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If you intend to compile PARI/GP from a source distribution, make sure the `GNU MP` and `GNU readline` libraries are already installed on your system. They are not mandatory but make the `gp` calculator respectively faster and more user-friendly. (See the **Extras** section for details.)

Note: some browsers will silently `gunzip` the downloaded files, and save the `.tar`, whose size and checksums will be different.

PARI/GP

You may also want to download some Optional Packages.

Source distributions

- **Stable** version: `pari-2.5.1.tar.gz`, 2655 KBy, Feb 6 18:30:21 2012
  md5sum: d267dd1be4839f209217c8fff615478e pari-2.5.1.tar.gz
  signature: `pari-2.5.1.tar.gz.asc`
  Changelog

Snapshots from our GIT server are also available, corresponding to the above versions with all current patches applied.

Self-installing binary distributions for Windows

Warning: I no longer have a Windows machine on which to build these reliably. The old packages remain and may or may not cooperate nicely with your own Windows machine (they don't with mines). For the time being, I am no longer able to update them, so the 2.5.* stable branch is not available in this form. Sorry. *Karim Belabas*.

- **Stable** version: `Pari-2-3-4.exe`, 6890 KBy, Jul 22 07:29:13 2008
  md5sum: 5410fba7d7f105e34bb69af42646481c Pari-2-3-4.exe
  README.win32 (includes 'galdata' package). See below to install 'elldata'.
- **Development** version: `Pari-2-4-2.exe`, 7224 KBy, Dec 23 19:32:16 2007
  md5sum: fc0420bd5c1b93c0b756d2f105311967 Pari-2-4-2.exe

Basic GP binary for Windows

This is a very basic GP binary, without online help, or any optional package (but they can be downloaded separately).

- **Stable** version: `gp-2-5-1.exe`, 4060 KBy, Feb 6 19:15:44 2012
  md5sum: 1a3b59ac9e4ee2d0ec2dc3004a4e1fb0 gp-2-5-1.exe
- **Development** version: This directory contains a very basic GP binary built daily from the current SVN source.

GP2C

The GP to C compiler translates GP scripts to PARI programs.

- Last version: `gp2c-0.0.7pl2.tar.gz`, 345 KBy, Feb 22 08:54:30 2012
  md5sum: 79ffcf459a48790e1d53eb3359f902a2 gp2c-0.0.7pl2.tar.gz
  signature: `gp2c-0.0.7pl2.tar.gz.asc`

Changelog

Extras

- The GNU readline library provides line editing under GP, an automatic context-dependent completion, and an editable history of commands.
- The GNU MP library can be used as a replacement for the native multiprecision kernel. It is rather faster than the native kernel (benchmarks).

- The PariEmacs package. Require PARI/GP-2.4.1 and up. GP can be run in an Emacs buffer, with all the obvious advantages if you are familiar with this editor. This package was developped alongside PARI/GP for a long time, and is currently still included in the *stable* version. It is now developped separately and, starting from 2.4.1, must be downloaded separately. (In particular, PARI/GP and PariEmacs may be upgraded independently.)

- perl (used by the `gphelp` script provides extended online help (full text from this manual) about functions and concepts, which can be used under GP or independently.

Archive

The complete PARI/GP archive with older versions is available via HTTP or FTP.