

Mathematical Modelling Of Stirling Engines

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In this chapter, a more realistic mechanical model of the Stirling engine is employed ... are identified which yield maximum brake work output. In the interest of mathematical tractability, the ...

Chapter 10: Optimum Stirling Engine Geometry

Other examples include harmonic analysis and wavelet applications, each providing feedback to the other; and string theory, a customer for topology as well as a powerful engine driving ... We need ...

Mathematics -- The Science of Patterns and Algorithms

Back in the 1960s, Sweden had begun developing a modernized version of the Stirling engine, a closed-cycle ... The 'medium' model intended for Swedish service would measure 63-meters long ...

You'll Never Guess Which Country is Leading Submarine Innovation

On the heels of a small stirling engine we featured, an astute Hackaday reader sent in a few awesome builds from HMEM, the home model engine machinist forum. First up is a fantastic looking ...

Incredible Home Made Miniature Engines

PNY announced today the launch of the LX2030 and LX3030 line of ultra high endurance SSDs to the company's assortment of ...

PNY LX2030 and LX3030 M.2 NVMe Gen3 x4 Solid State Drives More Endurance for Your Chia® Plotting Needs

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Predictive maintenance is a key to saving future resources

By 2050, faster adoption of electric vehicles (EVs) and faster generation of renewable energy will result in 99% less fossil fuel consumed and 93% less CO2 emissions from passenger and freight ...

More EVs could reduce CO2 emissions in Hawaii by 93% in less than 30 years

Back in the early 2000s, Mercedes-Benz joined forces with McLaren and created one of the most impressive grand tourers ever built, the mighty SLR. Although it didn't feature any AMG badges, the ...

The Bespoke AMG Supercharged V8 at the Heart of the Mercedes-Benz SLR McLaren

and there are actual mathematical models that can be used to simulate it. A minor adjustment in separation, alignment, and cohesion can adjust exactly how they all interact and move. From a simulation ...

Testing the New 3DMark CPU Benchmark: For the Boids

Even when we use search engines like google or avail of a discount ... children today need to develop mathematical thinking so that they can be a part of a world where automation and Artificial ...

“WHY” mathematics is the future

The design of trading algorithms requires sophisticated mathematical models backed up by reliable data ... and hedge funds focusing on implementing advance derivative valuation engines and algorithmic ...

Algorithmic and High-Frequency Trading

Applications of machine learning and other forms of artificial intelligence have been recognized in robotics and analytics. Now the technology is adding some spice to basic control applications.

When Artificial Intelligence Comes to Control

The mathematics of counting, combinations and ordering eventually leads to symbolic representations, algorithmic thinking and finally, the Turing machine model. Much like Einstein's light clock or ...

The Foundations of Computer Science

Big names require big-name cars. Take Batman, for example. Without the Batmobile, whenever the Penguin came calling, he'd be forced to hitch a ride in Alfred's 1986 Ford Taurus. While it ...

28 Most Expensive Celebrity Cars in the World

By 2050, faster adoption of electric vehicles (EVs) and faster generation of renewable energy will result in 99% less fossil fuel consumed and 93% less CO2 emissions from passenger and freight ...

More EVs could reduce CO2 emissions by 93% in less than 30 years

i Natural Energy Institute in SOEST, created mathematical models of four scenarios based ... of transitioning from internal combustion engine vehicles to plug-in electric vehicles (EVs).