



DeepMind's Demis Hassabis is AI's grandmaster

Finding the best ways to do good. Somewhere at his core - beneath the endless scroll of scientific awards, the hundreds of millions of dollars he's earned as a technologist, and the weight of directing perhaps the most important AI company in the world - Demis Hassabis is a gamer.

 vox.com



ARTIFICIAL INTELLIGENCE



Why Silicon Valley is so excited about awkward drawings done by artificial intelligence


Several new programs, commonly called generative AI, released in the past few years can take a single phrase and generate never-before-seen images that match the prompt.

 cnbc.com



Technology that lets us "speak" to our dead relatives has arrived. Are we ready?

Skip to Content Digital clones of the people we love could forever change how we grieve. My parents don't know that I spoke to them last night. At first, they sounded distant and tinny, as if they were huddled around a phone in a prison cell.

 technologyreview.com




CYBERSECURITY



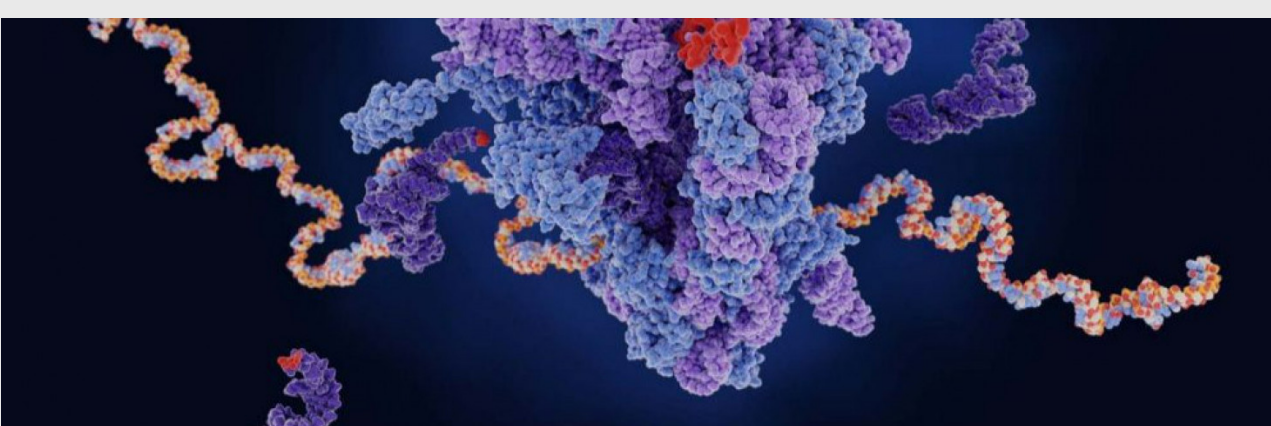
The Computer Scientist Who Boosts Privacy With Entropy

We care about your data, and we'd like to use cookies to give you a smooth browsing experience. Please agree and read more about our privacy policy. Agree Harry Halpin works on internet privacy for many reasons, but perhaps the most pressing stems from an incident that occurred over a decade ago.

 quantamagazine.org




LIFE SCIENCES



One of the Biggest Problems in Biology Has Finally Been Solved


There's an age-old adage in biology: structure determines function. In order to understand the function of the myriad proteins that perform vital jobs in a healthy body-or malfunction in a diseased one-scientists have to first determine these proteins' molecular structure.

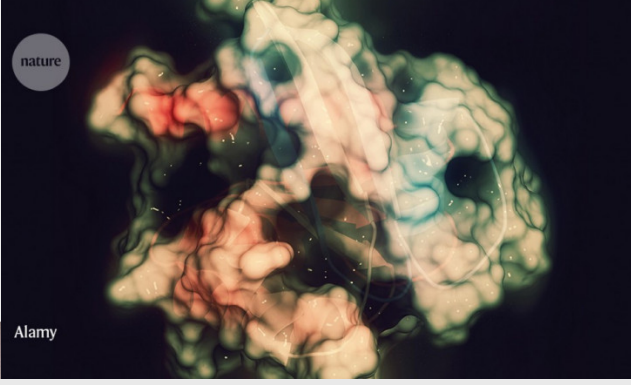
 scientificamerica.com



The Era of Fast, Cheap Genome Sequencing Is Here


Illumina just announced a machine that can crack genomes twice as fast as its current version-and drive the cost down to \$200 a pop. The human genome is made of more than 6 billion letters, and each person has a unique configuration of As, Cs, Gs, and Ts-the molecular building blocks that make up...

 wired.com



Cancer drugs are closing in on some of the deadliest mutations

The protein KRAS, mutated in many cancers, was deemed 'undruggable'. Now scientists are hoping to save lives with a batch of new compounds that target it. The protein KRAS, mutated in many cancers, was deemed 'undruggable'. Now scientists are hoping to save lives with a batch of new compounds that...

