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To: Julien Brillon julien.brillon@mail.mcgill.ca



Julien, here are the instructions from Brian.

I attached a zip file with I think all the basic files.

If I recall the process for the HDT cases was:

1. Run the included modified version of the box.for code from Paul's group
2. This generates a .fld file
3. Run converter.m to convert this .fld file into setup.dat which is in a format suitable for reading by the solver
4. Initialize the solver using this setup.dat file
5. Run the solver with the export equidistant files section turned on for output
6. Convert these equidistant files into the .fld format using converter_reverse.m, which averages the value for duplicated lobatto points
7. Use box.for again to convert these velocity components into the spectra

You can verify by running through this process and not advancing the solver in time that you get back whatever spectra you initialize with.

If you are just using this to get spectra for the TGV case then you will only need steps 5->7, since you don't need spectra to initialize the flow.

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example.zip