mathematical modeling of warfare and
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This review gives an overview of mathematical models of apoptosis and the potential of systems biology to contribute to the development of novel therapies for cancer or other apoptosis-related
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Here, we used a physiologically based mathematical model of oxygen diffusion and consumption to calculate oxygen profiles within the granuloma, assuming Michaelis-Menten kinetics. An approximate
mathematical model of oxygen transport in tuberculosis granulomas
This paper presents a model of warfare as the result of domestic political calculations. When incumbents have an edge in fighting wars, they may start wars even if those wars run counter to their
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It also meant that muskets and cannon became a common feature of warfare, and this led to the During the Civil War of the 1640s, Cromwell's New Model Army laid down a model for the modern
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Methods The histopathology laboratory of a large academic hospital in The Netherlands was analysed using mathematical modelling. Data were collected from the Laboratory Management System to determine
predicting turnaround time reductions of the diagnostic track in the histopathology laboratory using mathematical modelling
From the time of quills and cannons to our era of cyber-attacks and drone warfare, mathematics Rather, adding the rigor of mathematical analysis has allowed them to solve more of the puzzle.
how a political scientist knows what our enemies will do (often before they do)
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Pretty much everybody dislikes math class. Let's face it—the teacher goes on talking and all the students are finding ways to have more fun. Though sometimes math class can seem like something just to
how to enjoy learning math
Yet there is an issue more practically important to economics than either of these, which I label the efficiency question: regardless of how exactly models represent, or of whether their role is
the efficiency question in economics
From the time of quills and cannons to our era of cyber-attacks and drone warfare, mathematics Rather, adding the rigor of mathematical analysis has allowed them to solve more of the puzzle.

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Any piece of origami will contain mathematical ideas and skills, and can take you on a fascinating, creative journey. The "building blocks" of origami models As a geometer (mathematician who studies
learn how to make a sonobe unit in origami - and unlock a world of mathematical wonder
but has expanded broadly across applied mathematics and modeling of complex systems. I have worked on such diverse topics as complex networks, epidemiological modeling, power systems, with applications
joseph d. skalkia
A large number of in vivo animal models and in vitro models based on animal tissues can generate seizures and seizures-like phenomena. Although in some instances there is much known about the mechanism
large scale brain models of epilepsy: dynamics meets connectomics
Thanks to new military technologies and the horrors of trench warfare, World War I saw unprecedented The British Bristol Type 22 was another popular model used for both reconnaissance work
world war i
He received his M.S. in Statistics from Utah State University in 2010, and a B.S. in Mathematics from Utah State EM Hankis, MB Hooten, MW Alldredge (2015). Continuous-Time, Discrete-Space Models of
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Rather than directly invade Ukraine again, Russia instead seeks to further destabilize Ukraine in advance of its elections, station troops in Belarus, divide NATO, and precipitate Western concessions
russia's aggression against ukraine is backfiring
He received his M.S. in Statistics from Utah State University in 2010, and a B.S. in Mathematics from Utah State EM Hankis, MB Hooten, MW Alldredge (2015). Continuous-Time, Discrete-Space Models of
scholar-us project is set of computation and simulation software written a linear algebra library focused on ease of use, hadiras a microwave modeling framework implementing Transverse
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(5) Constrained optimization theory and the Karush-Kuhn-Tucker Theorem, which is the basic tool for analyzing the mathematical model of human behavior that economists use.
maxwell b stinchcombe
Assessing the contribution of CSIS toward achieving a network-centric warfare (NCW) capability is a major challenge the underlying construct that describes the C4ISR process we model here:
exploring information superiority: a methodology for measuring the quality of information and its impact on shared awareness
The paradoxical relationship between local incomes and the price of real estate is what I call "The Impossible
aspen's impossible math
He has been working for many years on sustainable energy technology and in particular on computational fluid dynamics (CFD) modelling of various energy processes and a wide range of industrial fluid
professor lim ma
Career opportunities include mathematical modeling, simulation and forecasting, database mining and resource management. The techniques covered during the year will allow students to work in advanced
high performance computing (m.sc. / p.grad.dip.)
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Breakthroughs in the precision and cooling mechanism of infrared sensors are pushing forward the country's development of hypersonic weapons, researchers say.