A Library of GP scripts

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http://pari.math.u-bordeaux.fr/
Project

Reorganize http://pari.math.u-bordeaux1.fr/Scripts/ so that

- visitors can find what they’re looking for
- we receive new contributions
- old contributions are kept safe and possibly improved / updated

The first step is to reorganize what we have:

- separate the scripts into small coherent, independant units,
- add a header to each script (first comment block) associating metadata to the script; in case a submission consists in several files, the “main” script (loading the others) contains the metadata,
- make script available through our git repository,
- every package is made available under the PARI/GP licence (GNU GPL v2+), and can be dual-licensed.
See the `bifactor` package. Mostly a GP comment in RFC822 format (multi-line entries are indented). It contains a `Package` block, supplied by the maintainer:

Package: package name
Description: short descriptive text
Authors:
    author1 (date, comment)
    author2 (date, comment)
    ...
Maintainer: email
Requires: package1, package2, ...
Files: file1, ...

The last two are optional. If `Maintainer` is empty, the package is orphaned.
Then one block for each public Function, supplied by the author:

Function:  name
Help:  short help text (?name)
Doc:  long help text (??name)

...  
...  

Example:  input
  %1 = output
Example:  input
  %2 = output

etc.

The Doc and Example fields are mandatory.
What then?

From a set of such packages (script code + metadata), we can generate

- webpage(s)
- GP description files
- actual GP scripts including `addhelp` statements

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