



Hello, everyone.

I have a problem that I don't really know.

I'm trying to evaluate the absorption coefficient for perforated panel into impedance tube. So, I made some simulation of cylinder impedance tube to computer the absorption coefficient.

And, I confirmed that the theoretical and experimental results match very well.

The fundamental Frequency of COMSOL is consistent with the frequency of the theory and experiment.

However, the amplitude of COMSOL is lower than the amplitude of theory.

It can be possible to solve this problem by increasing the pressure amplitude but it work the problem get back.

Does someone can help me what is missing?

Thank you in advance.

Hwa Young-Song