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Acoustics of new and renovated Russian opera houses: Decade
1998-2007

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Four new opera houses have been built in Russia and two existing opera houses have been fully renovated during the last 10 years. New chairs were installed and new materials were used on the inner surfaces of the renovated theatres. All the opera houses are not very large and the biggest one has 1200 seats. The plan of the two theatres has a horse-shoe form that is typical for old classic opera houses. The other three theatres have plans which are close to rectangular and one renovated theatre has a semicircular form of the back walls behind the stalls and the large balcony. The subject of the presentation is the acoustic design of these theatres. The results of the acoustic measurements which have been done in the halls are going to be discussed as well. Acoustics of the recently opened fully renovated Moscow academic musical theatre for 1100 seats is going to be presented in a more substantial way.