

Noise

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In common use, the word noise means unwanted sound or noise pollution. In electronics noise can refer to the electronic signal corresponding to acoustic noise or the electronic signal corresponding to the noise commonly seen as 'snow' on a degraded television or video image. In signal processing or computing it can be considered data without meaning; that is, data that is not being used to transmit a signal, but is simply produced as an unwanted by-product of other activities. In Information Theory, however, noise is still considered to be information. In a broader sense, film grain or even advertisements in web pages can be considered noise. Noise can block, distort, or change the meaning of a message in both human and electronic communication. In many of these areas, the special case of thermal noise arises, which sets a fundamental lower limit to what can be measured or signaled and is related to basic physical processes at the molecular level described by well known simple formulae. ([From the Wikipedia article Noise](#).)

Recent Publications on Noise:



- [All-fiber coherent combining of Er-doped amplifiers through refractive index control in Yb-doped fibers.](#)
We propose a simple all-fiber solution for coherent beam combining of... 21st November, 2009
- Opt Lett. 2009 Nov 15;34(22):3574-3576. doi: 10.1364/OL.34.003574.
- [Gain-modulated three-dimensional active imaging with depth-independent depth accuracy.](#)
We present a three-dimensional imaging method using a pulsed laser as a... 21st November, 2009
- Opt Lett. 2009 Nov 15;34(22):3550-3552. doi: 10.1364/OL.34.003550.
- [Generation and direct measurement of giant chirp in a passively mode-locked laser.](#)
We evaluate the shape and chirp of nanosecond pulses from a fiber laser... 21st November, 2009
- Opt Lett. 2009 Nov 15;34(22):3526-3528. doi: 10.1364/OL.34.003526.
- [Hybrid filtering and enhancement of high-resolution adaptive-optics retinal images.](#)
Adaptive optics flood-illuminated imaging technology has been successfully... 21st November, 2009
- Opt Lett. 2009 Nov 15;34(22):3484-3486. doi: 10.1364/OL.34.003484.
- [Spatial-temporal clustering analysis in functional magnetic resonance imaging.](#)
In recent years, the temporal clustering analysis (TCA) method has been... 21st November, 2009
Department of Biomedical Engineering and Environmental Sciences, National- Phys Med Biol. 2009 Nov 20;54(24):7301-7314. ([DOI Direct Link](#))
- [Investigation of uncertainties in image registration of cone beam CT to CT on an image-guided radiotherapy system.](#)
Methods of measuring uncertainties in rigid body image registration of fan... 21st November, 2009
Medical Physics and Engineering, St James's Hospital, Leeds Teaching- Phys Med Biol. 2009 Nov 20;54(24):7263-7283. ([DOI Direct Link](#))
- [A non-oxidative electrochemical approach to online measurements of dopamine release through laccase-catalyzed oxidation and intramolecular cyclization of dopamine.](#)

