

**CFADAGA2004/244**

## **Psychoacoustical Analysis in Practical Use for Evaluation of Musical Instruments**

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Objektiv evaluation of musical instruments is mainly based on properties of the transferfunction. From this function parameters are extracted which indicate acoustical properties. So a comparison of instruments becomes very simple. Only a subjectiv assessment of instruments, concerning acoustical properties, leads to the appropriate significance of objektiv acoustical parameters. Therefore the parameters are scaled by the ear-relatet properties and perception. Predicted soundproperies derived from the transferfunction are not allways reliable. Instruments for instance Tongue-instruments, which do not allow to measure the transferfunction, are evaluated using the instrument sound. This contribution will present some impressions about the useof psychoacoustic methods to evalutate musical instruments based on some examples.

*The complete document was not available at the publication time. It has been replaced by the submitted abstract.*