/143       285.08  Jason Hong <hong@_csulb.edu>
Sparc Ultra I sun4u     333.41  Roberto Giungato <roberto@_giungato.it>

Sparc Ultra II/270      539.03  Pieter Krul <pieter@_dare.demon.nl>
Sparc Ultra II/300      598.01  Silvo Bozovicar <silvo.bozovicar@_aster.si>
Sparc Ultra II/360      719.26  Bjorn Augustsson <d3august@_dtek.chalmers.se>
Sparc Ultra II/450      897.84  Darrick Wong <djwong@_thibs.menloschool.org>
Sparc Ultra IIe         1002.70 Elie De Brauwer <elie@_de-brauwer.be>
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3.13 PowerPC systems

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System                  BogoMips  Reporter
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 601/66 Mac7100   65.74   Kenny Gryp <gryp@_dakin.be>
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 601/90 Mac7200   89.50   Ian <ian@_neath.org>
PowerPC 601/100 Mac7500  98.91   Russ Hoffman <reh@_fore.com>
PowerPC 601/110 Mac8100  108     Charles Eicher <ceicher@_inav.net>
PowerPC 601/120 Mac8200  119.19  Roberto Waha <roberto.waha@_rcm.dsi.unimi.it>

PowerPC 603/200          11.39   Jan Toonen <jtoonen@_xs4all.nl>
PowerPC 603/300 SM5000   57.00   Brian J. Landsberger <brian@_landsberger.com>
PowerPC 603/100          66.56   A. Costa <c_chaos@_chaosnet.wahnapitae.on.ca>
PowerPC 603/200 PSII     133.12  Richard Heurtley <richard@_heurtley.com>
PowerPC 603ev/250        166.29  Stig Sørensen <stig@_aub.dk>

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 604/120 Mac8500  239.20  Jason Colflesh <jason.colflesh@_sap.com>
PowerPC 604/120 Mac8500  239.20  James <e5z8652@_mail.com>
PowerPC 604     Mac8500  239.21  Steve <sjs132@_psu.edu>
PowerPC 604/120 Mac8500  239.21  Jason Colflesh <jason.colflesh@_sap.com>
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/300         299     Guido Lehwalder <guido@_lehwalder.de>
PowerPC 604e/195         359.63  Mike Potts <pottsjam@_flyernet.udayton.edu>
PowerPC 604e/195         399.76  Griff Miller <griff.miller@_positron.com>
PowerPC 604/200 Mac8600  320     Julien Sebot <sebot@_lri.fr>
PowerPC 604e/170 PM7300  335.55  Marco van de Voort <marcov@_toad.stack.nl>
PowerPC 604/180 SM900    367.82  J.E. Cook <jcojones@_mail.athen1.ga.home.com>
PowerPC 604e/375 RS6000  373.56  Darrick Wong <djwong@_thibs.menloschool.org>
PowerPC 604e/199         398.13  Greg <gkv@_interflight.com>
PowerPC 604e/200 SM4000  399.12  Roland Kuhn <kuhn@_physik.uni-kassel.de>
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PowerPC 604e/200        399.76  Alan Galloway <alan@_alangalloway.com>

