



A SINGLE-MICROPHONE APPROACH FOR SPEECH SIGNAL DEREVERBERATION (WedAmOR6)

✱ Author(s) :

Fernando Pacheco
Rui Seara

(Federal University of Santa Catarina, Brazil)
(Federal University of Santa Catarina, Brazil)

✱ Abstract :

This paper presents a single-microphone speech dereverberation approach. The technique proposed comprises the room impulse response estimation followed by an inverse filtering. The estimation is carried out by identification of function zeros associated with the degradation system (room impulse response) in speech segments. A comparison between the cepstrum-based and proposed approaches is shown. Experimental results confirm the effectiveness and applicability of the new approach for mixed-phase impulse responses.