adaptive and fault tolerant pdf
Adaptive Execution Assistance for Multiplexed Fault-Tolerant Chip Multiprocessors Pramod Subramanyan Virendra Singh Princeton University, Princeton, NJ Indian Institute of Science, Bangalore, India

Adaptive Execution Assistance for Multiplexed Fault
The separation of the application from its fault tolerance mechanisms for instance was a good way to make the system adaptive, the application and mechanisms reusable.

(PDF) Adaptive Fault Tolerant Systems: Reflective Design
In this paper, an adaptive proportional-integral controller based on a fuzzy relational model is developed for the purpose of fault tolerant control in a nonlinear, information-poor system. First, the methods of fault tolerant control are briefly introduced. An air-cooling subsystem in a heating, ventilating and air-conditioning system is used as an example to describe the fuzzy relational ...

An adaptive fault tolerant neuro-fuzzy based proportional
In this paper, an adaptive finite-time fault-tolerant control scheme is proposed for the attitude stabilization of rigid spacecrafts. A first-order command filter is presented at the second step of the backstepping design to approximate the derivative of the virtual control, such that the singularity problem caused by the differentiation of the virtual control is avoided.

Adaptive Finite-Time Command Filtered Fault-Tolerant
(2009) Adaptive backstepping fault-tolerant control for flexible spacecraft with bounded unknown disturbances. Proceedings of the 48h IEEE Conference on Decision and Control (CDC) held jointly with 2009 28th Chinese Control Conference , 788-793.

Indirect Robust Adaptive Fault -Tolerant Control for
â€œDistributed adaptive fault-tolerant control of uncertain multi-agent systems,â€• in 9th IF AC Symposium on F ault Detection, Supervision and Safety for Tec hnical Processes , September 2015.

(PDF) Distributed adaptive fault-tolerant control of
and samples at the desired resolution within a given search region. The algorithm is fault tolerant to physical faults with minimal survey overlaps.

Multi-AUV Fault Tolerant Adaptive Sampling - MBARI
-1-Adaptive Fault Tolerant Systems: Reflective Design and Validation Marc-Olivier Killijian and Jean-Charles Fabre LAAS-CNRS, 7, avenue du Colonel Roche, 31077 Toulouse Cedex 4, France

Adaptive Fault Tolerant Systems: Reflective Design and
Key words Fault-tolerant control (FTC), robust adaptive control, actuator failures, disturbance rejection, asymptotically stable In most practical control systems, components0 (includ-ing sensors, actuators, and even the plant itself) failures may occur at uncertain time and the size of a fault is also

Robust Adaptive Fault-tolerant Compensation Control with
This paper proposes an adaptive fault tolerant attitude control method for the reentry vehicle's attitude control system, by combining the radial basis function network technology with adaptive fault tolerant control method.

Adaptive fault-tolerant attitude control for reentry
This paper addresses the problem of adaptive fault estimation and fault-tolerant control for a class of nonlinear non-Gaussian stochastic systems subject to time-varying loss of control effectiveness faults.

Adaptive fault-tolerant shape control for nonlinear
A Connected tree-hypercube with faulty links and/or nodes is called injured tree-hypercube. To enable any non faulty node to communicate with any other non faulty node in an injured tree-hypercube, the information on component failures has to be made available to non faulty nodes to route message around the faulty components. We proposed an adaptive fault tolerant routing algorithm for an ...

Adaptive Fault Tolerant Routing Algorithm for Tree
1 Adaptive Fault Tolerant QoS Control Algorithms for Maximizing System Lifetime of Query-Based Wireless Sensor Networks Ing-Ray Chen*, Anh Phan Speer* and Mohamed Eltoweissy+

Adaptive Fault Tolerant QoS Control Algorithms for
This dissertation, written by Mehmet Ismet Can Dede, and entitled Adaptive Fault- Tolerant Teleoperation, having been approved in respect to style and intellectual content, is referred to you for judgment.

Adaptive Fault-Tolerant Teleoperation - FIU Digital Commons
This paper investigates the fault-tolerant synchronization control (FTSC) problem for a dual redundant hydraulic actuation system (DRHAS), which works on active/active (A/A) mode and suffers from a kind of common-mode fault (CMF), i.e., internal leakage faults occurring in both hydraulic actuator ...

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