PowerPC 750/166         398.13  Greg <gkv@_interflight.com>
PowerPC 750             465.30  Scot Richardson <scotrich99@_hotmail.com>
PowerPC 750             465.31  Neal P Murphy <neal.p.murphy@_alum.wpi.edu>
PowerPC 750/266 Mac     532.48  Fritz Anderson <fritza@_tezcat.com>
PowerPC 750/195 Mac G3  583.27  <gustilo@_mail.med.upenn.edu>
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 750/333 iMac    665.19  Koyot <koyot@_alpha.pl>
PowerPC G4 350 Mac 400  697.96  Guillame Blain <blaingu@_iro.umontreal.ca>
PowerPC G3/350          697.96  Juergen Fricke <jofry@_web.de>
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 G4              797.90  P. Radermecker <pradermecker@_iquibec.com>
PowerPC 750/400 G3      801.18  Richard Petty <repetty@_austin.rr.com>
PowerPC 750/400 G3      801.18  Brian Kendig <brian@_enchanter.net>
PowerPC 750/400 G3      801.67  Schmitz <schmitz@_biophys.uni-duesseldorf.de>
PowerPC G4/500          992.87  K. Gustilo <gustilo@_mail.med.upenn.edu>
PowerPC G4/500          996.64  Heinz Nabielek <h.nabielek@_fz-juelich.de>
PowerPC G4/500          999.42  Stephen D. Scotti <sdscotti@_earthlink.net>
PowerPC G3/600         1170.31  McWilliam <hamishpmcwilliam@_netscape.net>
PowerPC 750cx/600 iMac 1198.00  Jan-Jaap Boor <jjboor@_mac.com>
PowerPC 750fx/700 G3   1389.36  Gurkan Sengun <gurkan@_linuks.mine.nu>
PowerPC 750fx/700 G3   1389.36  Keller <kkeller@_wombat.san-francisco.ca.us>
PowerPC G4/999         1992.29  Paula <canthavespam@_yahoo.com>
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3.14 Other CPU systems: Mips, Intel 8088/286 ELKS, IBM, Crusoe, PA–RISC, Hitachi SH, Arm and StrongArm, iDragon, Vax, CRIS Etrax, XScale

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System                 BogoMips  Reporter
Mips R3000A/20            19.79  Kagstrom <simon.kagstrom.864@_student.lu.se>
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@_julia.de>
Mips R5000/180 Indy     179.81  Bradley Bell <btb@_debian.org>
Mips R5900 PS2          392.39  Otto Slooten <otto.slooten@_planet.nl>
Mips R5900 PS2          392.40  Anders Hustvedt <corsec@_gamebox.net>

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 NEC V20/8            0.69  McWilliam <hamishpmcwilliam@_netscape.net>
ELKS Intel 286 Tandy      0.75  Joey Hess <joey@_kite.ml.org>
ELKS Intel 8086 NecV20/16 0.88  Vasilis Ventirozos <cyberpunk@_freemail.gr>
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 <joey@_kite.ml.org>

IBM S390 Gen4            75.16  J Scott <mrbinary@_yahoo.com>
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IBM S390 R46/500        412.05  Odilon Cirillo <odilon.cirillo@_eds.com>

Crusoe/400              725.81  Bill Rhodes <wrhodes@_27.org>
Crusoe                 1182.92  Michael Heiming <mh@_vbag.de>
Crusoe TM5800/1000     1985.74  Mathieu Bois <mathieu.bois@_laposte.net>

Atmel ARM                13.00  Stanley <jstedile@_hotmail.com>
CL7110/18 ARM710         17.05  McWilliam <hamishpmcwilliam@_netscape.net>
StrongARM-1110/206      137.21  Jon Ward <aardvark@_fnord.org.uk>
StrongARM-1110/206      137.21  Sander Fransen <sander@_fransen.com>
StrongARM-1110/206      137.21  Jan walter <jan@_millfilm.co.uk>
StrongARM-1110/206      137.21  W Stallwood <wayne@_crimsontechnology.com>

PA-Risc Gecko/60         59.80  Arthur Aldridge <aj@_yasashi.net>
PA-Risc 9000/160        319.48  Frank Ickstadt <frank.ickstadt@_btignite.de>
PA-Risc 7300LC/160      106.49  Peter Whysall <peter.whysall@_ntlworld.com>

