

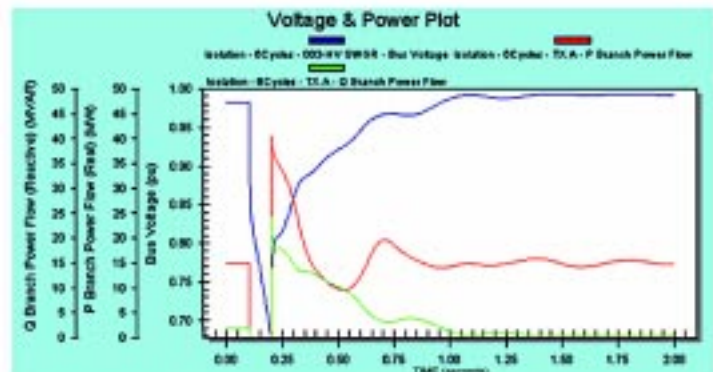
PTW I*SIM

Transient Stability Analysis

PTW I*SIM is a program for transient stability analysis. It is designed to simulate system response during and after transient disturbances such as faults, load changes, switching, motor starting, loss of utility, loss of generation, loss of excitation, and blocked governor events. I*SIM is designed to study today's most challenging simulation problems in one convenient and easy-to-use program.

Benefits

- Design safer and more reliable generation and co-generation systems.
- Save time with graphical entry and display.
- Save time by running multiple case scenarios from a single action.
- Communicate designs more easily with professional reports and graphs.
- Evaluate alternatives quickly and easily to establish an optimal design.

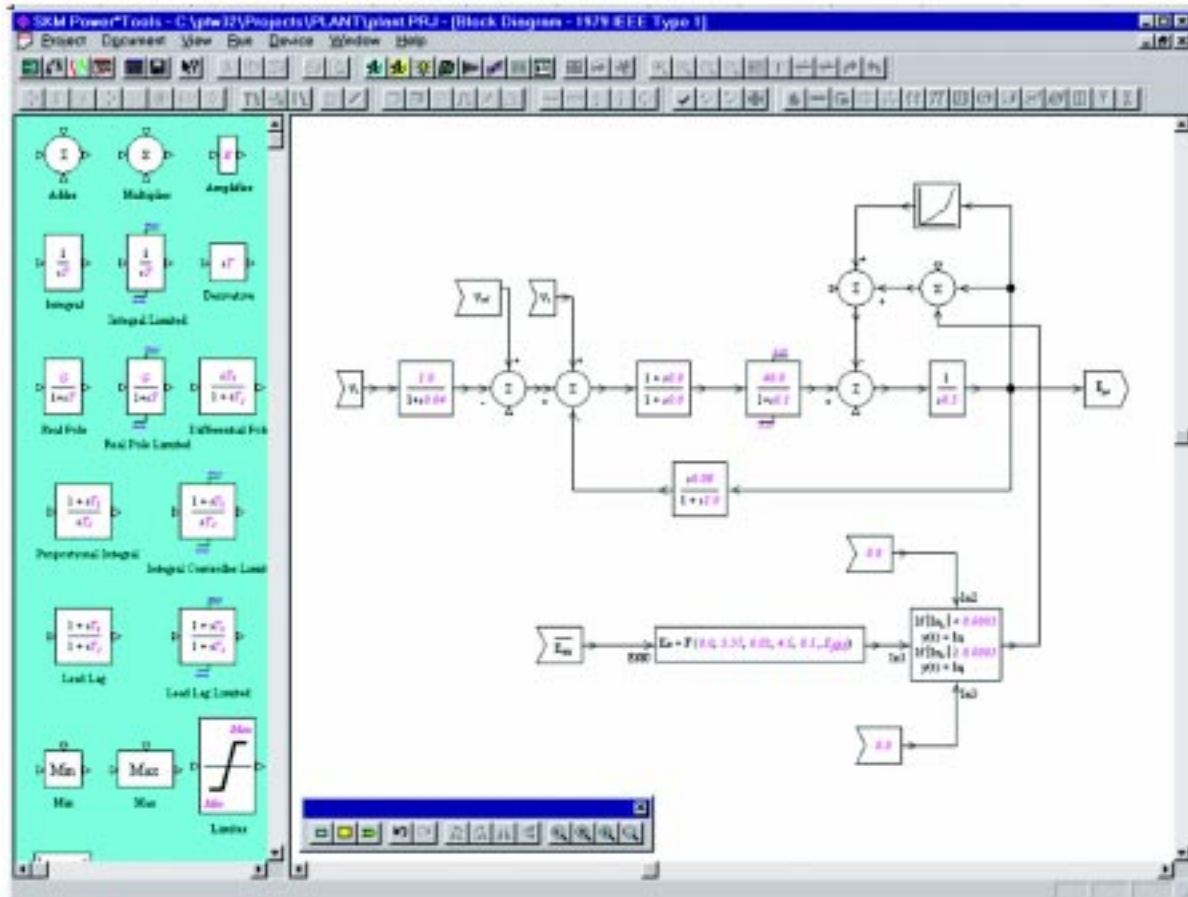


Interface Options

- Graphical interface for system design, model selection and study results.
- Stores multiple study revisions for each project.
- Expanding tree structure to manage project revisions.
- Input data and output results saved for each study.
- Copy, paste and rename study revisions to compare alternative designs.
- Run studies for multiple study revisions as a single action.
- Compare results from multiple scenarios on the same graph.
- Graphs are automatically saved with the project for future reference.

Custom Models in User-Defined Library

- Choose from over 100 industry standard models for governors, exciters and power system stabilizer units or build your own custom models.
- Graphical drag and drop interface for building custom control block models.



Analysis Options

- Dynamic response to power system disturbances.
- Flex-level representation of all machines including induction motors.
- Full dynamic representation of independent power systems (no infinite bus required).
- Simulate fault conditions and fault clearing
- Start, trip and reclose on induction motors.
- Integrated motor parameter estimation for flux-level model.
- Frequency dependent system modeling.
- Control event sequence with adjustable relay settings.
- Simulate load shedding, isolation from utility, loss of excitation, blocked governor, line switching, block load changes, motor starting, and fault conditions.