

Overview

- **2019.12~now: Music Source Separation (MSS), 25mins**
 - Introductions & Related works.
 - Motivation1: MSS empirical upper bounds.
 - Motivation2: Channel-wise subband feature.
 - Proposed model: *Channel-wise subband phase-aware ResUNet (CWS-PResUNet)*.
- **2021.04~now: General Speech Quality Restoration (GSR), 25mins**
 - Introductions & Related works.
 - Motivation1: Single task speech restoration & weakness.
 - Motivation2: How human brains percept distorted speech signals.
 - Proposed model: *VoiceFixer*.

Introductions

Music Source separations

- Isolating sound sources from a mixture audio.
 - e.g., Bass, drums, vocals, and other

