

Then Try This • Algorithmic Pattern Salon

Synthesia: Sharing patterns for a choreographic audio and visual live coding experience.

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Then Try This

Published on: Nov 11, 2023

URL: <https://alpaca.pubpub.org/pub/b7hwrjfk>

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ABSTRACT

What if we could use the same patterns to produce audio and visuals? The desire was strong, so we developed [an extension](#) for the live coding environment [Hydra](#).¹², and an integration of Hydra in Strudel³.

Strudel patterns in Hydra

How can we share patterns for audio and visuals production? The following running examples introduces how to use the same pattern to produce sounds, shapes, colors, and effects. It uses the strudel extension for Hydra.

Visit the web version of this article to view interactive content.

Running example: Introducing Hydra and Strudel integration with the hydra extension.

note: To *stop the sound*, click inside the figure and press **Ctrl + .**

See full example [here](#)

Hydra visuals in Strudel

There are many visual representation of pitches and sound, from traditional notation that represents pitch using the vertical position of notes in pentagrams to audio responsive visuals. Next running examples introduces some of these using Hydra integration in Strudel.

Visit the web version of this article to view interactive content.

Running example: pitch notation, rhythm synchronization and audio responsiveness using Hydra integration in Strudel.

See full example [here](#)

Acknowledgments

This work was supported in part by the European Union's Horizon Europe Research and Innovation Program through the DAFNE+ Project under Grant 101061548.

Footnotes

1. This submission consist of a text and code. Read the full version scrolling in the embeded webpage or visiting the [code in hydra](#) ↵
2. To stop the audio, klik in the embedded frame and type Ctrl + . ↵
3. Strudel's hydra integration: <https://strudel.cc/learn/hydra> ↵