## **PyNeuralFx: A Python Package for Neural Audio Effect Modeling** Yen-Tung Yeh<sup>1</sup>, Wen-Yi Hsiao<sup>2</sup>, Yi-Hsuan Yang<sup>1</sup> <sup>1</sup>National Taiwan University, <sup>2</sup>Independent Researcher

### Overview

- Easy-to-use framework for neural audio effect modeling
- Provided several tools for easily experiment setup • Loss functions
  - Evaluation metrics
  - Visualization

GitHub: Arxiv: PÿNeüraİFx

Workflow



- Sample rate is important!
- Check your data carefully, make sure the high-quality data
- Know the difference between **snapshot** and full modeling



# • However, it is always fine to write your

own dataloader, our framework is easy to modify

### ■ LUFS

- Transient Metric
- Audio Feature
  - RMS
  - Spectral Centroid
- Using visualization tools • Aliasing in neural networks



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