Hitachi SH-4/200        199.47  Da Wrecka <da_wrecka@_blueyonder.co.uk>
iDragon/200             399.76  Princo <hoge@_hogehoge.cc>
Vax 3100-m38              5.41  Blaz Antonic <yint@_email.si>
CRIS Etrax Webcam        99.73  Pat Niemeyer <pat@_pat.net>
Intel XScale Sharp      397.31  John Davies <john.davies@_c24.biz>
```

3.15 Multi–CPU systems (SMP2, SMP4, others)

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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 Sparc 630MP         79.66  Daniel Aubry <daniel.aubry@_unibas.ch>
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>
SPM2 Sparc SS/50-40      90.11  Benjamin Appee <benjamin@_appee.de>
SMP2 Sparc SS/50         99.84  Dimitris Tsifakis <sv1det@_freemail.gr>
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 Sparc SM71/75      149.70  C Redmon <credmon@_utk.edu>
SMP2 Pentium/200        158.72  Ed Hoppitt <edward@_dcs.rhbnc.ac.uk>
SMP2 Pentium/200        158.92  Zeus <heyzeus@@_verios.net>
SMP2 Sparc RossHS/150   209.71  Nico Will <nicolas.will@_sbcglobal.net>
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>
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```
       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>
       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 21064A/275 AS2000    556.53  Jochen Gatternig <jochen@_gatternig.com>
       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.unipd.it>
       SMP2 Pentium II/333 ov    665.73  S. Curtarolo <auro@_spiro.fisica.unipd.it>
       SMP2 Pentium II/333       665.20  D.A. Sergatskov <dima@_cholla.phys.unm.edu>
       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 Pro/200      792.48  Eric P. McCoy <emccoy@_hamilton.edu>
   *   SMP2 Pentium Pro/200      792.98  David Ewan Kahana <dek@_bnl.gov>
   *   SMP2 Pentium Pro/200      793.80  Eric P. McCoy <ctr2sprt@_yahoo.com>
   *   SMP2 Pentium Pro/200      794.42  Dondo <yan@_seiner.com>
       SMP2 Pentium MMX/200      794.62  Kristian Koehntopp <kris@_koehntopp.de>
       SMP2 Pentium MMX/200      796.26  Eric Clark <eclark@_opencominc.com>
       SMP2 Pentium II/400       796.26  Michael Necaise <necaise@_jlab.org>
       SMP2 Celeron/400          796.26  Stuart Hall <stuarthall@_mailandnews.com>
       SMP2 Celeron/400          798.21  Stefan Onderka <nop@_gameart.com>
       SMP2 Pentium II/400       797.08  Mogens Kjaer <mk@_crc.dk>
       SMP2 PowerPW 604e/200     797.90  Tom <invalid@_charter.net>
       SMP2 Pentium II/400       800.20  Simon van Sleuwen <sleuwen@_hotmail.com>
       SMP2 Pentium II/400       800.36  <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 Celeron/450          894.57  Stephan Eisler <stephan@_lingo.gun.sub.org>
