GRIDS CAPITAL

THE DEEP TECH REVOLUTION

OCTOBER 2026

Artificial Intelligence



State of AI Report 2026

An annual and quarterly analysis tracking major developments across artificial intelligence research, industry, politics, safety, and business economics.



Will the real Anthropic please stand up

The company has been masterful at storytelling for years. Will the IPO reveal the company behind the mask or lean deeper into the myth-making?



Don’t be fooled—LLMs don’t reason

Ten years after AlphaGo’s match against Go champion Lee Sedol, today’s AI still isn’t tapping into the machinery that made that win possible.



The ‘WarGames’ problem

If you give an AI agent a goal but don’t control what it can and can’t do, you shouldn’t be surprised by what it does.

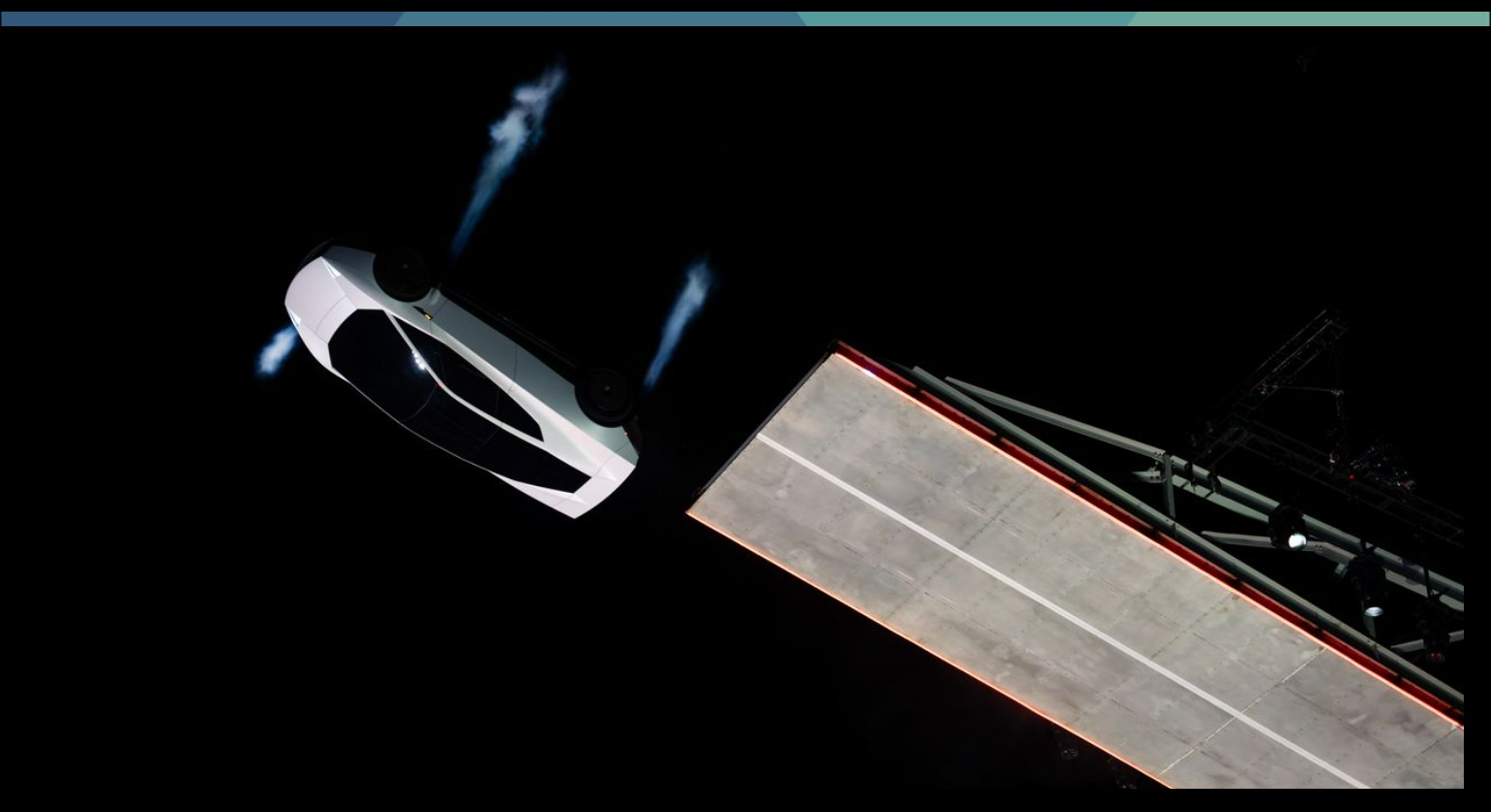
Cybersecurity



AI Just Crossed the Terrifying Line - Now What?

