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Pākehā do not do Pākehā science, and Māori do not do Māori science. We all do the same science and no one group has special claim to it. Seven Auckland University professors recently wrote an open ...

Science can't be Pākehā or Māori, it's just science

What if Earth's atmosphere was infused with extra carbon dioxide, mused amateur scientist Eunice Foote in an 1856

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research paper that concluded the gas was very good at absorbing heat.

No 'eureka moment': the evolution of climate science

The popular idea that we can use soil as a giant carbon sink is based on some shaky science. The hope was that the soil might save us. With civilization continuing to pump ever-increasing amounts of ...

A Major Climate Idea Is Based on Some Shaky Science

While residents have dutifully packaged up their trash, expecting it to be put to a green use, many have been left disappointed.

The recycling myth: Big Oil's plastic waste solution littered with failure

According to the U.S. Coast Guard's 2020 "Illegal, Unreported and Unregulated Fishing Strategic Outlook," IUU fishing has replaced piracy as the leading global maritime security threat. Sairdrone ...

Sairdrone Voyager: A Unique Solution for 24/7/365 Maritime Domain Awareness

In her "Ingraham Angle" Thursday, host Laura Ingraham said President Biden claims to issue edicts to the American people based on "the science", but in reality seeks to create a system where the ...

Ingraham: Biden seeks 'masks and mandates forever', as WH poised to guide 'the science' wherever they need

New research reviewed more than 200 studies, and found the science underpinning artificial refuges — think nest boxes and artificial burrows — must be improved.

Artificial refuges are a popular stopgap for habitat destruction, but the science isn't up to scratch

To build on the bold innovations in science, technology and innovations that produced life-saving solutions during the COVID-19 ...

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Learning from COVID-19, UN Forum to highlight critical role of science, technology and innovation

Data drives the investment world, but data science has seen greater wide-spread adoption in professional sports than it has in asset management. That's not to suggest asset managers and their clients ...

There's ROI in Data Science

A centuries-old concept in soil science has recently been thrown out. Yet it remains a key ingredient in everything from climate models to advanced carbon-capture projects.

A Soil-Science Revolution Upends Plans to Fight Climate Change

Artificial Intelligence Research Institutes awards, totaling \$40 million. A third award for \$20 million was granted to the Georgia Research Alliance (GRA), with Georgia Tech serving as one of the ...

Georgia Tech joins the U.S. National Science Foundation to advance AI research and education

Earth scientists are on the skilled occupation list for immigration even as universities cut back in this area. The problem lies with a funding model that offers no incentive to lift graduate numbers.

Australia badly needs earth science skills, but universities are cutting the supply

The Global Chip Shortage rages onward, and with such a colossal mismatch of supply and demand there are certainly a few lessons in managing the suppliers and relationships.

The Science And Art Of Managing Automotive Suppliers: Lessons From The Global Chip Shortage

Moving beyond Shark Week, these women-led groups teach thousands of students about the critical role sharks play in the marine ecosystem.

Meet the women diversifying shark science

To win swimming gold in Tokyo, swimmers not only have to generate incredible power with their arms and legs to propel themselves through the water; they also have to overcome the relentless pull of ...

The science of underwater swimming: How staying submerged gives Olympians the winning edge

Nearly 200 nations started online negotiations Monday to validate a UN science report that will anchor autumn summits charged with preventing climate catastrophe on a planetary scale. "The report that ...

Climate Science Report 'Critical For Success' Of COP26: UN

The London Science Museum is facing fresh criticism from climate campaigners following revelations that the institution signed a "gagging clause" with Shell banning it from criticizing the oil giant ...

Science Museum Just Killed Its 'Own Reputation,' Says Greta Thunberg After Docs Reveal Gag Clause With Shell

Nearly 200 nations start online negotiations Monday to validate a UN science report that will anchor autumn summits charged with preventing climate catastrophe on a planetary scale. Record-smashing ...

Takes a closer look at acids and bases and how they play key roles in our lives.

' Written by the founders of the new and expanding field of numerical algebraic geometry, this is the first book that uses an algebraic-geometric approach to the numerical solution of polynomial systems and also the first one to treat numerical methods for finding positive dimensional solution sets. The text covers the full theory from methods developed for isolated solutions in the 1980's to the most recent research on positive dimensional sets. Contents:Background:Polynomial SystemsHomotopy ContinuationProjective SpacesGenericity and Probability OnePolynomials of One VariableOther MethodsIsolated Solutions:Coefficient-Parameter HomotopyPolynomial StructuresCase StudiesEndpoint EstimationChecking Results and Other Implementation TipsPositive Dimensional Solutions:Basic Algebraic GeometryBasic Numerical Algebraic GeometryA Cascade Algorithm for Witness SupersetsThe Numerical Irreducible DecompositionThe Intersection of Algebraic SetsAppendices:Algebraic GeometrySoftware for Polynomial ContinuationHomLab User's Guide Readership: Graduate

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students and researchers in applied mathematics and mechanical engineering. Keywords: Polynomial Systems; Numerical Methods; Homotopy Methods; Mechanical Engineering; Numerical Algebraic Geometry; Kinematics; Robotics

Key Features: Useful introduction to the field for graduate students and researchers in related areas. Includes exercises suitable for classroom use and self-study. Includes Matlab software to illustrate the method. Includes many graphical illustrations. Includes a detailed summary of useful results from algebraic geometry.

Reviews: "The text is written in a very smooth and intelligent form, yielding a readable book whose contents are accessible to a wide class of readers, even to undergraduate students, provided that they accept that some delicate points of some of the proofs could be omitted. Its readability and fast access to the core of the book makes it recommendable as a pleasant read." Mathematical Reviews

"This is an excellent book on numerical solutions of polynomials systems for engineers, scientists and numerical analysts. As pioneers of the field of numerical algebraic geometry, the authors have provided a comprehensive summary of ideas, methods, problems of numerical algebraic geometry and applications to solving polynomial systems. Through the book readers will experience the authors' original ideas, contributions and their techniques in handling practical problems ... Many interesting examples from engineering and science have been used throughout the book. Also the exercises are well designed in line with the content, along with the algorithms, sample programs in Matlab and author's own software 'HOMLAB' for polynomial continuation. This is a remarkable book that I recommend to engineers, scientists, researchers, professionals and students, and particularly numerical analysts who will benefit from the rapid development of numerical algebraic geometry." Zentralblatt MATH

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