       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 II/450       901.12  Abhijit Menon-Sen <ams@_wiw.org>
       SMP2 Pentium II/466       925.70  A. Giachino <a.giachino@_ekkinc.com>
       SMP2 Pentium MMX/233      927.33  Jeff White <jwhite@_ghq.com>
       SMP2 Pentium III/500      996.14  Ola Samuelson <ola@_datalink.se>
       SMP2 Pentium III/500      996.15  Rob Green <mooncrow@_lava.net>
       SMP2 Celeron/500          999.42  Ingimar Rovertsson <iar@_skyrr.is>
       SMP2 Celeron/500          999.42  Rob Farrell <rpf@_speakeasy.net>
       SMP2 Pentium III/500      999.42  Douglas Osborn <daozb@_earthlink.net>
       SMP2 Pentium III/500      999.42  Greg M. Hebel <gregh@_twcny.rr.com>
       SMP2 Celeron/515 overc   1028.92  Ryan Werber <rwerber@_ctel.net>
   *   SMP2 Pentium II/266      1066.59  Jacques Rodary <jrodary@_free.fr>
       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 Pentium III/550     1101.00  Jean-David Beyer <jdbeyer@_exit109.com>
       SMP2 Pentium III/560     1117.39  Nathan Laredo <laredo@_gnu.org>
       SMP2 Celeron/563 overc   1120.00  Cecchinel Stephan <inter.zone@_free.fr>
       SMP2 Sparc USII/296      1182.92  Bill Maloy <maloy@_goldinc.com>
       SMP2 Celeron/606 overc   1207.50  Mattias Moberg <mattias.moberg@_home.se>
       SMP2 Pentium III/650     1300.88  Dan Kegel <dank@_alumni.caltech.edu>
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*   SMP2 Pentium II/400     1587.60  Bill Maloy <bill.maloy@_goldinc.com>
    SMP2 Itanium/800        1593.82  Cipriano Groenendal <cipri@_ezlinux.nl>
*   SMP2 Pentium II/450     1789.13  Steve Snyder <swsnyder@_home.com>
*   SMP2 Pentium III/450    1789.13  J Snowdon <john@_snowdon36.freeserver.co.uk>
    SMP2 PowerPC 7400/450   1789.63  Jake Goulding <shepmaster@_home.com>
*   SMP2 Celeron/466        1857.94  Dominic.Baines <dombaines@mmbq.demon.co.uk>
*   SMP2 Celeron/500        1998.84  Rob Farrell <rpf@_comcast.net>
    SMP2 Pentium III/1100   2194.23  Jean-David Beyer <jdbeyer@_exit109.com>
*   SMP2 Pentium III/550    2202.00  <ekk@_ekkinc.com>
*   SMP2 Pentium III/560    2238.05  David Yeung <dyeung@_ust.hk>
*   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    2992.90  George Hauser <hausergj@_pop.nwnexus.com>
*   SMP2 Pentium III/750    3001.55  Jesse Tie Ten Quee <tie@_mountlinux.com>
    SMP2 Pentium Pro/800    3181.77  NN <ulisses@_pusa.informat.uv.es>
*   SMP2 Pentium III/800    3188.33  Steve Bradtke <sjbradtke@_home.com>
*   SMP2 Pentium III/800    3201.43  Paul Skinner <skin@_skin.dhs.org>
*   SMP2 Pentium III/810    3234.20  Pietro Abate <abate@_students.cs.unibo.it>
    SMP2 EV67/833 UP2000    3324.17  Rob Harley <robert.harley@_inria.fr>
*   SMP2 Pentium III/850    3407.86  Michael Cohen <me@_ohdarn.net>
