

**Progress on the GA/LLNL Project to Merge
and Modernize ONETWO and CORSICA**

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As part of the effort at General Atomics (GA) and Lawrence Livermore National Laboratory (LLNL) to improve all aspects of modeling and experimental data analysis related to DIII-D, and in preparation for participation in the National Transport Code (NTC) Initiative, GA and LLNL have started a collaboration to merge the capabilities of the CORSICA and ONETWO transport codes into a flexible, user-friendly code. The initial goal is to provide a programmable (steerable) front end for ONETWO and a graphical user interface which will generate the most common front-end scripts for either ONETWO or CORSICA (which is already steerable). This paper presents our progress on the GUI development and an automatic wrapper generation tool for the programmable front end, and gives illustrations of ONETWO operation with the programmable environment and GUI. In the longer term, the objectives of this collaboration will be met through the NTC, which will collect modules from throughout the community and develop a flexible framework which will facilitate their interconnection in traditional (*e.g.*, to recreate ONETWO) or novel ways.

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