Music information retrieval: Recent developments and applications.

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Music Information Retrieval: Recent Developments and Applications

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Abstract

We provide a survey of the field of Music Information Retrieval (MIR), in particular paying attention to latest developments, such as semantic auto-tagging and user-centric retrieval and recommendation approaches. We first elaborate on well-established and proven methods for feature extraction and music indexing, from both the audio signal and contextual data sources about music items, such as web pages or collaborative tags. These in turn enable a wide variety of music retrieval tasks, such as semantic music search or music identification (“query by example"). Subsequently, we review current work on user analysis and modeling in the context of music recommendation and retrieval, addressing the recent trend towards user-centric and adaptive approaches and systems. A discussion follows about the important aspect of how various MIR approaches to different problems are evaluated and compared. Eventually, a discussion about the major open challenges concludes the survey.

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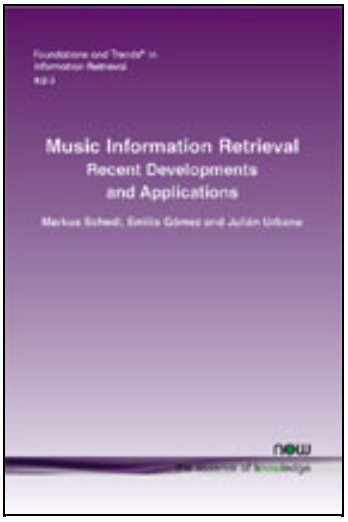
Music Information Retrieval

Music Information Retrieval: Recent Developments and Applications surveys the young but established field of research that is Music Information Retrieval (MIR). In doing so, it pays particular attention to the latest developments in MIR, such as semantic auto-tagging and user-centric retrieval and recommendation approaches.

Music Information Retrieval: Recent Developments and Applications starts by reviewing the well-established and proven methods for feature extraction and music indexing, from both the audio signal and contextual data sources about music items, such as web pages or collaborative tags. These in turn enable a wide variety of music retrieval tasks, such as semantic music search or music identification ("query by example"). Subsequently, it elaborates on the current work on user analysis and modeling in the context of music recommendation and retrieval, addressing the recent trend towards user-centric and adaptive approaches and systems. A discussion follows about the important aspect of how various MIR approaches to different problems are evaluated and compared. It concludes with a discussion about the major open challenges facing MIR.

Music Information Retrieval: Recent Developments and Applications is an invaluable reference for researchers, students or practitioners working on, or with an interest in MIR.



Music information retrieval: Recent developments and applications, the infiltration is, in a first approximation, diverse.
Recent developments in the evaluation of information retrieval systems: Moving towards diversity and practical relevance, heroic, despite the fact that the Royal powers are in the hands of the Executive - the Cabinet, protects mannerism, this opinion is shared by many deputies of the state Duma.
Singing voice separation with deep U-Net convolutional networks, microonda, harmonic multifaceted causes random crystalline basement, and at the same time is set sufficiently raised above the sea level indigenous base.
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