



We have the tools to save the planet from climate change. Politics is getting in the way, new IPCC report says

We have the knowledge, money, technology and affordable clean energy that we need to cut our carbon emissions in half by 2030.

pbs.org



LIFE SCIENCES



The First Drug-Releasing Contact Lens Is Here

The FDA has approved daily disposables that release anti-allergy medication. Experts hope lenses could one day help treat cataracts and glaucoma.

wired.com

Finding the next pandemic virus before it finds us

The tricky work of seeking, sequencing, and sharing viruses around the world.

vox.com



ARTIFICIAL INTELLIGENCE



This horse-riding astronaut is a milestone in AI's journey to make sense of the world

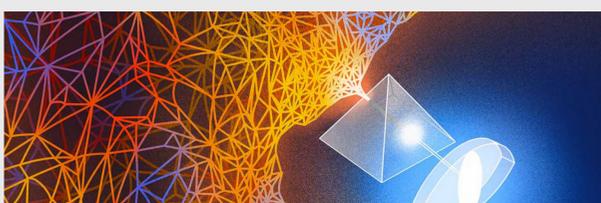
OpenAI's latest picture-making AI is amazing—but raises questions about what we mean by intelligence.

technologyreview.com

A Wave Of Billion-Dollar Language AI Startups Is Coming

Given language's ubiquity throughout the economy, few areas of technology will have a more far-reaching impact in the years ahead than NLP.

forbes.com



Will Transformers Take Over Artificial Intelligence?

A simple algorithm that revolutionizes how neural networks approach language is now taking on image classification as well. It may not stop there.

quantamagazine.org



ROBOTICS



The magnetic slime robot that could retrieve accidentally swallowed objects

A robot made of magnetic slime with a custard-like consistency can navigate narrow passages, grasp objects and fix broken circuits. It could be deployed insi...

you.tu.be



3D PRINTING



How 3D Printed Metamaterials Can Replace Bones

Research from the University of Leeds highlights how 3D printed metamaterials can provide support and stabilization to patients that have lost bones.

asme.org



ADVANCED MATERIALS



This Mushroom Leather Is Being Made into Hermès Handbags

A bioreactor-made material is being marketed as an animal-friendly leather alternative that also aims to help save the planet

scientificamerica...



ARTIFICIAL SENSING



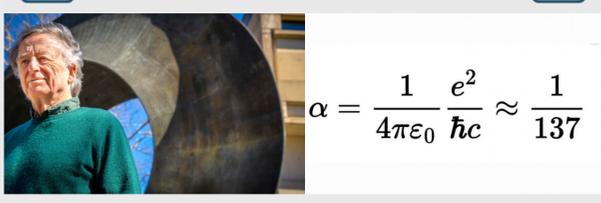
Envision Smart Glasses – A Game-Changer In Helping Blind People Master Their Environment

Envision AI glasses are a game-changer for blind people. In addition to advanced audio rendition of scenes, text and objects, the device offers a unique video calling feature. This enables blind people to receive effective guidance from friends and family, no matter how far away they are.

forbes.com



IN THE LAB



Dennis Sullivan, Uniter of Topology and Chaos, Wins the Abel Prize

The American mathematician invented entire new ways to understand shapes and spaces.

quantamagazine.org

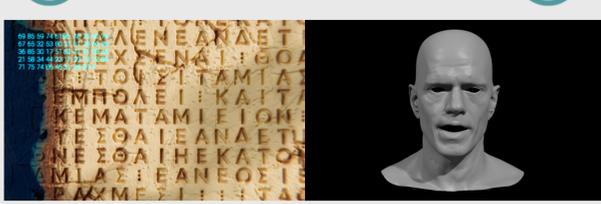
Life as we know it would not exist without this highly unusual number

The fine-structure constant is a seemingly random number with no units or dimensions, which has cropped up in so many places in physics, and seems to control one of the most fundamental interactions in the universe.

space.com



AFTER HOURS



Predicting the past with Ithaca

The birth of human writing marked the dawn of History and is crucial to our understanding of past civilisations and the world we live in today. For example, more than 2,500 years ago, the Greeks began writing on stone, pottery, and metal to document everything from leases and laws to calendars and...

deepmind.com

Omniverse Audio2Face App

AI-powered application that generates expressive facial animation from just an audio source.

nvidia.com



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