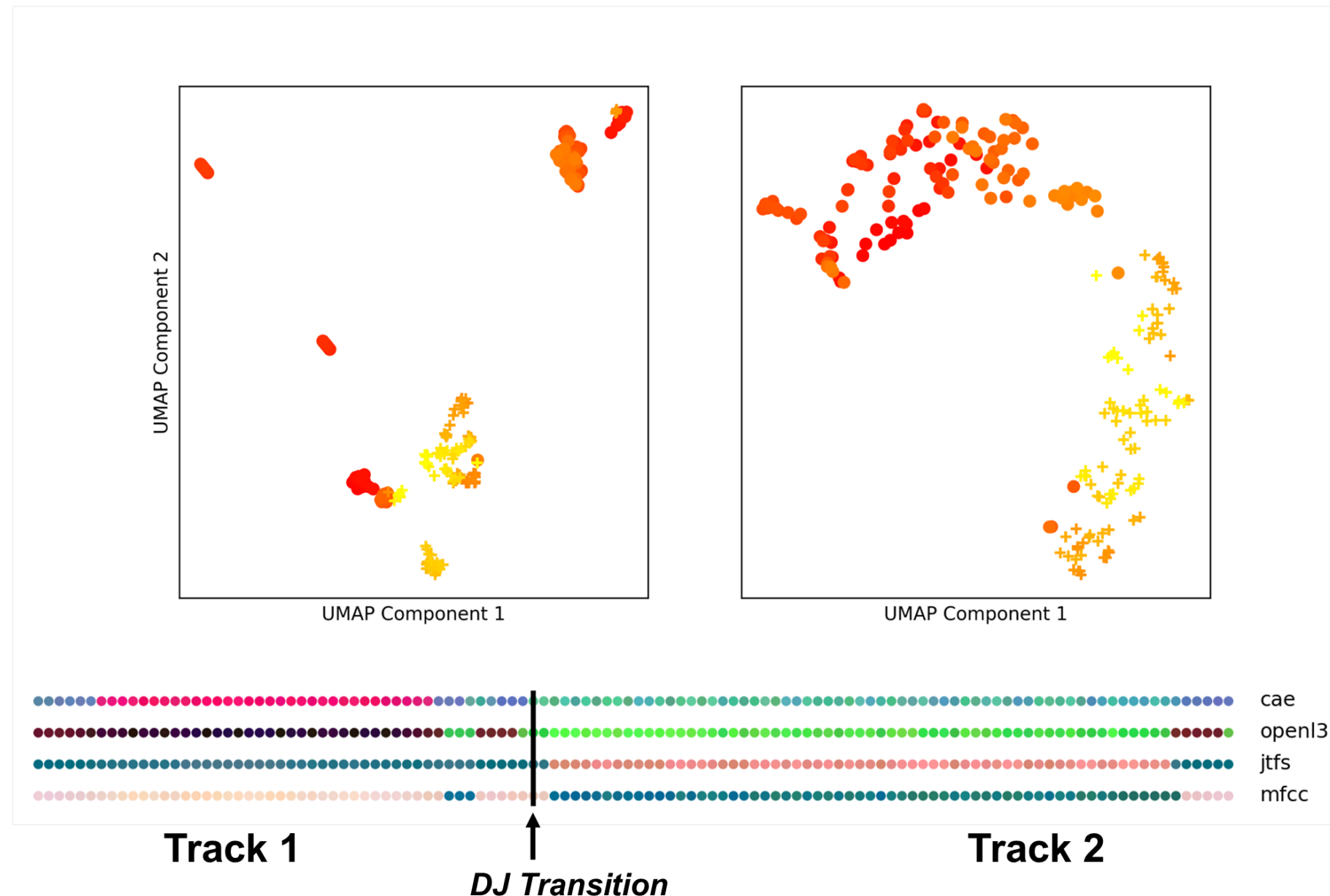


# Expressive Automatic DJ Mixing of Electronic Dance Music and Digital Audio Workstation Applications

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## Finding

Several DL and signal processing-based audio representations (MFCC, JTFST, OpenL3, CAE) have been found to be valuable for structural analysis of EDM DJ mixes. Observations of recurring structures in the representation space allows us to derive heuristics for estimating track-to-track DJ transition properties and for making track and mix level comparisons.

## Question

Additional heuristics and metrics are currently being considered to describe subjective DJ mixes in an objective way. What are the important differentiators of DJ mixes and how can these be computationally measured for concise comparison? How are such measures influenced by the actions of the DJ and the mixing controls available to them?

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