- A new electrochemical approach to selective online measurements of...* 21st November, 2009
Beijing National Laboratory for Molecular Sciences, Laboratory of Life- Biosens Bioelectron. 2009 Oct 29. ([DOI Direct Link](#))
- [Ionic liquid-based dispersive liquid-liquid microextraction followed high-performance liquid chromatography for the determination of organophosphorus pesticides in water sample.](#)
Using 1-octyl-3-methylimidazolium hexafluorophosphate ([C(8)MIM][PF(6)])... 21st November, 2009
School of Chemistry and Chemical Engineering, Henan University of- Anal Chim Acta. 2009 Nov 23;655(1-2):52-59. Epub 2009 Oct 6. ([DOI Direct Link](#))
 - [Detecting Consistent Common Lines in Cryo-EM by Voting.](#)
The single-particle reconstruction problem of electron cryo-microscopy... 21st November, 2009
Department of Mathematics and PACM, Princeton University, Fine Hall,- J Struct Biol. 2009 Nov 16. ([DOI Direct Link](#))
 - [Contextual effects in speed perception may occur at an early stage of processing.](#)
How does nearby motion affect the perceived speed of a target region? When... 21st November, 2009
School of Psychology, University of Southampton, Highfield, Southampton,- Vision Res. 2009 Nov 16. ([DOI Direct Link](#))
 - [Partition of amphiphilic molecules to lipid bilayers by ITC.](#)
The partition of the amphiphile Sodium Dodecyl Sulfate between an aqueous... 21st November, 2009
Biological Chemistry Group, Chemistry Department FCTUC, Largo D. Dinis,- Anal Biochem. 2009 Nov 16. ([DOI Direct Link](#))
 - [The effect of tightened hearing protection regulations on military noise-induced tinnitus.](#)
The objective of this study was to investigate the effect of tightened... 21st November, 2009
Department of Otolaryngology, Helsinki University Central Hospital,- Int J Audiol. 2009;48(6):394-400. ([DOI Direct Link](#))
 - [The effect of extending high-frequency bandwidth on the Acceptable Noise Level \(ANL\) of hearing-impaired listeners.](#)
This study examined the effects of extending high-frequency bandwidth, for... 21st November, 2009
U.S. Department of Veterans Affairs, Mountain Home, TN, USA, East- Int J Audiol. 2009;48(6):353-362. ([DOI Direct Link](#))
 - [Ten-year longitudinal study of the effect of impulse noise exposure from gunshot on inner ear function.](#)
This longitudinal study investigated how chronic gunshot noise exposure... 21st November, 2009
Department of Otolaryngology, National Taiwan University Hospital, Taipei,- Int J Audiol. 2009;48(9):655-660. ([DOI Direct Link](#))
 - [Classification of steady state gain reduction produced by amplitude modulation based noise reduction in digital hearing aids.](#)
Digital noise reduction systems in modern digital hearing aids aim to... 21st November, 2009
Academic Medical Center, Department of Otolaryngology, University of- Int J Audiol. 2009;48(7):444-455. ([DOI Direct Link](#))

BioNews Results for Noise

- [Picking Out Speech from Background Noise is Easy for Musical Brains](#)
MedIndia: Nov 17 2009 5:11AM Matching: noise
- [Scientists Find Why Dyslexic Kids Face Difficulties in Distinguishing Speech from Noise](#)
MedIndia: Nov 15 2009 7:30AM Matching: noise
- [Neural Mechanism Reveals Why Dyslexic Brain Has Trouble Distinguishing Speech From Noise](#)
Medical News Today: Nov 12 2009 6:42PM Matching: noise
- [Medical News: Neural Mechanism Reveals Why Dyslexic Brain Has Trouble Distinguishing Speech From Noise](#)
BioFind: Nov 12 2009 4:46PM Matching: noise

- [Neural Mechanism Reveals Why Dyslexic Brain Has Trouble Distinguishing Speech From Noise](#)
Red Orbit: Nov 12 2009 1:10AM Matching: noise
- [Dyslexia May Make It Tough to Tune Out School Noise](#)
National Womens Health Information Center: Nov 11 2009 7:28PM Matching: noise
- [Antifouling Surface Layers for Improved Signal-to-Noise of Particle-Based Immunoassays](#)
Langmuir: Oct 31 2009 1:58AM Matching: noise
- [ATCO Reports Third Quarter Earnings of \\$61.0 Million](#)
Genetic Engineering News: Oct 31 2009 12:48AM Matching: noise
- [Notched Audiograms and Noise Exposure History in Older Adults](#)
MDLinx: Oct 29 2009 2:55PM Matching: noise
- [Noise pollution besieges Europe](#)
IOL: Oct 27 2009 12:59AM Matching: noise
- [Half of Urban Europe Risk Health Threat from Noise Pollution](#)
MedIndia: Oct 27 2009 12:43PM Matching: noise
- [Zip-Outs, a cutting-edge line of hearing protection solutions released](#)
News-Medical.Net: Oct 27 2009 8:10AM Matching: noise
- [ARBs, Diuretics, and Noise -- Plus New Guidelines for Children](#)
Medscape: Oct 23 2009 3:15PM Matching: noise
- [What's All the Noise About Time-of-Flight PET?](#)
Medscape: Oct 22 2009 3:34PM Matching: noise
- [Rare Neurons May Process Painful Noise](#)
Science Magazine: Oct 21 2009 10:40PM Matching: noise

