CST EMS 교육

CST EMS를 이용한 Full 3D Low Frequency & Static 해석실습

일시 : 2018년 7월 10일(화) | 장소 : 경기도 분당 'CST 한국지사'

교육 프로그램

시간	교육내용
09:30~10:30	Introduction of CST products and Applications
10:30~12:00	Built-In Help Mechanisms Basic and Advanced Modeling Shortcut Icon, View Option, Primitives, Pick Point, Working Coordinate System, Boolean Operations, Basic Modeling, Curve Modeling Tools, Blend and Chamfer, Edges, Loft, Shell Solid or Thicken Sheet, Rotate and Extrude Operation, Transform, operation, Slice by UV Plane, Align Object, Bend Sheet, Coil Modeling
12:00~13:00	Lunch
13:00~14:00	Workflow Example 1 : Touch Screen Sensor (E-Static solver) ▪ Modeling, Simulation Setting Templates, CAD Data Import, Lumped Element(C) Edit History List, Edit Macro, Materials Properties, Boundary Condition, Global Mesh Properties, Local Mesh Properties. ▪ Source and Solver Overview Electric Potential, Charge, Charge Distribution, Capacitance Calculation Electrostatics Solver ▪ Result Overview E, D Field, Potential, Electric Energy Density, Capacitance Matrix, Electric Field Energy, Charge Value, Force Calculation, Coupled Simulation with Mechanic Solver from CST MPS. ▪ Parameter sweep and optimizer
14:00~15:30	Workflow Example 2 : Linear Actuator and Inductive Sensor (M-static, LF Solver) ▪ Modeling, Simulation Setting Nonlinear, Laminate Material, Lumped Element(M-static : L , LF : R,L,C) ▪ Source and Solver Overview - Permanent Magnet, Coil, Current Path, Voltage Path, Magnetic Source Field, Magnetos-atics Solver, Low Frequency Domain Solver, Low Frequency Time Domain Solver ▪ Result Overview - M-Static : B,H Field, Source Current Density, Magnetic Energy Density, Inductance Matrix, Flux Linkages, Magnetic Field Energy - LF : D,E,B,H Field, Conductance Current Density, Total Current Density, Magnetic Energy Density, Electric Loss Density, Low Frequency Energy, Low Frequency Loss ▪ Templates Based Postprocessing - Force Calculation, Thermal Loss Calculation - Coupled Simulation from CST MPS
15:30~17:00	Workflow Example 3 : Circuit Breaker (J-static) ▪ Modeling, Simulation Setting Current Port, Stationary Current Solver ▪ Result Overview - Potential, E Field, Conduction Current Density, E-Loss Density, Loss Power, Thermal Loss Calculation - Coupled Simulation with Thermal Solver from CST MPS.

상기 일정은 변경될 수 있습니다.

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