



Description and Terms of Use of the IFFM and IFnoise signals

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International Female Fluctuating Masker (IFFM)

The IFFM was generated from the International Speech Test Signal (ISTS) by limiting the pause durations to at most 250 ms. Afterwards, the signal was again filtered to the ILTASS (International Long-Term Average Speech Spectrum). In addition, the order of the sections was rearranged to 3-1-5-2-4, i.e., third section of the ISTS on first position, first section of the ISTS on second position etc.

International Female Noise (IFnoise)

The IFnoise was similarly generated as the OLnoise (used in the Oldenburg Sentence Test, OLSA) by using multiple overlapping of the speech material of the ISTS. The long-term average spectrum is not changed compared to the ISTS and is therefore representing the long-term average spectrum of female speech (ILTASS, Byrne et al., 1994).

The ISTS was split up into 90 fragments with a duration of 2.5 to 3 s each (approximately corresponding to the duration of one sentence in the OLSA). The fragments were taken from utterances between speech pauses. Each fragment was periodically repeated with random pause durations between 5 ms and 2 s. Each fragment was used twice resulting in 180 files. The IFnoise was generated by overlaying all files 30 times with a random temporal offset of up to 10 s.

Terms of Use

All Copyrights on the IFFM and IFnoise signals belong to the European Hearing Industry Manufacturers Organization (EHIMA).

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Contact

EHIMA aisbl

Technical Committee Secretariat

Email: tc@ehima.com

Web: www.ehima.com



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