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Bats and moths have been engaged in acoustic warfare for more than 60 million y. Yet almost half of moth species lack bat-detecting ears and still face intense bat predation. We hypothesized that the long tails of one group of seemingly defenseless moths, saturniids, are an anti-bat strategy designed to divert bat attacks. Using high-speed infrared videography, we show that the spinning ...

Moth tails divert bat attack: Evolution of acoustic

Very sadly, Dr David Lucy died on Wednesday 20 June 2018. David was perhaps best known in the forensic science community for his work on statistical models for the calculation of likelihood ratios, including his work with Prof Colin Aitken on multivariate kernel density models, and for his 2005 book Introduction to Statistics for Forensic Scientists.

Geoffrey Stewart Morrison

Naval Surface Warfare Center Crane Division is the principal tenant command located at Naval Support Activity Crane. NSA Crane is a United States Navy installation located approximately 35 miles southwest of Bloomington, Indiana and predominantly located in Martin County, but small parts also extend into Greene and Lawrence counties. It was originally established in 1941 under the Bureau of ...

Naval Surface Warfare Center Crane Division - Wikipedia

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What is the status of open source finite element code

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Job Openings â€“ McLaughlin Research Corporation

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then called a grain size distribution.

Particle-size distribution - Wikipedia

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Federal Motor Vehicle Safety Standards; Minimum Sound

Image: A sketch of the catapult mechanism by which the vortex shedding sequence behind a liquid wave throws droplets very high. Abstract: A droplet ejection mechanism in planar two-phase mixing layers is examined. Any disturbance on the gas-liquid interface grows into a Kelvin-Helmholtz wave and the wave crest forms a thin liquid film that ruptures as the wave grows downstream.

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Vol.7, No.3, May, 2004. Mathematical and Natural Sciences. Study on Bilinear Scheme and Application to Three-dimensional Convective Equation (Itaru Hataue and Yosuke Matsuda)

Contents

Here is a course in boundary element methods for the absolute beginners. It assumes some prior basic knowledge of vector calculus (covering topics such as line, surface and volume integrals and the various integral theorems), ordinary and partial differential equations, complex variables, and computer programming.

WT Ang's BEM (Boundary Element Method) Website

Antonio Vergari, Robert Peharz, Nicola Di Mauro, Alejandro Molina, Kristian Kersting, and Floriana Esposito. Sum-product autoencoding: Encoding and decoding representations using sum-product networks.

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