

Description and assessment of a new optical pressure measurement system (OPMS) demonstrated in the high speed wind tunnel of DLR in Göttingen

Deutsche Forschungsanstalt für Luft- und Raumfahrt - Time Resolved 2D Measurement Techniques for Quantitative Determination of Flow Fields and Surface Pressure Distributions



Description: -

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Inventor ; Smith, Dennis A. Based on these designs, large scale acquisition prototype hardware was designed and fabricated to be compatible with available NASA-MSFC feed system hardware. Several one-, two-, and three-dimensional, linear and non-linear numerical examples are presented to confirm the stability and accuracy of the method.

Time Resolved 2D Measurement Techniques for Quantitative Determination of Flow Fields and Surface Pressure Distributions

Some of these variants were not detected in clinical specimens using a common real-time reverse transcription-PCR RT-PCR assay that targeted the conserved regions of the viral matrix M genes. The two assays provided highly concordant results concordance correlation coefficient, 0.

stable operating range: Topics by Science.gov

Different concentrations of swine HEV 120-1. Currently available methods used to identify hookworm ova to the species level are time consuming and lack accuracy. Thus, when the mean range of incident ions is determined with the MLE method, the annihilation gamma-ray distribution and the deposited dose distribution can be derived simultaneously.

Visualization of aerodynamic effects on a double

This approach can be easily utilized as a platform technology for the detection of other types of micro-organisms, especially for those that are transmitted via water and aerosol routes, such as Legionella pneumophila. For this purpose pressure distributions were measured separately as well as simultaneously with both OPMS and a conventional technique via pressure taps for comparisons. The outcome measure was a localization disabilities and handicaps questionnaire.

Pressure

Comparisons of array response to loudspeakers in the wind tunnel and in free field are made. Results from these model investigations indicate that that steeper blade. To achieve the stabilization, the variation in digital logic speed, which directly corresponds to changes in supply voltage, is constantly measured and corrected for through a tunable oscillator farm, implemented on the FPGA.

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