

## Stage Acoustics For The Symphony Orchestra And A Case Study: Bilkent Concert Hall

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### ABSTRACT

The studies have proved that the acoustic comfort conditions of the stage should be fine-tuned for the musicians of symphony orchestras. In fact, throughout the history, the sizes and positioning of stages in concert halls have been configured considering symphony orchestras. However, despite of this fact, the data that are used in comparative analyses considering the conditions of acoustic comfort appear as a deficiency in the studies on stage acoustic. Studies in the field of stage acoustics cannot be concluded completely due to the fact that there are limited studies that can be compared with each other. Therefore, every study is very important and valuable for providing additional data to this area. The aim of this study is to reveal how musicians are affected by the acoustic comfort conditions of the stage and what would be the proper stage design criteria. The study discusses the relationships between the subjective and the objective parameters of Bilkent Concert Hall which is experienced by the musicians.

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