

MIREX 2008 AUDIO CLASSIFICATION TASKS

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ABSTRACT

Comparative evaluation of the performance of algorithms on a number of music audio content classification tasks will be conducted as part of the Music Information Retrieval Evaluation eXchange 2008 (MIREX2008), including genre classification, artist identification and tag classification. Due to copyright restrictions, comparative evaluation of audio music classification algorithms is difficult. Hence, the International Music Information Retrieval Systems Evaluation Laboratory (IMIRSEL) hosts the annual MIREX evaluations in order to provide a single location at which the participating systems are evaluated against a common test corpora and experiment design.

Evaluation of genre classification and artist identification algorithms has previously been conducted at ISMIR 2004, MIREX 2005 and MIREX 2007. However, MIREX2008 will host the first large scale, open evaluation of music tag classification algorithms. This poster provides an overview of each of the audio classification tasks at MIREX2008, a description of the participating systems and details the techniques used to evaluate the performance of the participating algorithms.

MIREX provides a rigorous and standardised evaluation framework for each of these classification tasks. At MIREX 2008 this will include testing of the statistical significance of any observed differences in performance using techniques specifically selected to suit each experiment and indications of possible groupings of algorithms with equivalent performance. The experiment design and related evaluation software will be made available to the MIR community in order to assist researchers in establishing fair comparative evaluation in their own experiments.