

# **A new hearing model approach to tonality**

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**The perception and evaluation of sound events is significantly influenced by prominent tonal sound components. The psychoacoustic parameter tonality was introduced in order to quantify the perception of tonal content. However, existing methods for tonality calculation show problems when applied to technical sounds. This article presents a new approach to tonality calculation with the help of a hearing model. In accordance with recent research results, the calculation of tonality is therein performed upon the basis of the partial loudness of tonal content.**

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