
Hybrid Fault Reasoning And Guided Troubleshooting

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[arXiv:1711.03902v1 \[cs.AI\]](https://arxiv.org/abs/1711.03902v1) 10 Nov 2017

A Hybrid Rule-Based/Case-Based Reasoning Approach for Service Fault Diagnosis Andreas Hanemann Munich Network Management Team Leibniz Supercomputing Center Barer Str. 21, D-80333 Munich, Germany E-mail:

hanemann@lrz.de Abstract—In today ' s service market the provisioning of high quality services has become a critical issue for providers as

Hybrid case-based reasoning for on-line product fault ...

For claim, evidence, and reasoning writing, the strength of the argument depends on its evidence. Reasoning. Reasoning is the thinking behind the evidence that led to the claim. It should explain the evidence if necessary, and then connect it to the claim.

Hybrid case-based reasoning for on-line product fault ...

In this research, an optimized hybrid model is proposed by integrating a case-based reasoning (CBR) method and a BN-based diagnosis method. Initially, a FMEA-style case-based reasoning (F-CBR) method is proposed by collecting and formalizing the existed fault cases for the low-level similarity searching guided diagnosis.

A hybrid case-based reasoning and neural network approach ...

Hybrid Case-Based Reasoning for the Diagnosis of Complex Devices
M. P. F&et and J. I. Glasgow Department of Computing & Information
Science, Queen' s University, Kingston, Ontario, Canada, K7L 3N6
{feret,janice}@qucis.queensu.ca Abstract A novel approach to
integrating case-based reasoning with

Base on Hybrid Reasoning Mechanism Fans of Coal Fault

...

intelligent fault diagnosis system, known as WebService,
has been developed in order to support customer services
over the Web. In this research, a hybrid case-based
reasoning (CBR), artificial neural network (ANN) and rule-
based reasoning approach is adopted as the intelligent
technique for fault-diagnosis. The hybrid approach is
operated as ...

HYBRID FAULT REASONING AND GUIDED TROUBLESHOOTING SYSTEM ...

integrating machine learning and automated reasoning.
Such systems have shown promise in a range of
applications, including computational biology, fault
diagnosis, training and assessment in simulators, and
software veri cation. This joint survey reviews the personal
ideas and views of several researchers on neural-symbolic
learning and reasoning.

Hybrid Fault Reasoning And Guided Troubleshooting

2040: Deep Class-specific Affinity-Guided Convolutional Network for
Multimodal Unpaired Image Segmentation 2045: Memory-efficient
Automatic Kidney and Tumor Segmentation Based on Non-local
Context Guided 3D U-Net 50: TexNet: Texture Loss Based Network
for Gastric Antrum Segmentation in Ultrasound

1993-Hybrid Case--Based Reasoning for the Diagnosis of ...

Step 8: Reasoning and fault diagnostics. The observation
symptoms are acquired from the discretization of the current
operating data to obtain a diagnostics sample. Diagnostics
reasoning based on the diagnostics sample is conducted to
obtain the probabilities $P(S_j / F_i = \text{true})$ ($1 \leq i \leq m, 1 \leq j \leq n$) using
the

A hybrid support vector machine and fuzzy reasoning based ...

Highlights A hybrid support vector machine and fuzzy reasoning
based fault diagnosis and rescue system were developed for
stable glutamate fermentation. The proposed system had a
better fault-detection performance than that of neural networks
based system. The proposed system could classify different
biotin initial-content faults and rescue various failure-likelihood
glutamate fermentations.

Fault Diagnosis System for Large-Scale Equipments Based on ...

The reasoning machine adopts the mixed reasoning mechanism
which is based rules and examples, consequently achieved the
function of expert system to self-learning and self-improvement. After
fans of coal fault diagnosis expert system is put in to use, the
operation and maintenance of fans is significantly improved.

Claim, Evidence, Reasoning: What You Need to Know | It's ...

Hybrid Fault Reasoning And Guided

(PDF) A Hybrid Case-Based Reasoning and Neural Network ...

This application relates to a fault reasoning and guided
troubleshooting system, which combines aspects of model-
based reasoning, and case-based reasoning to provide a hybrid
approach. One method of identifying faulty components in large
systems, such as gas turbine engines, is called "fault

reasoning”.

A Web-based Intelligent Hybrid System for Fault Diagnosis

Because of their complex structures, diverse functions, and cross-correlation among subsystems, the fault of large-scale equipments occurs easily, but its trouble shooting is difficult. Firstly, a hybrid reasoning method is proposed, and the framework of fault diagnosis system is constructed according to characteristics of case based reasoning (CBR) and rule based reasoning (RBR).

Papers with code. Sorted by stars. Updated weekly. -
zziz/pwc

5th Oct : 10:30 UTC Biological/Optical/Microscopic Imaging ...

Overview and Basic Terminology. This guide to fault detection and fault diagnosis is a work in progress. It will evolve over time, especially based on input from the LinkedIn group Fault Detection and Diagnosis.. Fault detection and diagnosis is a key component of many operations management automation systems.

Diagnostic Reasoning - an overview | ScienceDirect Topics

This paper presents a hybrid case-based reasoning system for on-line technical support of PC fault diagnosis. HyCase consists of a natural language (keyword) input and the graph-theoretic ...

[A Hybrid Rule-Based/Case-Based Reasoning Approach for ...](#)

Patent application title: HYBRID FAULT REASONING AND GUIDED TROUBLESHOOTING SYSTEM Inventors: Ravi Rajamani Michel D. Paquet Baban V. Baliga Andrew Paul Gagnon Agents: CARLSON, GASKEY & OLDS/PRATT & WHITNEY Assignees: Origin: BIRMINGHAM, MI US IPC8 Class: AG06N702FI USPC Class: 706 52 Patent application number: 20090276387 Abstract: A fault reasoning system combines both a model-based ...

HYBRID FAULT REASONING AND GUIDED TROUBLESHOOTING SYSTEM ...

This paper presents a hybrid case-based reasoning system for on-line technical support of PC fault diagnosis. HyCase consists of a natural language (keyword) input and the graph-theoretic constraint-net. Natural language or keyword inputs are parsed and then generated into a constraint-net. The constraint-net is validated and its links rationalized and standardized to minimize ambiguity.

GitHub - zziz/pwc: Papers with code. Sorted by stars ...

Keywords: Intelligent fault diagnosis, hybrid approach, case based reasoning, neural network, Web-based help desk 1.

Introduction A multinational corporation in Singapore manufactures and supplies insertion and surface mount machines for use in the electronics industry. A hot-line service centre (or help desk) was set up by the