Noise Patents:



- 7620477- [Robotic intelligence kernel](#)
- 7620529- [Method, apparatus, and computer program product for simulation of mixed-signal systems](#)
- 7620534- [Sound enabling computerized system for real time reservoir model calibration using field surveillance data](#)
- 7620539- [Methods and apparatuses for identifying bilingual lexicons in comparable corpora using geometric processing](#)
- 7620542- [Structured natural language query and knowledge system](#)
- 7620543- [Method, medium, and apparatus for converting audio data](#)
- 7620544- [Method and apparatus for detecting speech segments in speech signal processing](#)
- 7620545- [Scale factor based bit shifting in fine granularity scalability audio coding](#)
- 7620546- [Isolating speech signals utilizing neural networks](#)
- 7620547- [Spoken man-machine interface with speaker identification](#)
- 7620522- [Diagnostic device for at least one pneumatic valve actuator arrangement](#)
- 7620521- [Dynamic weight sensing and classification of vehicular occupants](#)
- 7620520- [Methods for determining weight of a person](#)
- 7620481- [Systems for self-balancing control of mixing and pumping](#)
- 7620487- [Engine torque control device](#)
- 7620493- [System, method and apparatus for providing navigational assistance](#)
- 7620499- [Wavelet maxima curves of surface latent heat flux](#)

- 7620501- [Artery-vein separation and vessel modeling](#)
- 7620502- [Methods for identifying sets of oligonucleotides for use in an in vitro recombination procedure](#)
- 7620508- [Terahertz detection using a multi-mode signal](#)
- 7620509- [Detection of time-frequency codes using a spectrogram](#)
- 7620513- [Optical time domain reflectometer, and optical fiber measuring method and optical fiber measuring system using the same](#)
- 7620548- [Method and system for automatic detecting morphemes in a task classification system using lattices](#)
- 7620549- [System and method of supporting adaptive misrecognition in conversational speech](#)
- 7620577- [Non-capitalization weighted indexing system, method and computer program product](#)
- 7620818- [Biometric based user authentication and data encryption](#)
- 7620825- [Systems and methods operable to allow loop powering of networked devices](#)
- 7620847- [Network-based service for the repair of IP multicast sessions](#)
- 7620868- [Method for detecting a malfunction in a state machine](#)
- 7620877- [Signal decoding methods and apparatus](#)
- 7620879- [Method of detecting occurrence of error event in data and apparatus for the same](#)
- 7620882- [Decoder and decoding method for decoding a code by selecting a path out of paths in a trellis diagram](#)
- 7620920- [Time separated signals](#)
- 7620921- [IC chip at-functional-speed testing with process coverage evaluation](#)
- 7620792- [Processing system, memory and methods for use therewith](#)
- 7620773- [In-line non volatile memory disk read cache and write buffer](#)
- 7620762- [Data transfer control device and electronic instrument](#)
- 7620592- [Tiered processing method and system for identifying and mitigating merchant risk](#)
- 7620603- [Systems and methods using paperless check 21 items](#)
- 7620607- [System and method for using a bidirectional neural network to identify sentences for use as document annotations](#)
- 7620611- [Neural networks for ingress monitoring](#)
- 7620674- [Method and apparatus for enhanced estimation of an analyte property through multiple region transformation](#)
- 7620675- [Image and audio transform methods](#)
- 7620681- [Client in a client-server network and a method of operation](#)
- 7620716- [System and method to predict the performance of streaming media over wireless links](#)
- 7620739- [Dynamic system control method](#)
- 7620995- [Identifying dependencies of an application upon a given security context](#)

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