Jlab Simulation Package for Electron Cooling

About JSPEC

JSPEC is an open source C++ package for numerical simulations on the electron cooling process, including the intrabeam scattering (IBS) effect, developed at Jefferson Lab (JLab).

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How to compile

Compile using code blocks IDE

JSPEC is developed using the code blocks IDE. If you are using the same IDE, just open the project file "jspec.cbp" in the cbp folder and build it. Make sure you have a c++ compiler that supports C++11 standard.

Compile using cmake

Users can also use cmake to compile the files (tested in Ubuntu 16.06). In the project folder, run the following commands:

```
cd build
cmake ..
make
```

Acknowledgement

Authors of **BETACOOL**, we learned a lot from BETACOOL.

Authors of **muParser**, which is used in building the text-base UI.

Contact

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