

- Construct call interfaces for EFIT so that it can be called from within TRANSP, and reorganize code to facilitate this new mode of operation.
- Construct error handling and self-correction algorithms to withstand the inhospitable profile environment that TRANSP can present

TRANSP \Leftrightarrow EFIT interplay

- Time will be required to fully exercise the TRANSP-EFIT interface and work out the wrinkles.

We could proceed with these topics in such a way that PPPL and JET collaborate on the TRANSP-EFIT interface, with GA providing consultative support on EFIT equilibrium and coding issues.

A proposed timetable for the project might look like this:

1st & 2nd Quarters 1995

PPPL work on expanding TRANSP data structures and logic to accommodate free-boundary mode of operation; gain local expertise with EFIT.

JET work on subroutinization of EFIT and planning its interface to TRANSP.

3rd Quarter 1995

PPPL and JET collaborate on implementing the TRANSP-EFIT interface and debugging the code.

We should also propose to management that funds be made available for short term and long term travel, so that periodic exchange visits could be arranged to facilitate achieving the objectives of the program.

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