

ECS614U/ECS749P: Mix Matching

This folder contains a number of different logic projects which will improve your listening skills and control of gain based effects i.e. gain, panning and equalization. In each project you should adjust the relevant control to match either the individual sounds, or the sounds in the mix. In all cases a text file containing the correct settings is supplied.

Gain Matching

There are 5 folders, each containing a Logic project. One of these is called Individual Gain. This project contains a number of pairs of tracks which are color coded. You must apply a gain to the first track in each pair to make them sound the same. Use the light blue mute, and yellow solo buttons to isolate these tracks. The other folders contain songs. The first track in each is a mix and the other 8 tracks are the instruments for which it is composed. You must apply a gain to each of the instrument tracks to produce the same mix.

Panning Matching

This contains two folders, one for individual instruments and one for a mix as above.

Equalization Matching

This contains one folder for individual instruments only. The types of filter used are:

- Basic drums - peak or notch.
- Piano - peak or notch.
- Bass - low shelf.
- Flute - high shelf.
- Guitar - high pass.
- Voice - peak or notch, and high shelf.

Combined Matching

This contains a song. The first track is the mix of the other 8 instrument tracks, but gain, panning and equalization have been applied. You must apply all of these effects to match this mix. The equalization filters used are:

- Vocals - 2 x peak or notch filters. Guitar - peak or notch.
- Synth - low shelf.
- Bass - peak or notch.
- Kick - peak or notch. Snare - peak or notch. HiHats - high shelf.
- Cymbal - high shelf.