

# **Voice Identification The Aural Spectrographic Method**

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Voice Identification The Aural Spectrographic For the most accurate results from the spectrographic voice identification method, a professional examiner (1) will require the original recordings or the best quality rerecordings if the original is not available; (2) will perform a critical aural review of the suspect and known recordings; (3) will produce sound spectrograms of the comparable words and phrases; (4) will produce a comparison recording juxtaposing the known and unknown speech samples; (5) will evaluate the evidence and ... Voice Identification The Aural/Spectrographic Method ... For the most accurate results from the

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spectrographic voice identification method, a professional examiner (1) will require the original recordings or the best quality rerecordings if the original is not available; (2) will perform a critical aural review of the suspect and known recordings; (3) will produce sound spectrograms of the comparable words and phrases; (4) will produce a comparison recording juxtaposing the known and unknown speech samples; (5) will evaluate the evidence and ... Voice Identification The Aural /

### Spectrographic

### Method Aural/Spectrographic

speaker comparison is a combination of aural (listening) and instrumental comparison of one or more known voices with an unknown voice for the purpose of

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identification or elimination. Factors which are compared are resonance quality, pitch, temporal factors, inflection, dialect, articulation, syllable grouping and peculiar speech characteristics. Voice Identification | Stutchman Forensic Laboratory Proponents of the aural and spectrographic technique of voice identification base their decisions on the theory that all human voices are different due to the physical uniqueness of the vocal track, the distinctive environmental influences in the learning process of speech development, and the unique development of neurological faculties which VOICE IDENTIFICATION: The Aural/Spectrographic Method The “aural-spectrographic” method of

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voice identification relies on a trained examiner's ability to make a discrimination judgment as to whether a known and an unknown speech exemplar were produced by one speaker or by two different speakers. VOICE IDENTIFICATION

AND ELIMINATION USING AURAL

... The Tanner-Culbertson Aural Method of Voice Identification is an inexpensive alternative to spectrographic voice prints.

Spectrographic voice prints are costly, time-consuming, subjective, and too complex to be understood by juries and lay persons. The Tanner-Culbertson Aural Method of Voice Identification provides attorneys and law enforcement personnel with three The TannerCulbertson Aural Method of Voice

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Identification Aural/spectrographic voice identification is a combination of aural, or listening and instrumental comparison of one or more known voices with an unknown voice for the purpose of identification or elimination. Understanding Forensic Voice Identification & Speaker ... The FBI conducts forensic voice identification examinations using the spectrographic or voiceprint technique for the FBI, other Federal agencies, state and local law enforcement authorities, and many foreign governments. After each examination is conducted, a written report of findings is mailed to the contributor with the name of the examiner and the disposition of the submitted voice samples. Spectrographic voice

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identification - Tape Expert The method by which a voice is identified is a multifaceted process requiring the use of both aural and visual senses. In the typical voice identification case the examiner is given several recordings; one or more recordings of the voice to be identified and one or more recorded voice samples of one or more suspects. Law Web: WHAT IS SOUND SPECTROGRAPH AND VOICE PRINTS Voice Identification The Aural/Spectrographic Method I - Introduction The forensic science of voice identification has come a long way from when it was first introduced in the American courts back in the mid 1960's. Home | Owen Forensic Services, LLC Voice comparison and identification services, for voice/speaker

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identification or elimination, to support investigations and court proceedings. We use the court accepted aural/spectrographic and biometric methods of analysis. VOICE

Identification/Comparison Updated April 2019 [www.audioforensics.com](http://www.audioforensics.com)

The use of spectrographic pattern matching and aural comparison in forensic voice identification requires careful control of examiner bias and an awareness of the principles of signal detection theory. CiteSeerX

— IDENTIFICATION Voiceprint identification can be defined as a combination of both aural (listening) and spectrographic (instrumental) comparison of one or more known voices with an unknown voice for the purpose of identification or elimination. From

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1967 until the present, more than 7,000 voice identification Voice Print Identification - Forensic Tape Analysis, Inc The voice identification team uses the lab for quantification of the voice signal in terms of pitch, loudness, quality, as well as for measurement of the acoustic parameters and breathing dynamics. (1) Sound Spectrograph: The sound spectrograph produces a "print" that shows fundamental frequency, harmonics, and intensity of the voice. SOUND SPECTROGRAPH AND VOICE PRINTS &#8211; A NEW PARADIGM ... Voice Identification - Comparing two voices, side-by-side using the aural/spectrographic method to determine whether or not the voices are a "match." In addition to the examining the recorded voices

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an exemplar recording will be created as well. Audio The U.S. Federal Bureau of Investigation (FBI) used spectrographic or voice identification analysis as early as the 1950s, but the technique did not gain scientific acceptance until a 1962 study by Lawrence Kersta, a researcher working with a 1940s-model Bell Laboratory sound spectrograph. Forensic Voice and Tape Analysis - Early history, The ... overtones of 'fingerprint,' gives voice spectrographic identification an aura of absolute certainty and accuracy which is neither justified by the facts nor claimed by experts in the field." Id. at 465 n.l. 12 See, e.g., Bolt, Cooper, David, Denes, Pickett & Stevens, Speaker Identification by Speech Spectrograms: A Scientists' The

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Admissibility of Spectrographic Voice Identification ... voice print reasonable alternative spectrographic voice print voice identification tanner-culbertson aural method law enforcement personnel complex wave complex algorithm joseph fourier french mathematician speech signal analysis audio recording developed technology several problem valuable investigative tool lay person computer comparison ... The Tanner-Culbertson Aural Method of Voice Identification ... [www.audioforensics.com](http://www.audioforensics.com) The use of spectrographic pattern matching and aural comparison in forensic voice identification requires careful control of examiner bias and an awareness of the principles of signal detection theory.

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