

PIES Improvements and Plans

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Improvements to PIES

- F90 version of PIES has been debugged and is operational on dec_alphas and killeen. A bug in the calculation of the out of phase island width was found and corrected.

- PIES has been put under CVS and is available to all to add improvements as the need arises. Changes can be made independently of other developers. When changes are completed and deemed useful to other they can be committed.

Plans for PIES

- Comparison of PIES code with HINT code.
- Speed up Stuart's island edge calculation.
- Port to Hecate and SX5.
- Test convergence of free boundary version.
- Movable radial grid.
- Do convergence studies in terms of number of poloidal, toroidal harmonics and radial zones.
- Consider issues of uniqueness of solution.