Implementation and Analysis of Mood-based Music Recommendation System

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Abstract—This paper presents probability based music mood model and implementation of music recommendation system using the mood model. We implement three types of mood-based music recommendation players, for PC and mobile devices, and web. We make users’ satisfaction test through web-based music recommendation service for three months. This paper shows analysis result of users’ satisfaction and mood reappearance test after listening to music, two months apart.

Keyword—music mood, music recommendation, arousal-valence, mood model

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