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Foenics - Forensic Audio and Speech Analysis

Cube-Tec is proud to announce the release of the Foenics product range. The Foenics Software was developed in close co-operation with the Munich Police Force to produce a custom made solution for forensic audio and speech analysis experts. The combination of years of experience in the field of professional audio restoration and state-of-the-art technology has finally paid off to produce this expert range of forensic tools.

The Foenics Software Package contains the complete range of modules needed by forensics experts to restore distorted audio signals used for speaker identification, speech enhancement and examination of the authenticity of recordings. Foenics is based on the powerful WaveLab Sound Editor from Steinberg Media Technologies.

Foenics consists of a range of FPIs (Foenics Precision Instruments) which the forensic expert can use to restore a distorted sound file.

Foenics Basic Tools

- Artefact-Removal frees a signal from artefacts such as crackles or non-linear distortions.
- Buzz-Removal eliminates hum and buzz distortions.
- FrequencyBand-Removal is a free scaleable, artefact-free high-slope filter.
- Frequency-Removal contains eight independent and completely adjustable notch filters.
- Noise-Removal is a free scaleable high performance denoising tool.

Foenics Analysis Tools

- SonaView visualizes the spectrogram of an audio recording for closer analysis.
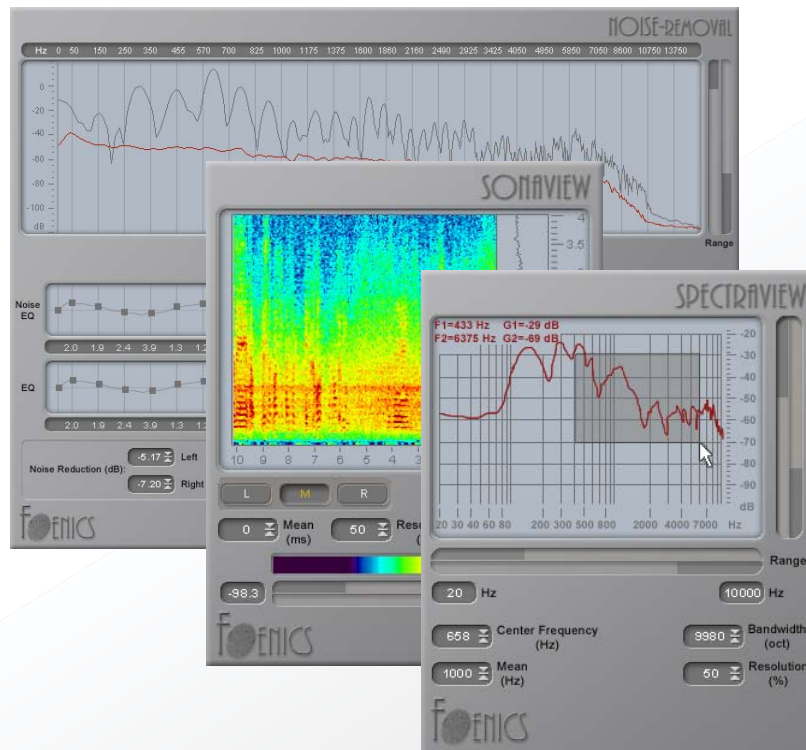- SpectraView views the power spectral density of a signal in any desired frequency and amplitude range.

Foenics Specialist Tools

- Burst-Removal is the only tool currently available for the removal of burst distortions such as GSM-bursts.
- Clip-Removal automatically repairs distortion in a signal caused by digital clipping.

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Product Overview

Disturbances in the audio file such as noise, buzz, artifacts and single distorted frequencies can be easily and automatically removed using the Basic Foenics Tools. The forensic expert is also able to view any part of the original or processed signals in the frequency domain using the FPI Analysis Tools, incorporating powerful zoom functions. Specialist FPIs to remove difficult burst signals (eg. GSM Burst from Mobile Phone recordings) or clipping are also available.

Features & Benefits

- Modular approach to forensic audio restoration
- Easy to use, incorporating automatic signal analysis
- Fully portable - can be used on any Laptop or PC
- Supported Systems: Windows 2000/XP
- Comprehensive File Support using Steinberg's WaveLab Editor

For more information about this new range of Expert Forensic Audio Tools please see the Foenics webpage www.Foenics.com

Contact

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