A brief look into the music source separation and general speech quality restoration

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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*.