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).
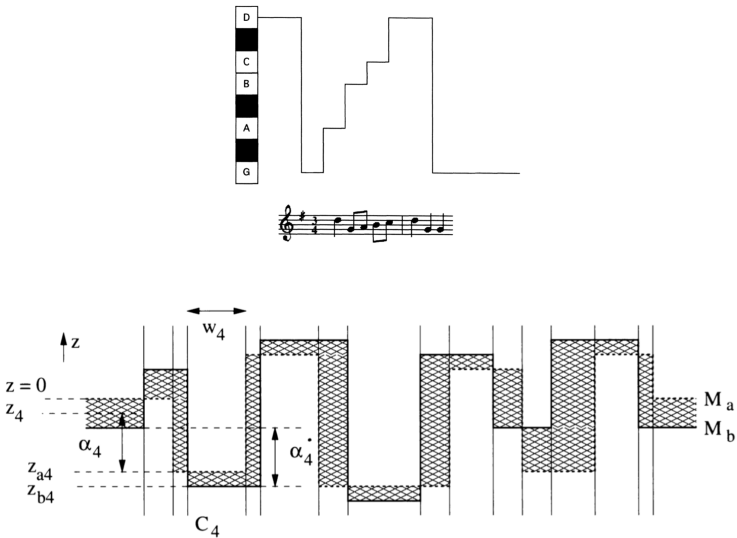
Wie man es macht

Figure: Source: [2]
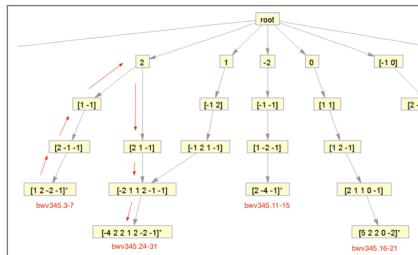
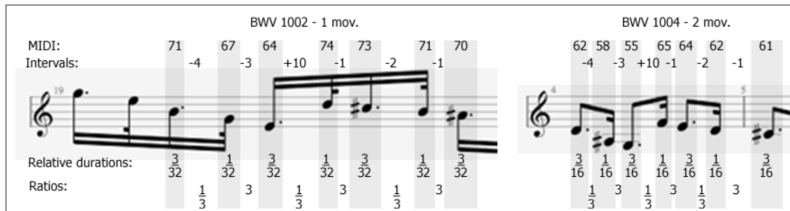# Wie man es macht

Figure: Source: [3]

Wie man es macht

Figure: Source: [4]

[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., Wieczorkowska 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.

[4] de Carvalho, A. D., Jr., and L. V. Batista. 2012. "SMS Identification Using PPM, Psychophysiological Concepts, and Melodic and Rhythmic Elements." In Proceedings of the