Nemo5 automatic documentation

Objective: to create interactive documentation system of Nemo5 entities

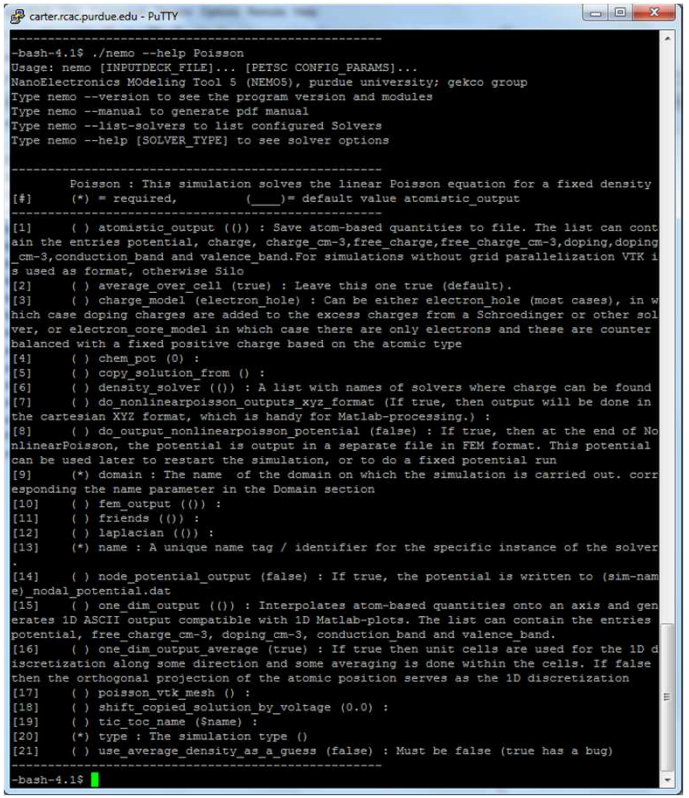
- Access available options of an entity
- Validate options on an inputdeck
- Generate an updated manual automatically

Approach:

[1] to develop an interface between developers and nemo5 entities options.

[2] to define a API to access information about available option and properties.

[3] to validate the correctness of and inputdeck on runtime.



Results:

- "./nemo --help #Solver" lists all available options for a specified solver, it shows a default value if it is not required and a description.
- "./nemo --list-solves" lists all available solvers.
- "./nemo --manual", generate an updated manual including all solvers and options registered [not available yet].

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