# C/C++ libraries

This page contains links to C/C++ libraries I came across:

- vigra
- UDUNITS – units conversion utilities
- http://calumgrant.net/units/units.html
- PDF generation libraries:
    - http://www.jagpdf.org/
    - http://podofo.sourceforge.net/
    - http://libharu.org/wiki/Main_Page
- Minimal Perfect Hashing library : http://cmph.sourceforge.net/
- Libraries to support processing of BibTeX records:
    - http://home.no/sergiu/bibtex-spirit/
    - http://maverick.inria.fr/~Xavier.Decoret/resources/xdkbibtex/
    - http://www.gerg.ca/software/btOOL/
- HDF F5 fiber bundle I/O library https://www.ohloh.net/p/f5
- Tensor libraries:
    - http://code.google.com/p/ltensor/
    - http://tream.dreamhosters.com/tream/tensor
    - http://www.loria.fr/~huttaxel/tensor.html

## XML and C++

- http://stackoverflow.com/questions/9387610/what-xml-parser-should-i-use-in-c

## Numerical libraries

- http://users.ics.forth.gr/~lourakis/levmar/
- PLASMA http://icl.cs.utk.edu/plasma/index.html

### Isogeometric Analysis

- GISMO http://gs.jku.at/trac/gismo/wiki/WikiStart

## Template engines

- Grantlee
- http://projects.noscience.net/libtpt
- http://teng.sourceforge.net/
- http://code.google.com/p/qctemplate/
- http://ctpp.havoc.ru/en/whatis.html

## Mesh and geometry frameworks

- http://www.p4est.org/ p4est: Parallel AMR on Forests of Octrees
- FM (Field model) http://field-model.sourceforge.net/

## Visualization

- http://glvis.org/