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Advanced Circuit Simulation Using Multisim Workbench is a companion book to Circuit Analysis Using Multisim, published by Morgan & Claypool in 2011. This new book covers advanced analyses and the creation of models and subcircuits.

Advanced Circuit Simulation Using Multisim Workbench

This book is concerned with circuit simulation using National Instruments Multisim. It focuses on the use and comprehension of the working techniques for electrical and electronic circuit simulation. The first chapters are devoted to basic circuit analysis.

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Advanced fire detection using multi-signature alarm ...

by DT Gottuk · 2002 · Cited by 176 — The objective of this work was to assess the feasibility of reducing false alarms while increasing sensitivity through the use of combined conventional smoke detectors with carbon monoxide (CO) sensors. This was accomplished through an experimental program using both real (fire) and nuisance alarm sources.

Advanced fire detection using multi-signature alarm algorithms *

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YOLOFM: an improved fire and smoke object detection algorithm based ...

by DT Gottuk · 1999 · Cited by 176 — Patented alarm criteria were established using algorithms consisting of the product of smoke obscuration and the change in CO concentration. Alarm algorithms utilizing ionization detector smoke measurements proved to be more effective than measurements from photoelectric detectors. 2002 Elsevier Science ...

Fire Alarms & Detection: Fire Signatures for Fire Detection

16 Mar 1999 — 108 Citations · A Study on the Early Fire Detection by Using Multi-Gas Sensor · Advanced fire detection algorithms using data from the home smoke detector project · Investigation of Multi-Sensor Algorithms for Fire Detection · Measurement system using ultraviolet and multiband infrared technology for ...

Multi sensor fire alarm tests to avoid false alarms - BRE Group

Majority of multi-criteria decision work was based on multi-sensor (multi-signature) decision algorithms – using different type of sensors on the same location or, rather, using different aspects (level and rise) of one sensor measured value.

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Bibliographic information ; Title, Advanced Fire Detection Using Multi-Signature Alarm Algorithms ; Contributor, National Institute of Standards and Technology ; Published, 2002 ; Export Citation, BiBTeX EndNote RefMan ...

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(PDF) Decision Algorithms in Fire Detection Systems

TL;DR: In this article, the authors assess the feasibility of reducing false alarms while increasing sensitivity through the use of combined conventional smoke detectors with carbon monoxide (CO) sensors through an experimental program using both real (fire) and nuisance alarm sources.

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A mathematical model for ionization-type smoke detectors and the reduced source approximation · Analysis of Unwanted Fire Alarm: Case Study.

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