

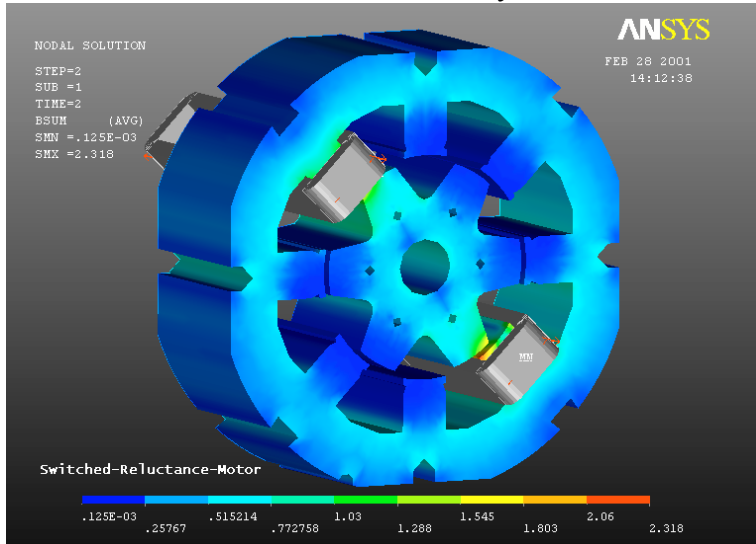
# Caspoc

Fast and Easy Power Electronics and Electrical Drives Simulation

## Data-Exchange and FEM Co-Simulation

Get more from your electric drive simulations, by using detail models for your electric motors. Caspoc couples with various FEM packages.

### Switched Reluctance Machine in Ansys



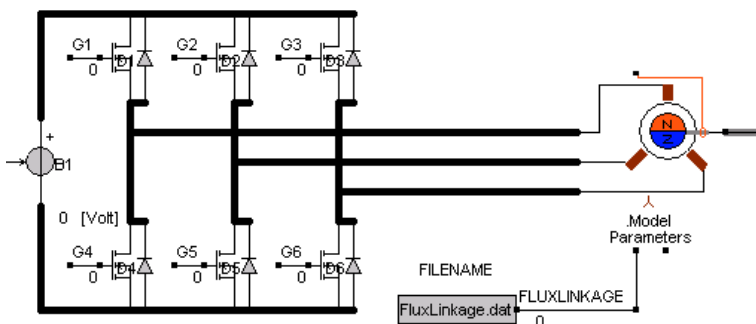
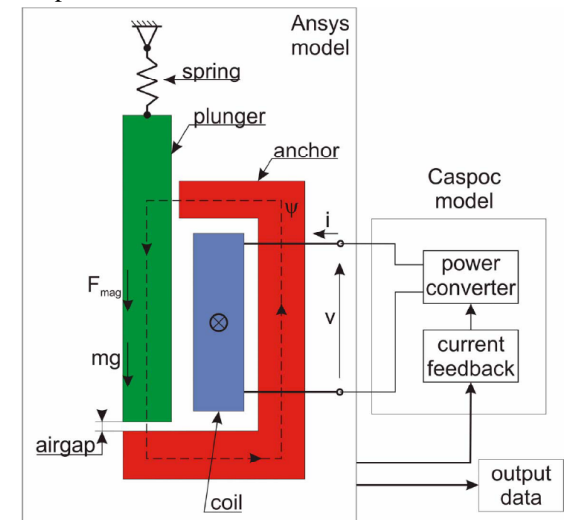
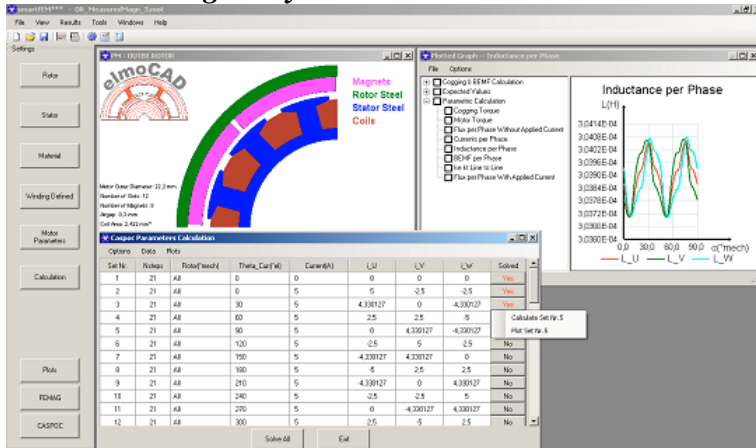
### Features:

- True Co-Simulation for complex electrical machines and linear actuators
- Included eddy currents and losses in the co-simulation
- Optimize your control with non-linear machine models parameterized from FEM models
- Static parameters, look-up tables and transient co-simulation
- Co-Simulation and data exchange with famous FEM software gives you the power to any new type of electrical machine.

### Linear Actuator Co-Simulation

The linear actuator is modeled in Ansys and via a co-simulation controlled in Caspoc. The mechanical system can either be modeled in Ansys using a FEM and/or Multibody Kinetics model for the mechanical system, or a basic mechanical model is constructed in Caspoc

### Permanent Magnet Synchronous Machine in SmartFem



Coupling of the machine data to the machine model in the drive simulation in Caspoc.

Summarizing,  
get accurate results from Ansys and SmartFem for any type of electrical machine quick and easy.