

Music Similarity

Flash Presentation

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Was wir machen

- ▶ Symbolic Melodic Music Similarity
 - ▶ "symbolisch" heißt : Darstellung von Noten.
 - ▶ verschiedene Representationsansätze von Melodien
- ▶ Nach [1] : 3 grundlegende Klassen von Algorithmen : diejenigen ,
 - ▶ die Mathematik einsetzen
 - ▶ die musiktheoretische und
 - ▶ die kognitivwissenschaftliche Ansätze verfolgen .
- ▶ und hybride Methoden(*lineare Kombination* von Algorithmen).

Wie man es macht

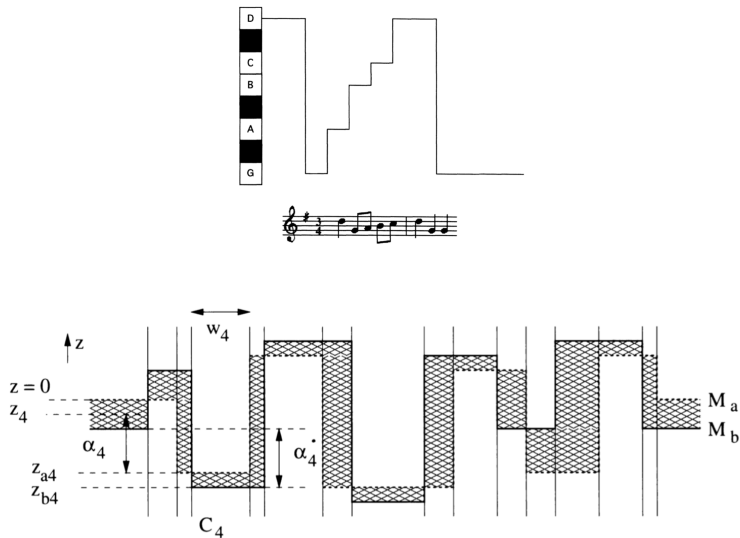


Figure: Source: [2]

Wie man es macht

level 4

level 3

level 2

level 1

surface

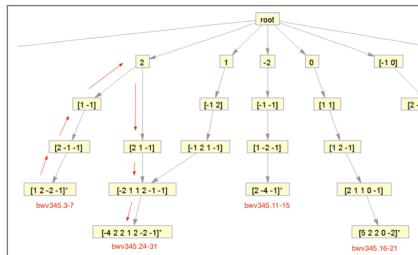


Figure: Source: [3]

- [1] "Algorithms for Computing Geometric Measures of Melodic Similarity" ,
G.Aloupis,T.Fevens,S.Langerman,T.Matsui,A.Mesa, Y. Nufiez,
D. Rappaport, G. Toussaint. Computer Music Journal , 30:3,
pp. 67-76, Fall 2006.
- [2] "Downie J.S., Ehmann A.F., Bay M., Jones M.C. (2010) The
Music Information Retrieval Evaluation eXchange: Some
Observations and Insights. In: Raś Z.W., Wierzchowska A.A.
(eds) Advances in Music Information Retrieval. Studies in
Computational Intelligence, vol 274. Springer, Berlin,
Heidelberg"
- [3] Orio, N., and A. Roda'. 2009. "A Measure of Melodic
Similarity Based on a Graph Representation of the Music
Structure." In Proceedings of the International Conference for
Music Information Retrieval, pp. 543– 548.