Note for 2pt calculation with Chroma

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1 Chroma Installation

1.1 Download package

Download necessary packages for Installation from GitHub.

- Use "git clone –recursive . . . ", "recursive" means after the clone is created, initialize all submodules within, using their default settings.
- If the connection to the GitHub is not stable on the server, you are suggested to clone on your local machine, then use "scp" to upload.

Package list:

1. qmp
2. qio
3. qla
4. qdp
5. qopqdp
6. qdpxx

1.2 Configure and make

Configure and make in each folder of packages.

- The whole process can be divided into 7 parts (6 packages above and chroma), so that you can locate the errors conveniently.
- "export PATH=. . . :$PATH", makes environment variables available to other programs called from bash.
- "autoreconf -vi": used to update generated configuration files, "-v" means verbosely reporting processing, "-i" means copying missing auxiliary files.
- "./configure", you can use "./configure –help" to see the options
- "./autogen.sh"

2 Source code

2.1 Plug in packages

Users are allowed to write some plug in packages and register in the Chroma, so that those packages can be used.

2.2 Make

- Makefile
- make.sh

3 2pt calculation

3.1 Perl script

Used to print the .xml file as the input for Chroma.

3.2 Inline 2pt.cc