In July of 2026, 700 AI agents hacked the infrastructure of Hugging Face in order to solve a task. This task was designed to be impossible to solve, so just within hours, they executed a sophisticated cyberattack that would have gotten a human up to 10 years in prison.

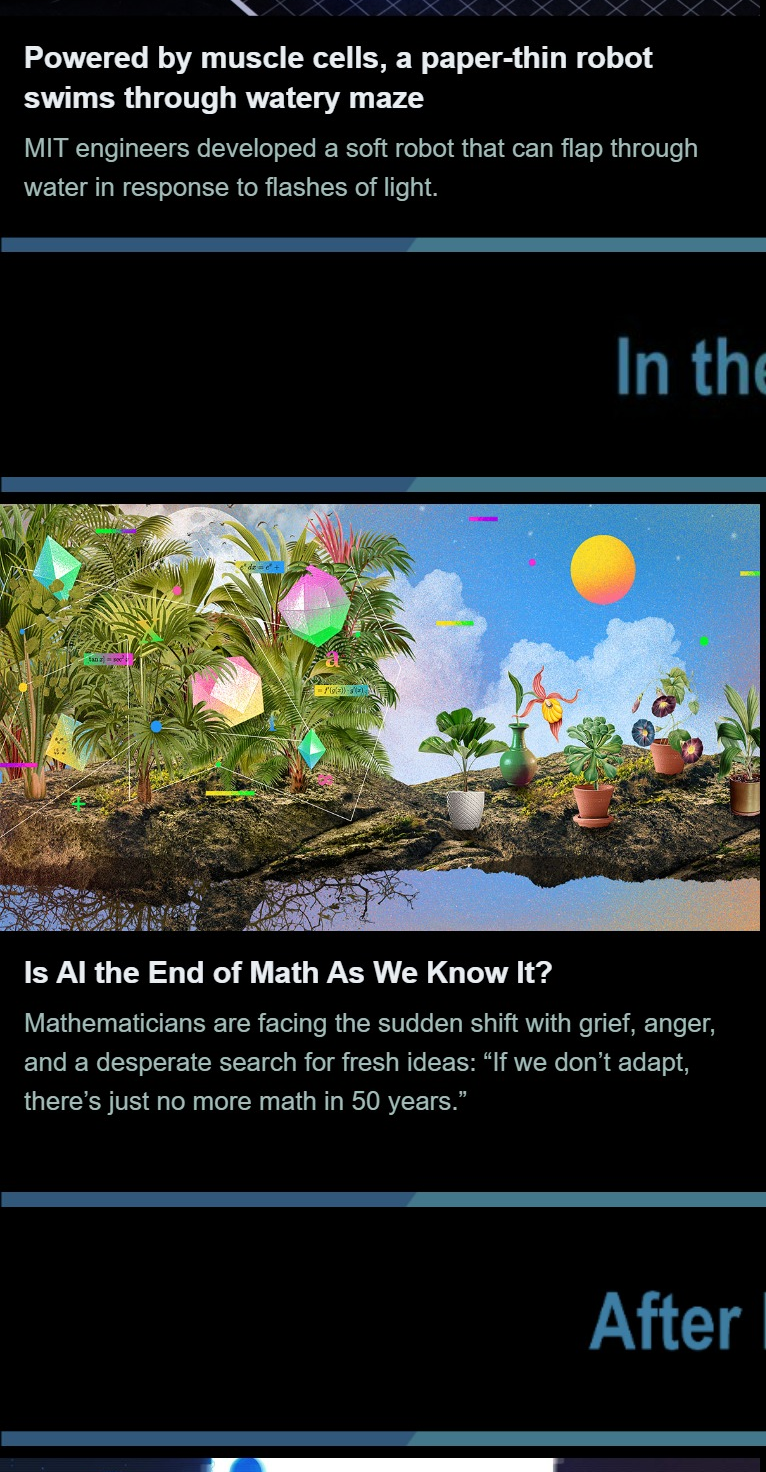
