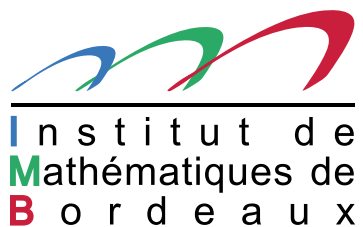

A Library of GP scripts

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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.

Format Suggestion (1/2)

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.

Format Suggestion (2/2)

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
- ...