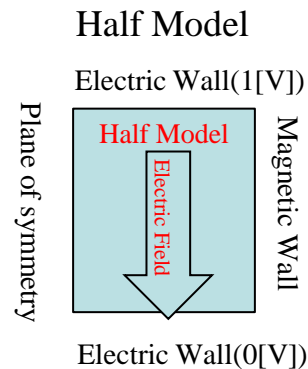
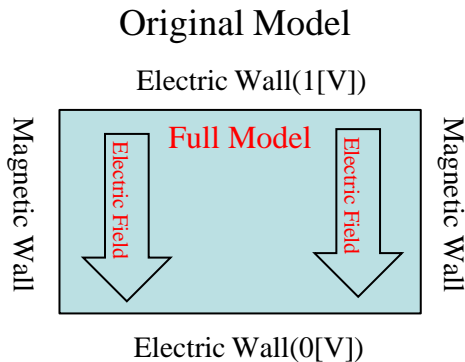


Question 5

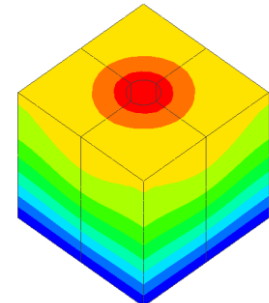
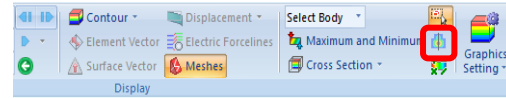
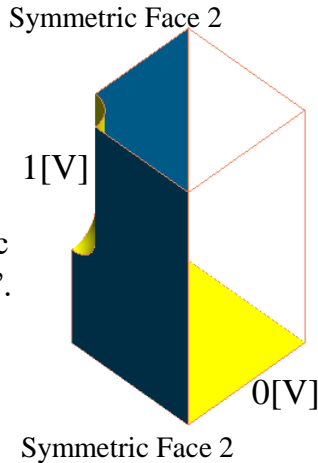
Q: What boundary condition can be set at the cutting plane of a symmetric model?

A: If the model is symmetric, the reflective boundary condition can be set to the symmetric face to change the model to the half or quarter model for less computation load. In electric analysis, the symmetric face is treated as a magnetic wall in computation.

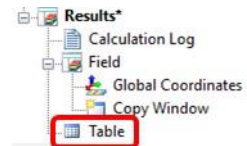
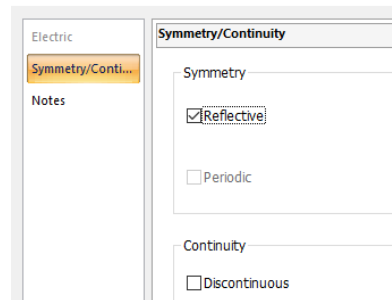


Additional Information

1. This example uses a quarter model for computation. Set individual reflective boundary conditions to the cutting planes. The respective boundary condition names are “Symmetric Face 1” and “Symmetric Face 2”.
2. When [Full Model] is selected, the result for the entire model will be generated based on the result of the partial model created using symmetry.
3. The resulting capacitance becomes one-fourth for a quarter model and one-half for a half model. The capacitance must be multiplied by 4 for the quarter model and 2 for the half model to estimate the total capacitance.



Edit Boundary Condition [V0]



Table

Voltage [V]	Capacitance [F]	FEM Info
		Value
Electrode 1		Electrode1
Electrode 2		Electrode2
C1-2	1.624e-13	