Q: How to set a symmetric model?
A: If a target model has a half, quarter, or $1 / 8$ symmetry in the deformation or electric field direction, create a half, quarter, or /18 model and set reflective boundary conditions to the cutting portions, resulting in fewer meshes and less computation load.

By clicking [Full Model] on the [Results] tab, you can view the results of the whole model. However, the result table displays values, such as admittance, that are calculated over the symmetric model.
For instance, if the model is a quarter mode, the calculated admittance is one-fourth admittance of the whole model.

Please refer to the next slides.

## Additional Information

## Symmetric model

- If a target model has a half, quarter, or $1 / 8$ symmetry in the deformation or electric field direction, create a half, quarter, or /18 model and set reflective boundary conditions to the cutting portions, resulting in fewer meshes and less computation load.
- On the right diagram, the reflective boundary conditions are set as follows:
Sym1 is applied to the cross-sectional portion in the Y dire tion.
Sym2 is applied to the cross-sectional portion in the X plirection.


Please refer to the example on the help menu below for more information.

Home >Examples>Piezoelectric Analysis [Rayleigh]>Example 2:
Harmonic Analysis

## Additional Information

## Result Display of Symmetric Model

- By clicking [Full Model] on the
[Results] tab, you can view the results of the whole model.
- The result table displays values, such as admittance, that are calculated over the symmetric model. For instance, if the model is a quarter mode, the calculated admittance is one-fourth admittance of the whole model.

Table
Admittance $\mid$ Impedance $\mid$ Charge [Cl| Current [A]| FEM Info|


[Symmetric Model]
[Full Model]


