A Transient Method For Characterizing Flow Regimes In A

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A Transient Method For Characterizing Flow Regimes In A
The transient method was capable of reproducing the solids circulation dependence on riser solids holdup and on the axial pressure profile. This transient method offers an accurate, easy, rapid, and reproducible means of characterizing CFB operations over a wide range of flow conditions.

A transient method for characterizing flow regimes in a ...
This transient method offers an accurate, easy, rapid, and reproducible means of characterizing CFB operations over a wide range of flow conditions. The lack of accuracy in the dilute regime is...

(PDF) A transient method for characterizing flow regimes ...
Abstract A method for characterizing the response of a PEMFC to transients in the CO concentration in the fuel is presented. The method uses the well-known First Order Plus Dead Time (FOPDT) model...

A Method for Characterizing CO Transients in a PEMFC ...
The current-transient methodology has shown advantages in characterizing traps in the device. However, the voltage drift may cause errors in measurements with high accuracy requirements. In this paper, we present a methodology to characterize traps in GaN HEMTs using the voltage-transient measurements.

A voltage-transient method for characterizing traps in GaN ...
Transient effectiveness methodology is a new analytical method which is developed for studying the dynamic performance of a heat exchanger. The concept was originally introduced by Cima and London in 1958 and used as a signature in representing the heat exchanger transient performance.

Transient Effectiveness Methods for the Dynamic ...
Abstract. A method is presented to characterize the anisotropic thermal properties of materials based on nanosecond transient thermoreflectance (TTR). An analytical heat transfer model is derived for the TTR signal, showing that the signal is sensitive to out-of-plane and in-plane heat conductions at distinct time scales.

Nanosecond transient thermoreflectance method for ...
DOI: 10.1520/F0978-02 Citation Format. ASTM F978-02, Standard Test Method for Characterizing Semiconductor Deep Levels by Transient Capacitance Techniques (Withdrawn 2003), ASTM International, West Conshohocken, PA, 2001, www.astm.org Back to Top

ASTM F978 - 02 Standard Test Method for Characterizing ...
This is a fundamental research funded by the Hong Kong Research Grants Council (RGC), which aims to: (1) Characterizing and separating the transient responses of different pipe anomalies, including leakage, blockage, unknown branch and pipe wall deformation; (2) Developing holistic transient-based method for the detection of multiple and different pipe anomalies in urban water supply systems (UWSSs);

Research | hfduan
Vehicle simulation is an established and effective method to predict a vehicle's fuel economy (FE) and greenhouse gas (GHG) emissions ... Dekraker, P., Stuhldreher, M., and Kim, Y., "Characterizing Factors Influencing SI Engine Transient Fuel Consumption for Vehicle Simulation in ALPHA," SAE Int. J. Engines ... more transient US06 cycle ...

SAE 2017-01-0533 Characterizing Factors Influencing SI ...
One of the common methods for characterizing the dynamic reservoir parameters is well testing, in which the pressure transient data are recorded and analyzed using the plot of transient pressure and its derivative versus time on Log–Log scale.

Well test, rate transient analysis and reservoir ...
A method is presented to characterize the anisotropic thermal properties of materials based on nanosecond transient thermoreflectance (TTR). An analytical heat transfer model is derived for the TTR signal, showing that the signal is sensitive to out-of-plane and in-plane heat conductions at distinct time scales.

Nanosecond transient thermoreflectance method for ...
For thermal characterization of bulk material, the steady-state method, transient hot-wire method, laser flash diffusivity method, and transient plane source method are most used. For thin film measurement, the 3ω method and the transient thermoreflectance technique including both time-domain and frequency-domain analysis are widely employed.

Measurement Techniques for Thermal Conductivity and ...
DR15.20: Characterizing the Transient and Aggregate Response of Dispatchable Condenser Air Pre-Coolers SCE DRET Findings ... a method of saving energy associated with air conditioning at part load conditions, reducing peak electricity demand, and permanently reducing electric load.

DR15.20: Characterizing the Transient and Aggregate ...
Characterizing the Transient and Aggregate Response of Dispatchable Condenser Air Pre-Coolers DR15.20.00 Southern California Edison Page i Emerging Products EXEUTIVE SUMMARY INTRODUCTION Evaporative condenser air pre-coolers, or "pre-coolers," use evaporative cooling methods to

Characterizing the Transient and Aggregate Response of ...
Evaporative condenser air pre-coolers, or "pre-coolers," use evaporative cooling methods to pre-cool the inlet air to the condenser of an air conditioning system. This project sudied the technology as a dispatchable demand response resource,, controlled by the utility for grid management.

Characterizing the Transient and Aggregate Response of ...
Characterizing Tissue Fate After Transient Cerebral Ischemia of Varying Duration Using Quantitative Diffusion and Perfusion Imaging. Juergen ... This method set a fixed value above which the pixels within the T2 map were considered ischemic in groups 1 and 2. The T2 threshold was 77.9±3.6 ms, a 30±4% increase as compared with the mean of the ...

Characterizing Tissue Fate After Transient Cerebral ...
TECHNICAL FIELD This invention relates to a method and apparatus for characterizing a radio transmitter, and more particularly, to a method and apparatus for characterizing a radio transmitter based on its transient turn-on and/or turn-off characteristics.

Method and apparatus for characterizing a radio ...
AbstractKnowledge of elevated-temperature mechanical properties of structural steel is essential for accurate evaluation of structural behavior in a fire. As a result, various test procedures have ...