Similar Interesting Music APPlication (SIM-APP)

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Similarity

Two entities are similar if they share some properties
Music similarity

Are these similar?
Music similarity

Are these similar?

Timbre similarity
Music similarity

Are these similar?

Timbre similarity

Melodic similarity
Music similarity

Are these similar?

Timbre similarity

Melodic similarity

Sub-similarities
Music similarity

Are these similar?

The overall similarity depends on one or more sub-similarities

Sub-similarities

Timbre similarity

Melodic similarity
Questions

• How do we model this?
• How is the general concept of music similarity built up from several sub-similarities?
• Are there more and less important sub-similarities?
Project and related research

Develop an app that finds similar music

Maria Panteli
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optimize and evaluate

Experiment: what do people perceive as similar?

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Aline Honingh
Makiko Sadakata

Analyze database: are there more and less important similarities?

J. Ashley Burgoyne
Aline Honingh
SIM-APP

Segments of Electronic Dance Music

Mobile app

- Similar tempo
- Similar timbre
- Similar rhythm
- ...

...
SIM-APP

Segments of Electronic Dance Music

Mobile app

Similar tempo
Similar timbre
Similar rhythm
...

Previous project covered segmentation, tempo and timbre
Current project

• Rhythm similarity

• Melodic similarity

• Harmonic similarity
Audio Apps

UltraPhaser is an extremely flexible phaser effect, with a unique user interface. With very low latency and stereo input, the wide range of phasing effects can be applied to all kinds of input sounds, from guitar, bass and keyboard to full mixes and electronic setups. Full AudioBus compatibility allows for the interconnection with other iPad apps.

UltraPhaser gives you total control. You can precisely adjust the stereo LFO’s speed, width, center frequency, phase shift and shape. Choose between 4, 8, 12 or even 24 stages. UltraPhaser also includes an optional High Pass Filter.

…
Audio Apps

Level 24

iPad schermadrukken

Beschrijving

Level 24 is a pro-quality real-time spectrum analyzer, EQ, Compressor and Limiter. With up to 1/24 octave band analysis precision and 12 discrete parametric equalizers and ultra low latency, Level 24 redefines audio control on the iPad.

Fully Audubus compatible to receive, process and record sound from other Audubus apps.

Rated "Killer App" by Apps4Devices...
Audio Apps

LiveFX • DJ Effects Kit

elephantcandy

**Details**
Beoordelingen en recensies
Gerelateerd

**IPad schermafdrukken**

**Beschrijving**

*** Full Audiosketch Integration ***

LiveFX is a Dynamic Effects Processor for iPad. Any audio source can be processed; use either line sound input, the built-in track player that plays from your iTunes library or Audiosketch to stream audio through LiveFX.

Create your own combination of audio effects, and simultaneously control up to four effects using a single finger tip (over 1000 possible combinations) or use multi-touch for automated dynamic sound effects. Make music with features that truly stand out from the crowd. Introducing LiveFX for iPad; it’s sound control evolved to a whole new level....
iPad versus computer

• Musicians will use iPad more and more
• We like to do the difficult stuff
Similarity

• Electronic Dance Music
• Audio instead of tags
• Future Product
Questions?