

Evaluation of aurally-adequate analyses for echo assessment

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The migration towards NGN (Next Generation Networks) is supposed to introduce higher propagation delay in telecommunication. This emphasizes the need for reliable echo control. Wideband telephony will further change speech perception - and echo perception. New investigations on echo perception demonstrated the necessity to renew tolerances for wideband echo attenuation. These trends also motivate new echo assessment methods. A new approach based on a hearing model analysis is introduced and discussed in this presentation suitable to extend existing echo analysis methods.