

CZ4079: Music Visualization through Deep Learning

Final Year Thesis exploring the viability, feasibility and usefulness of 2D visualizations of audio data. The purpose of this 5-7 minute questionnaire is twofold:

1. To identify if visualizations of audio data are accurate and meaningful.
2. To understand how relevant and useful AI generated visualizations of music can be, and its applications.

* Required

Section 1

1

Full Name *

2

Age *

3

Gender *

- Male
- Female
- Prefer not to say
- Other

4

Do you play any instrument or vocals? If yes, please elaborate. *

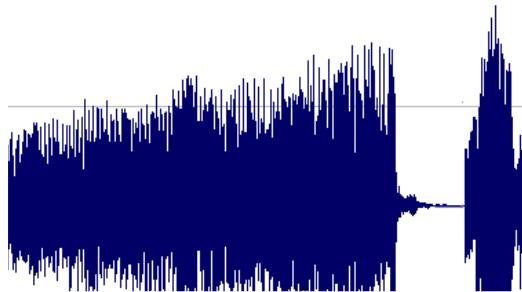
5

How many years of music education do you have? *

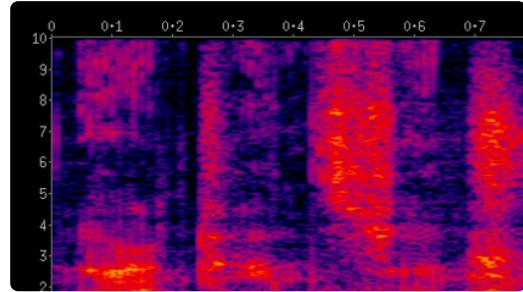
- None
- 1 - 3
- 4 - 6
- More than 7

6

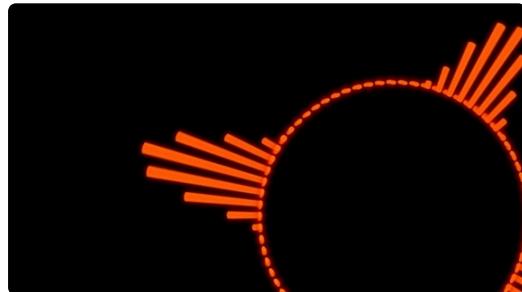
Which of the following types of audio and music visualizations do you know of? Select all that apply. *



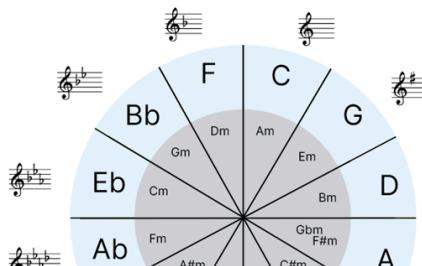
Waveforms



Spectrograms



Music Responsive Visuals



Circle of 5th

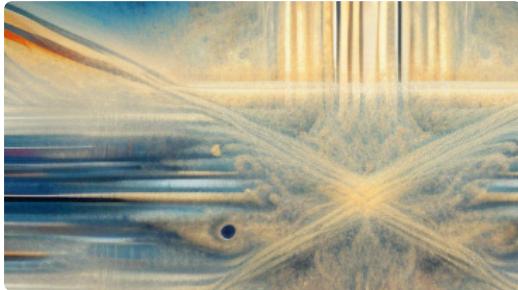


MIDI / Piano Roll

Other

7

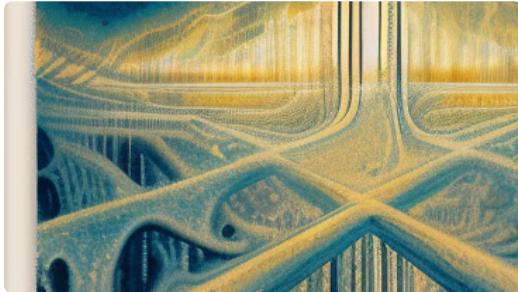
Based on the song Antent - Pulse, select the best option that provides an accurate visualization. *



Option 1



Option 2



Option 3



Option 4

8

Based on the option you selected in the previous question, how accurately does it visualize the song you heard? Rate from 1-10, where 1 shows an extremely inaccurate depiction and 10 shows an extremely accurate depiction. *

1	2	3	4	5	6	7	8	9	10
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9

Listen to a snippet of the song: Only the Young - Brandon Flowers and while looking at the following image.

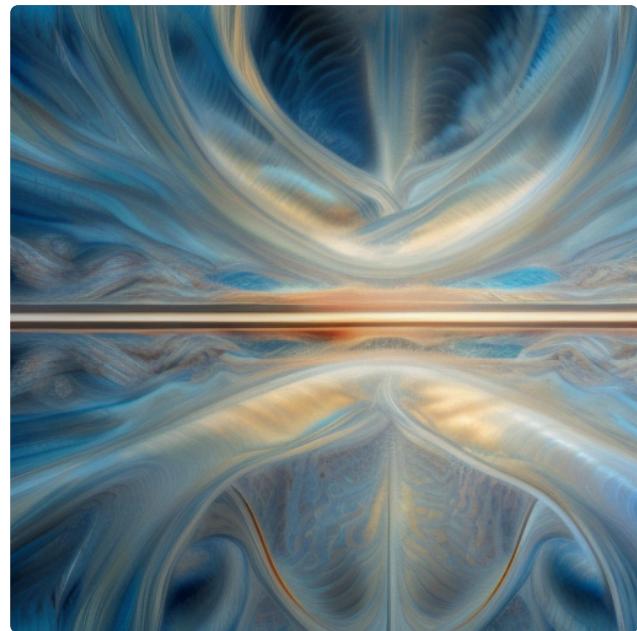
Did the visual enhance, match or distract you from your emotional experience? *



- Enhance
- Match
- Distract

10

Without listening to any audio, if this image was a scene from a movie soundtrack, what genre would they belong to? List the genre below each image. For example, Sci-Fi *



- Science Fiction
- Romance
- Adventure
- Drama
- Thriller

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Same as the last question, without listening to any audio, if this image was a scene from a movie soundtrack, what genre would it belong to? *



- Science Fiction
- Romance
- Adventure
- Drama
- Thriller

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Do you think the visualizations above accurately encapsulate features such as mood, tone, timbre of the audio which you heard? *

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Do you think these visualizations influence the way you would select music to listen to? How so? *

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What do you think are viable applications of such 2D audio visualizations?

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