Electromagnetic Proposal

The following variable names are proposed:

Voltage

ElectricFieldX

ElectricFieldY

ElectricFieldZ

MagneticFieldX

MagneticFieldY

MagneticFieldZ

CurrentDensityX

CurrentDensity Y

Current Density 1

CurrentDensityZ

ElectricConductivity

LorenzForceX

LorenzForceY

LorenzForceZ

JouleHeating

The following freestream variable names are proposed:

Sigma

The following nodes under the FlowEquationSet t node are proposed:

Name: ElectricFieldModel

Label: EMModel t

Cardinallity: 0,1 Ndims: 1

Dimensions: LenghtofString

Data: 'Voltage', 'Interpolated', 'Constant', 'Frozen'

Name: MagneticFieldModel

Label: EMModel t

Cardinallity: 0,1 Ndims: 1

Dimensions: LenghtofString

Data: 'Interpolated', 'Constant', 'Frozen'

Name: ConductivityModel

Label: EMModel t

Cardinallity: 0,1 Ndims: 1

Dimensions: LenghtofString

Data: 'Constant', 'Frozen', 'Equilaibrium-LinRessler', 'Chemisty-LinRessler'