

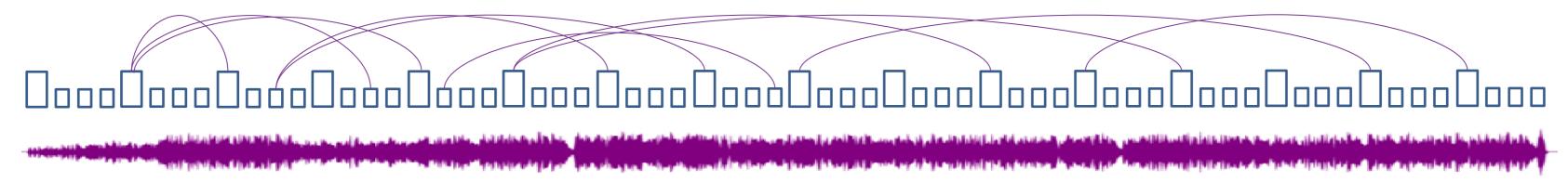
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Adaptable music track duration:

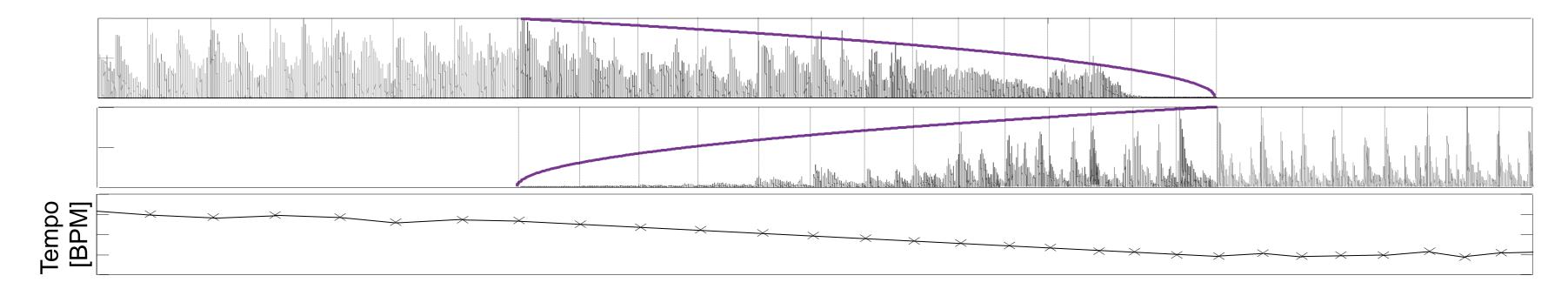
- Compute beat-synch descriptors (MFCC, Chroma, energy, metrical position, duration)
- Compute inter-beat similarity measure graph
- Playback is not lineal. Jumps between similar non-consecutive beats are allowed.:

Beat connections graph (similar beats)



2 Automatic transitions between tracks:

- Find best transition point
- Beat-match and time-stretch to mix different tempos
- Energy crossfade



3 Mix driven by user Geo-location in maps:

- Edit map in Gmaps
- Save map in XML-based formats (.gpx, .kml)

Staynet's Rd

🖑 🕈 🕹 🝸 📼

e Food

Carlton Square and Gardens

Link paths to songs.

📚 Add layer 🛛 😫 🛨 Share

Individual styles

Stepney Green

map location

Directions from Stepney Green to ... ¹

Point 2

Point 3

Point 4

3 views

🗹 test

All changes saved in Drive

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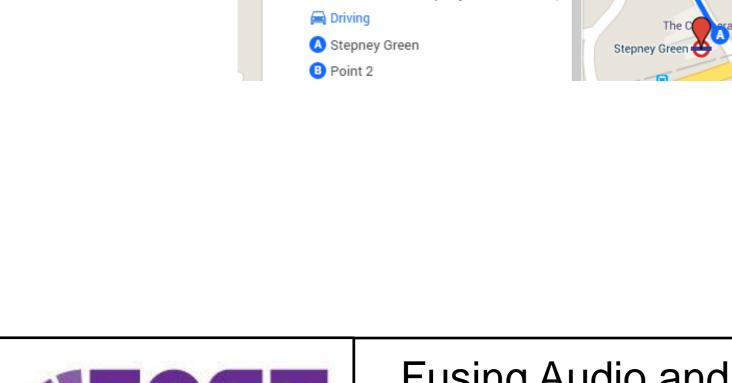
Tower Hamlets Local History Library.

Qmotion

School o

Mathematical Sciences

<trk>
<name>Directions from Stepney Green to Point 4</name>
<trkseg>



Fusing Audio and Semantic Technologies for Intelligent Music Production and Consumption Dedicated to the life and works of Alan Dower Blumlein





Engineering and Physical Sciences Research Council

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