

Real-time DNN-based acoustic echo and noise removal

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In this demo, we demonstrate a real-time speech enhancement pipeline using neural network blocks for acoustic echo cancellation and noise suppression. The is real-time capable using no look-ahead frames for low latency and, despite being implemented in a basic Python implementation, consumes only a fraction of a standard CPU compute budget. Due to its modular design, we are able to listen to echo signal estimates, AEC output and final AEC + noise suppression output separately.