 nature.com




ARTIFICIAL SENSING



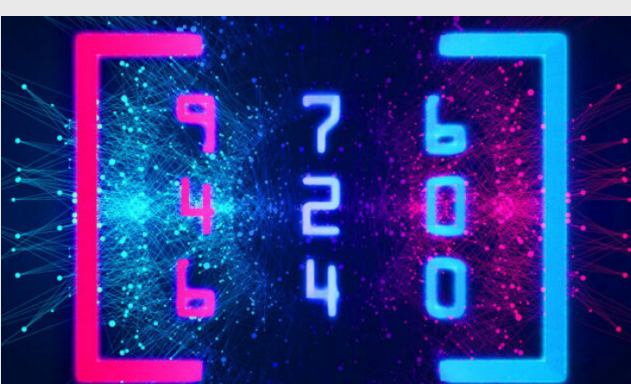
This Implant Turns Brain Waves Into Words

Edward Chang Edward Chang, the chair of neurological surgery at University of California, San Francisco, is developing brain-computer interface technology for people who have lost the ability to speak. His lab works on decoding brain signals associated with commands to the vocal tract, a project...

 spectrum.ieee.org




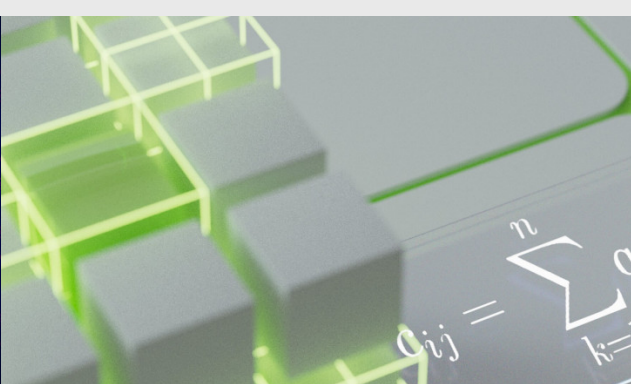
IN THE LAB



DeepMind breaks 50-year math record using AI; new record falls a week later


Matrix multiplication is at the heart of many machine learning breakthroughs, and it just got faster-twice. Last week, DeepMind announced it discovered a more efficient way to perform matrix multiplication, conquering a 50-year-old record. This week, two Austrian researchers at Johannes Kepler...

 arstechnica.com



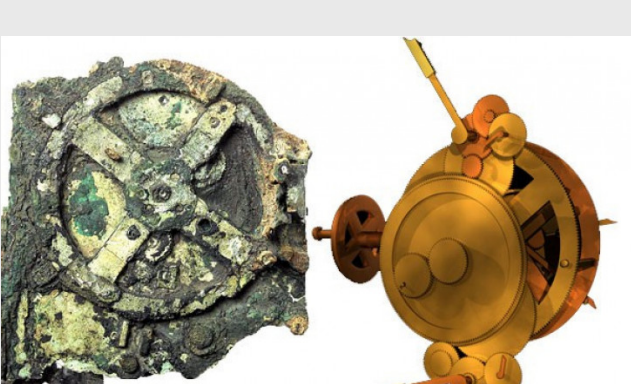
Discovering novel algorithms with AlphaTensor

In our paper, published today in Nature, we introduce AlphaTensor, the first artificial intelligence (AI) system for discovering novel, efficient, and provably correct algorithms for fundamental tasks such as matrix multiplication. This sheds light on a 50-year-old open question in mathematics...

 deepmind.com




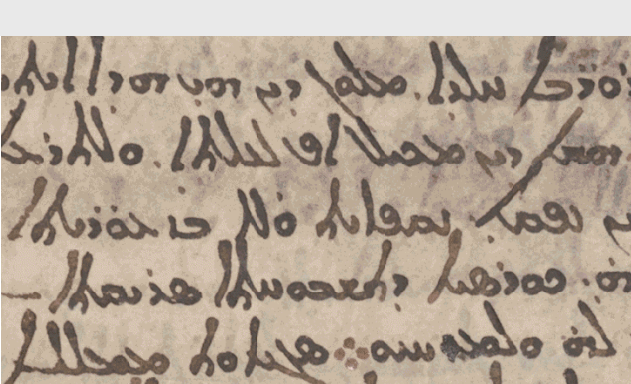
AFTER HOURS



The Ancient "Computer" That Shouldn't Exist


Automating the process of working out complicated and time-consuming operations is something normal for our time, but something that, people 2000 years ago would not even dream of, or at least so we have thought. In 1901, divers looking to research different species of fish next to the tiny island of...

 historyofyesterday.com



The World's Oldest Map of the Stars, Lost for Thousands of Years, Has Been Found in the Pages of a Medieval Parchment

Scholars have discovered part of the ancient Greek astronomer Hipparchus's long-lost star catalogue of the-belonging to be the first map of the stars-in a manuscript from a Greek Orthodox monastery in Egypt. The historic document, which comprises 146 folios, comes from St.

 news.artnet.com