

研究室名	<b>黒沢研究室 学会発表</b>
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演題名	Acoustic Analysis for the Speaker Cover of Automobile
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内容	<p>Generally, a mesh cover is attached to the front of the speaker to protect the speaker. It was confirmed by an experiment that the sound pressure changes depending on the distance between the speaker and the cover, the thickness of the cover and so forth. I introduce the result that calculated this phenomenon using FE model. The influence of the cover was confirmed that below a certain frequency, the sound pressure is increased by the resonance phenomena and sound pressure is reduced by the sound insulation effect in the frequency range above that. Similar results were obtained when the thickness of the cover was changed. We also report the calculation results when the hole diameter is changed and when the distance between the cover and the air is changed.</p>