## **Editor's Comment:**

The field presented in this work concerns the transmission of sound. The authors present simulation results in relation with the soundproofing through three layers, according to the characteristics of the environment, where these layers are placed (thickness, sound orientation, thickness of air space, ..).

The theme is very interesting, it aims to minimize the harmful effects of sound in homes nowadays. I think the authors need to value paper and work, and I propose:

- Introduction: clearly specify the applications that are involved by this work,
- Paragraph 2: specify the contribution of the authors in the proposed equations,
- Paragraph 3:
- In the simulation results, discuss their experimental validity, compared to the literature,
- Discuss the added value of this work,
- Discuss which applications are affected by the 5 db enhancements.
- References: add recent references.

## **Editor's Details:**

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