Related works

Frequency domain methods

- Work on frequency spectrograms
  - Spectrogram mapping
  - Mask estimation
    - Ideal binary mask (IBM) estimation [Wang et al. 2005].
    - Ideal ratio mask (IRM) estimation [Narayanan et al. 2013].
    - Complex ideal ratio mask (cIRM) estimation [Williamson et al. 2015].

Related works

Frequency domain methods

1. Directly mapping: $|\hat{S}| = f(|X|;\Theta), \hat{S} = |\hat{S}|e^{j\angle X}$
2. Ideal Binary Mask: $|\hat{S}| = |\hat{M}| \odot |X|, |\hat{M}| \in \{0,1\}$
3. Ideal Ratio Mask: $|\hat{S}| = |\hat{M}| \odot |X|, |\hat{M}| \in [0,1]$
4. Complex Ideal Ratio Mask: $S = MX = |M||X|e^{j(\angle M+\angle X)}$

S: source estimation; X: mixture; M: mask estimation.