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Model predictive control (MPC) is an advanced method of process control that is used to control a process while satisfying a set of constraints. It has been in use in the process industries in chemical plants and oil refineries since the 1980s. In recent years it has also been used in power system balancing models and in power electronics. Model predictive controllers rely on dynamic models of ...

### **Model predictive control - Wikipedia**

Applied Soft Computing is an international journal promoting an integrated view of soft computing to solve real life problems. Soft computing is a collection of methodologies, which aim to exploit tolerance for imprecision, uncertainty and partial truth to achieve tractability, robustness and low solution cost.

### **Applied Soft Computing - Journal - Elsevier**

Automation, Control and Intelligent Systems (ACIS) provides readers with a compilation of stimulating and up-to-date articles within the field of intelligent systems. The focus of the journal is on high quality research that addresses paradigms, development, applications and implications in the field of intelligent systems. All research articles in ACIS will undergo rigorous peer ...

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Pure and Applied Mathematics Journal (PAMJ) is a mathematical journal for publishing early, high-impact results in the areas of mathematics and computer science/informatics. The journal also emphasizes mathematical articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, engineering and all applied sciences.

### **Pure and Applied Mathematics Journal :: Science Publishing**

Journal of Mathematical Modeling (JMM) publishes original high-quality peer-reviewed papers in all branches of computational or applied mathematics. It covers all areas of numerical analysis, numerical solutions of differential and integral equations, numerical linear algebra, optimization theory, approximation theory, control theory and fuzzy theory with applications, mathematical modeling in ...

### **Guilan - Journal of Mathematical Modeling (JMM)**

Author: Gabriel Policroniades Chã-puli , Idalia Flores de la Mota, Olivia Sashiko Sibirai Reyna, Javier Lara de Paz  
Date: December 13, 2018

### **Journal of Applied Mathematics and Computation\_Hill**

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### **Resolve a DOI Name**

Abstract: The Lane-Emden conjecture says that the subcritical Lane-Emden system admits no positive solution. In this paper, we present a necessary and sufficient condition to the Lane-Emden conjecture.

### **American Institute of Mathematical Sciences**

Summer School & Workshop Wisla 19 is a registered satellite meeting of ICIAM 2019, The International Congress on Industrial and Applied Mathematics, to be held at Valencia(Spain),July 15-19,2019.

### **The site of Baltic Institute of Mathematics**

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Optimal control theory deals with the problem of finding a control law for a given system such that a certain optimality criterion is achieved.. It is an extension of the calculus of variations, and is a mathematical optimization method for deriving control policies.The method is largely due to the work of Lev Pontryagin and Richard Bellman in the 1950s, after contributions to calculus of ...

### **Optimal control - Wikipedia**

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### **Introduction to Robotics Module: Trajectory generation and**

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### **3 Dimension 1: Scientific and Engineering Practices | A**

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### **Human-Competitive Awards 2004 – Present**

1.1.22 UEL User subroutine to define an element. Product: Abaqus/Standard Warning: This feature is intended for advanced users only.Its use in all but the simplest test examples will require considerable coding by the user/developer.

