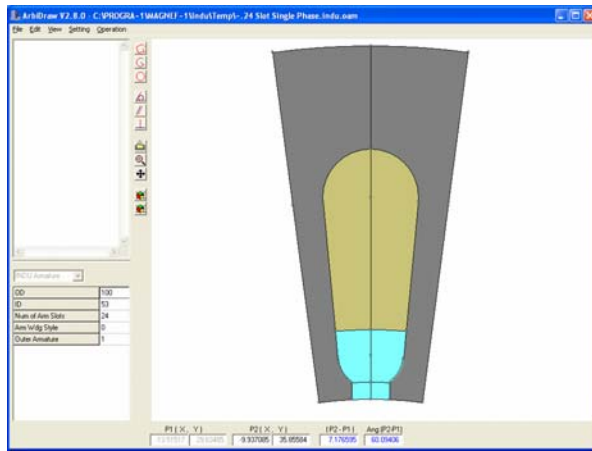


Efficient, Induction Motor Design Tool

Indu is an efficient induction motor design environment capable of simulating the entire torque speed characteristic. Its direct solver method can accurately predict transient performance and parameters. The design process begins by choosing from a large library of parameterized slot modules or by drawing from scratch. Once the geometry is set, materials are selected and windings are added by completing a simple table.

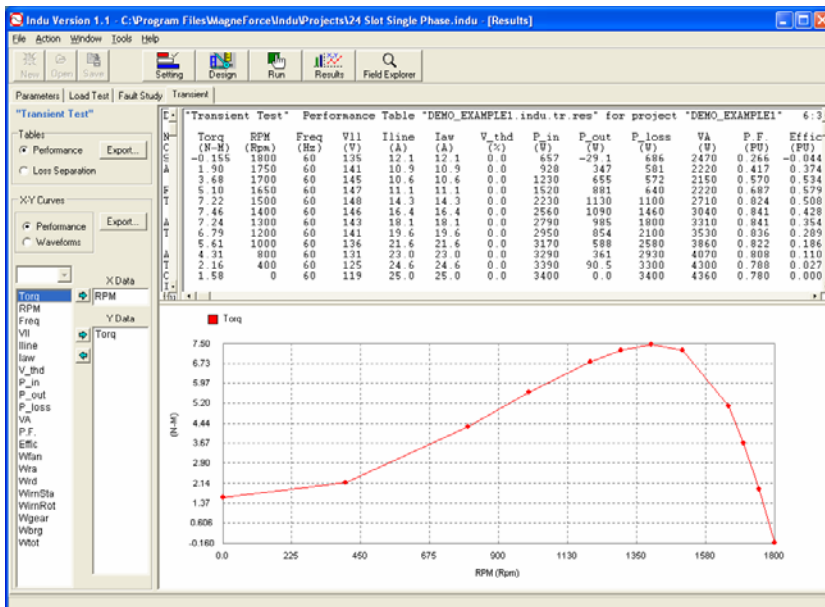
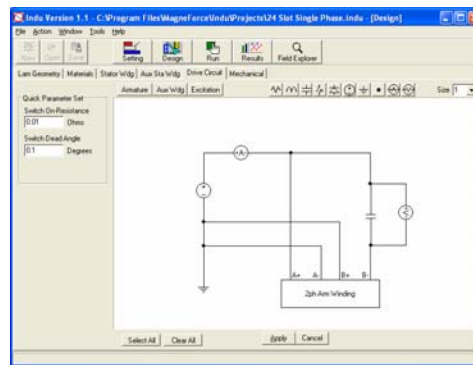
Using Indu's built in schematic capture the designer next describes the inverter or excitation circuitry. Operation of the entire design including motor and electronics is then simulated using one of three solver methods. Magnetic parameters are calculated using the Finite Element Method. Indu can simulate single and multi-phase designs.

Full parameterized output is provided without any additional processing. Output ranges from machine currents, inductances, voltages, torques as well as flux density and iron loss parameters.



Major Features

- Built-In Schematic Capture
- Parameterized or Flexible Geometry Input
- No Pre or Post Processing
- Easy Winding Input
- Flux Density Distribution
- Iron Loss Calculation
- All Machine Voltage and Current Waveforms
- Machine Power & Efficiency
- Torque



INDU

Version 1.1

Multiple Solvers

- Coupled Finite Element - Time Domain Circuit Model (future)
- Direct Solver for Transient Calculation
- Data Links to Other Popular Circuit Simulators (future)

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