



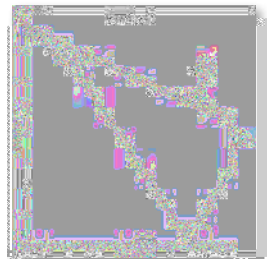
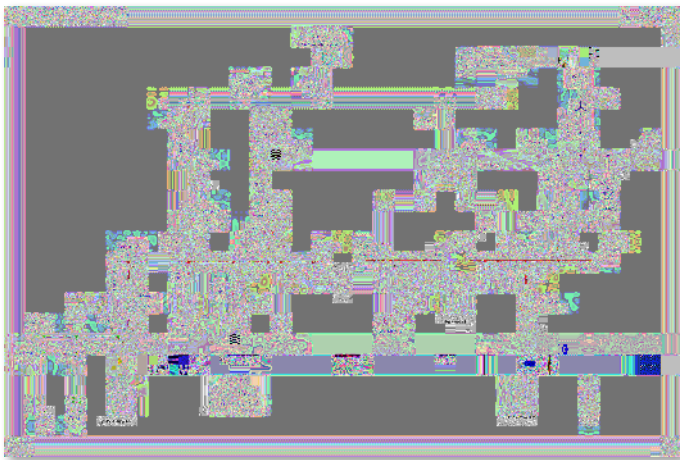
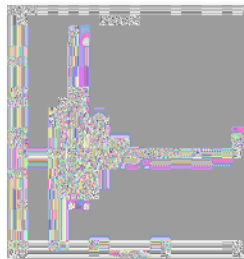
Dynamics & Transients Analysis

Simulate sequence-of-events, actions, and disturbances to evaluate system stability and transients by utilizing accurate power system dynamic models with complex machine control block diagrams and systems.

EMTDC

Perform, fast bus transfer, motor dynamic acceleration/re-acceleration, critical fault clearing time, load shedding studies and more.

- Typical & common disturbances & operations actions
- Transient simulation action for various fault types
- Simulate split system & combine multiple subsystems
- Automatic relay actions per settings & system dynamics
- Auto-sync-check action
- Transformer inrush simulation



eMT

eMT™ - A dedicated Electromagnetic Transient Program for simulation and analysis of power system transients.

- Switching transients & surges
- Insulation coordination
- Lightning surges & protection
- Torsional stress & sub-synchronous oscillations
- Transient Recovery Voltage studies
- FACTS & electronic converters

eMTCoSim™ - Co-simulation of Electromagnetic and Phasor domains

- Hybrid simulation of Transient Stability & eMT
- Simulate large network sections with high-fidelity
- Co-simulate at msec & μ sec time steps
- Analyze coupling between phasor & EMT domain
- Live Plots for Transient Stability & EMT simulation
- Automatic Network & Components Mapping to eMT



EMTDC

Analyze cold-state starting of generators under normal and emergency conditions using full frequency-dependent machine and network models.

- Cold-state generator starting
- Load generators prior to synchronous speed
- Frequency-dependent machine & network models

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