

Computational Physics Lab

Auto-Doc Generation

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Automatic Documentation



A documentation system for C++, Java, and C...

- Generate on-line and off-line documentation
 - Output: HTML, RTF (MS-Word), PostScript, hyperlinked PDF, XML, and Unix man pages.
- Documentation extracted directly from the sources
- Can extract the code structure from undocumented source files

Doxygen Directives

- ◆ The comments in your code
 - ◆ `///
shortdescription`
 - ◆ `/**
detailed description
...
*/`
- ◆ Where?
 - ◆ Before
 - ◆ `class` definitions
 - ◆ `function` definitions
 - ◆ `data` declarations

Doxygen Configuration

- ◆ command line
 - ◆ `% doxygen -g <project_name>.dox`
 - ◆ Run doxygen in directory with source code
 - ◆ edit “<project_name>.dox” to tailor configuration
- ◆ Edit project.dox file and change:
 - ◆ `PROJECT_NAME` = IntegralCalculator
 - ◆ `EXTRACT_ALL` = YES
 - ◆ `SOURCE_BROWSER` = YES

Running Doxygen

doxygen project.dox

Doxygen will create a “html” directory with the html generated documentation

For more information see:

<http://www.doxygen.org>