

flowEQ

flowEQ uses a disentangled variational autoencoder (β -VAE) in order to provide a new modality for modifying the timbre of recordings via a parametric equalizer. By using the trained decoder network, the user can quickly search through the configurations of a five band parametric equalizer. This methodology promotes using one's ears to determine the proper EQ settings instead of looking at transfer functions or specific frequency controls. Two main modes of operation are provided (Traverse and Semantic), which allow users to sample from the latent space of the 12 train models.

Download the VST/AU plugin on the project website

<https://flowEQ.ml>

See the code on MathWorks File Exchange

<https://www.mathworks.com/matlabcentral/fileexchange/72442-floweq>

View the demo video on YouTube

<https://www.youtube.com/watch?v=9fohvzb0l28>

See the code on GitHub

<https://github.com/csteinmetz1/flowEQ>

