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FE model for the loosely-support method in impedance tube measurement

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In impedance tube measurement, the sound absorption coefficient measurement result may change due to contact between the sample and the tube wall. A loose support method has been developed in which the sample does not contact the tube wall. The effect of the gap between the sample and the tube wall and the sample diameter was calculated using a finite element model. This time, we will introduce the calculation results of fiber material (glass wool) using JCA model and urethane foam using Biot model.