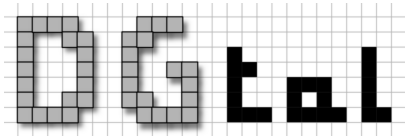

DGtal Project Management

http://liris.cnrs.fr/dgtal

David Coeurjolly

DGtal team

Editorial Board

- Overall project management (discussions, objectives)
- Prepares releases
- Organises DGtal meetings
- Board members are updated during DGtal meetings

David Coeurjolly, Jacques-Olivier Lachaud

Package Managers

- In-charge of the package design (main concepts, relationships with other packages. . .)
- Organise and check package contributions (aka modules)

Contributors

- Add new functionnalities to DGtal (classes+concept+test files+documentation) as a new module in a DGtal package

We'd love to also have doc readers, build checkers, testers,...

DGtal Projects

DGtal

Main library (classes + unit tests + example programs + documentation files)

DGtalTools

Command line tools built using DGtal (multigrid shape generators, contour analyzers, file format conversion,...)

DGtalScripts

Scripts and template files to generate new classes/unit tests files

How to submit a new feature ?

1. Contact the associated Package Managers (or the Editorial board)
   - to get help on the package design and on DGtal API
   - to interact with the package design if necessary
2. Prepare your module (classes+tests+doc) and submit your module as github “pull-request”
3. Available in the next release (at least, every 6 months)

For a new tool in DGtalTools, contact the DGtalTools project manager (cf web site)

DGtal help desk:

- DGtal devel mailing lists (cf web site)
- github pull-request/issue mechanisms when discussing on the code

DGtal folder structure $\Leftrightarrow$ Packages

- `arithmetic/`
- `base/` Tools (trace, timer, concept checking tools, basic functors...)
- `geometry/` Geometrical package
  - `curves/` algorithms/data structures on $1-d$ structures in dimension n
  - `surfaces/` algorithms/data structures on $(n-1)-d$ structures in dimension n
  - `volumes/` algorithms/data structures on $n-d$ structures in dimension n
  - `helpers/` ...
  - `tools/` ...
- `helpers/`
- `images/`
- `io/` IO Package
  - `boards/`
  - `viewers/`
  - `colormaps/`
  - `readers/` ...
  - `writers/` ...
- `kernel/` Kernel
  - `domains/`
  - `sets/`
- `math/`
- `shapes/`
- `topology/`

DGtalTools folder structure

`2dContourTools/` image to contour, ...

`estimators/` multigrid evaluation of DGtal estimator

`shapeGenerator/` generate multigrid shape

`voltools/` CLI tools to handle .vol files

`volumetric/` DT, connected component, homotopic thinner....

Idea

- Weaker structure compared to DGtal
- Tools focused on a specific analysis
- Good spot to test some ideas before promoting them to DGtal

Websites

<Demo website, github, cdash>

Conclusion

Get involved !!

- ⇒ Give us feedbacks (build issues, bugs, doc readers...)
- ⇒ Contribute with DGtalTools
- ⇒ Contribute with DGtal new features