*   SMP2 Pentium III/866    3466.85  Tommy Johansen <tommy.johansen@_idemitsu.no>
*   SMP2 Pentium III/933    3742.10  Justin Baugh <baughj@_cs.rpi.edu>
    SMP2 PowerPC G4/1400    2831.15  Bill Maloy <bill.maloy@_goldinc.com>
*   SMP2 Pentium III/1000   3984.58  Kenny Gryp <gryp@_dakin.be>
*   SMP2 Pentium III/1000   3991.14  Guy Tel-Zur <tel-zur@_computer.org>
*   SMP2 Pentium III/1000   4004.25  Birko Bergt <byrko.bergt@_syntegra.com>
*   SPM2 Pentium III/1000   4010.80  Andy Vlassov <andreyv@_ece.ubc.ca>
*   SMP2 Pentium III/1133   4508.86  Umaid Rajpurohit <sunadm@_rediffmail.com>
*   SMP2 Pentium III/1133   4508.87  S Bozovicar <silvo.bozovicar@_hermes-plus.si>
*   SMP2 Pentium III/1133   4521.98  Ralf Buchwald <ralf@_iehk.rwth-aachen.de>
*   SMP2 Pentium III/1266   5052.81  Sandy Harris <sandy@_storm.ca>
*   SMP2 Athlon/1400        5590.21  Dominic.Baines <dombaines@mmbq.demon.co.uk>
*   SMP2 Athlon/1400        5590.22  Paul Skinner <skin@_skin.dhs.org>
*   SMP2 Athlon/1400        5590.22  Matthew Anderson <matt@_alameda-systems.com>
*   SMP2 Athlon/1400        5590.22  Pierre Vignéras <vigneras@_labri.fr>
*   SMP2 Athlon/1600        6442.18  Rick H. Wesson <wessorh@_ar.com>
    SMP2 Xeon/2000          7956.06  Dave Gilligan <g1ogy@_g1ogy.com>
    SMP2 Xeon/2800         11154.22  Paolo Cravero <paolo.cravero@_csi.it>
    SMP2 Xeon/3060         12202.80  Bill Maloy <bill.maloy@_goldinc.com>
    SMP2 Xeon/2000 ht      15925.22  Dave Gilligan <g1ogy@_g1ogy.com>
    SMP2 Xeon/2400 ht      19031.64  Vasilis Ventirozos <cyberpunk@_freemail.gr>
    SMP2 Xeon/2800 ht      22282.24  John Davies <john.davies@_c24.biz>
    SMP2 Xeon/3060 ht      24379.39  Brian Wheeler <bdwheele@_indiana.edu>


    SMP4 Sparc SM100/40      159.64  C Redmon <credmon@_utk.edu>
    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>
*   SMP4 Pentium/133        1064.14  Arthur Aldridge <monark@_aracnet.com>
*   SMP4 Pentium/200        1598.25  Arthur Aldridge <aj@_yasashi.net>
    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>
    SMP4 Alpha EV5/300      2393.60  Daniel Aubry <daniel.aubry@_sygroup.ch>
    SMP4 Itanium/800        3189.20  Bacsi Roland <broland@_mailbox.hu>
    SMP4 Itanium/995        5955.88  Holger Staab <holger.staab@_lhsystems.com>
    SMP4 Xeon/1500         11979.96  T Hiekkalinna <tero.hiekkalinna@_helsinki.fi>
    SMP4 Xeon/2400         19136.38  David Hubbard <dhubbard@_hostasaurus.com>
    SMP4 Xeon/2800         22321.54  Paolo Cravero <paolo.cravero@_csi.it>


    SMP8 Pentium III/500    3996.06  Richard Langis <rlangis@_primux.geekfest.net>
    SMP6 SunUltraII/336     4030.46  Daniel James <astac@_swbell.net>
    SMP14 SparcII           6927.16  Vassili Tchersky <vt@_bsdjeunz.org>
```

