

Computation and Visualization of Subjective Artist Similarity for Music Libraries on Android Devices

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Abstract. Abstract goes here.

Keywords: subjective artist similarity, multi-dimensional scaling, audio analysis

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1 Introduction

2 Related Work

2.1 Features of Digitally Stored Music

Audio Features (<http://bit.ly/bY30GO>) Lyrics (<http://bit.ly/bY30GO>)

2.2 Artist Similarity

Subjective Artist Similarity Computed Artist Similarity Feature Extraction
Psycho-acoustic models Comparison to Subjective AS

2.3 Visualization

3D 2-Dimensional Visualization Multidimensional Scaling Self-Organizing
Maps Spring Graph [e.g. <http://www.liveplasma.com/>, <http://radioclouds.com>,
<http://audiomap.tuneglue.net/>]

2.4 Summary of this Section

3 Scenario and Scope of this Thesis

3.1 Scope Definition

3.2 Selected Artist Similarity Computation

Rationale...

3.3 Selected Visualization Computation

Rationale...

3.4 Summary of this Section

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7.3 Evaluation and Analysis of Study Results

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8 Conclusion

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9 Appendix A