3.15 Multi–CPU systems (SMP2, SMP4, others)   34

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SMP31 EV67/731 Wildf. 46170.90  Peter Rival <frival@_zk3.dec.com>
SMP8 Xeon/1600        51052.50  Michael Heiming <michael@_heiming.de>
Myrinet144 PII/400    57684.96  <zumbusch@_iam.uni-bonn.de>
Beowulf102 PIII/1000 203862.30  Dan Kirkpatrick <dkirk@_physics.syr.edu>
```

3.16 Non–Linux systems (reference only)

```
System                   OS      BogoMips Reporter
Casio 9850g calculator   Casio   0.000027 <littlemanthegeek@_hotmail.com>
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>
Saturn/3.9 HP48S         none    0.196    <samuel.thibault@_ens-lyon.fr>
Saturn/7.8 HP48G         none    0.271    <samuel.thibault@_ens-lyon.fr>
Saturn/7.8 HP49G         none    0.321    <samuel.thibault@_ens-lyon.fr>
68000/8 Macintosh Classic MacOS  0.53     <jimmy@_typhoeus.dg.uoa.gr>
ARM9/75 HP49G+           none    1.335    <samuel.thibault@_ens-lyon.fr>
68020/20 Sun 3           SUNOS   2.0      <korpela@_ssl.berkeley.edu>
Intel 386SX/16           MSDOS   2.00     <hamishpmcwilliam@_netscape.net>
68EZ328/20 Palm Vx       PalmOS  2.53     <dv5a@_dc.uba.ar>
Microvax 3100-30         NetBSD  2.74     <goodman@_goodman.hu>
ARM ARM250/12            RISCOS  2.95     <hamishpmcwilliam@_netscape.net>
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>
Vaxstation 3100 M38      VAXVMS  4.66     <bdwheele@_indiana.edu>
68030/25 Macintosh IIci  NetBSD  5.62     <kirk-corey@_uiowa.edu>
AMD 386DX/40             MSDOS   8.03     <hamishpmcwilliam@_netscape.net>
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>
ARM ARM710/40            RISCOS  18.43    <hamishpmcwilliam@_netscape.net>
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>
Intel Pentium/100        Beos5   38.50    <hamishpmcwilliam@_netscape.net>
Intel Pentium/100        WinNT4  39.66    <hamishpmcwilliam@_netscape.net>
Intel Pentium/100        FreeBSD 40.32    <hamishpmcwilliam@_netscape.net>
Intel Pentium/100        MSDOS   40.71    <hamishpmcwilliam@_netscape.net>
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>
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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>
Centaur C6/200              WinNT4    77.00   <hamishpmcwilliam@_netscape.net>
Centaur C6/200              Win98     78.48   <hamishpmcwilliam@_netscape.net>
Centaur C6/200              MSDOS     78.79   <hamishpmcwilliam@_netscape.net>
Centaur C6/200              Win95     78.81   <hamishpmcwilliam@_netscape.net>
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.com>
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>
Intel Pentium MMX/166       Beos5     327.96  <hamishpmcwilliam@_netscape.net>
Intel Pentium MMX/166       Win98     328.36  <hamishpmcwilliam@_netscape.net>
Sparc Sun US1/170           Solaris   330     <spohr@_qmos.com>
Sparc Sun US1/167           Solaris   330     <jimmy@_typhoeus.dg.uoa.gr>
Intel Pentium MMX/166       WIN95     331.40  <hamishpmcwilliam@_netscape.net>
Sparc Ultra-1 sun4u         SUNOS     334.00  <chrisv@_allegria.com>
Intel Pentium MMX/166       MSDOS     336.93  <hamishpmcwilliam@_netscape.net>
Alpha 3000-600S             VMS       348.61  <metod.kozelj@_rzs-hm.si>
AMD Duron/750               BeOS5     372.05  <hamishpmcwilliam@_netscape.net>
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>
Intel Celeron/500           MSDOS     488.55  <hamishpmcwilliam@_netscape.net>
Intel Celeron/500           BeOS5     494.81  <hamishpmcwilliam@_netscape.net>
Intel Celeron/500           WinNT4    496.18  <hamishpmcwilliam@_netscape.net>
Alpha 21164A/533 PC164LX    NetBSD    531.55  <hamishpmcwilliam@_netscape.net>
Pentium II/350              Win2000   573.00  <benjy@_kateandbenjy.com>
Sparc US2/296 2cpu          SUNOS     596.00  <manu@_acm.org>
AMD Duron/750               MSDOS     723.78  <hamishpmcwilliam@_netscape.net>
AMD Duron/750               Win98     745.65  <hamishpmcwilliam@_netscape.net>
PowerPC G3/600              MacOSX    789.51  <hamishpmcwilliam@_netscape.net>
Intel Pentium III/800       Win98     795.36  <hamishpmcwilliam@_netscape.net>
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3.16 Non–Linux systems (reference only)   36

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Intel Pentium III/800       MSDOS    814.25   <hamishpmcwilliam@_netscape.net>
Intel Pentium III/866       MSDOS    849.65   <hamishpmcwilliam@_netscape.net>
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>
Pentium III/800             Win NT  2267.00   <benjy@_kateandbenjy.com>
Sequent NUMA-Q 32x P6/180   Dynix   3776.00   <omega@_sequent.com>
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4. **Signature**

Children growing up apparently get in scrams: The other day, Isolde went on a school trip and returned with a darkblack eye because she bumped into someone's elbow; Last weekend Roderick wants to jump out of the bathtub, and knocks his back hard into the faucet (ER visit needed for stitches), and today Daphne just trips in an apparently empty room and bangs her forehead on the corner of the wooden table (ER visit needed for glueing and piece a tape). I can't recall that I was that clumsy when little...

Met vriendelijke groeten, Wim 'Dad' van Dorst.

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Wim van Dorst, Clifton Scientific Text Services, tel/fax +31 355 242 319
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