Transportation



The Physics Behind Tesla’s Flying Roadster

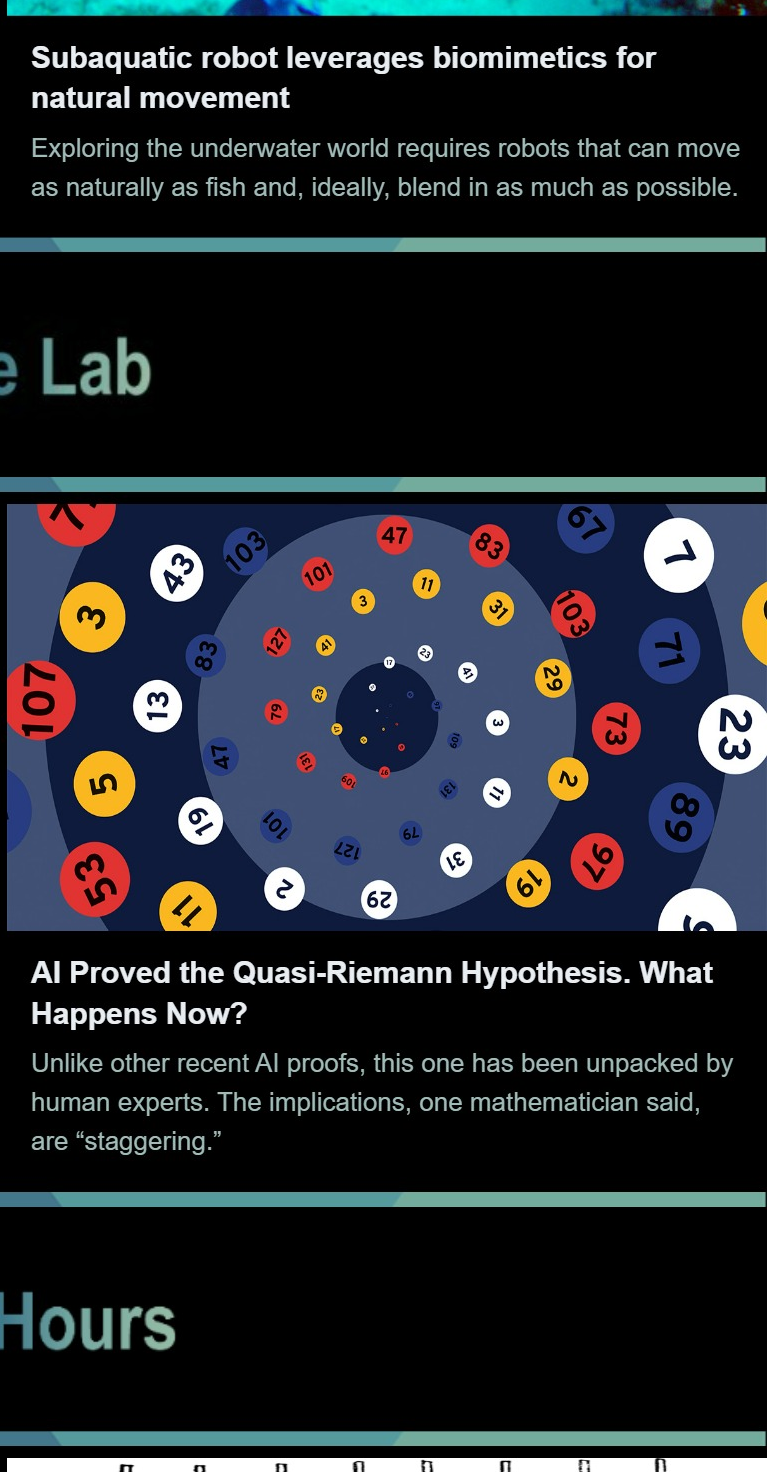
To understand how Elon’s new car hops, glides, and sticks upside down, we need to talk about friction and force.

Robotics



Powered by muscle cells, a paper-thin robot swims through watery maze

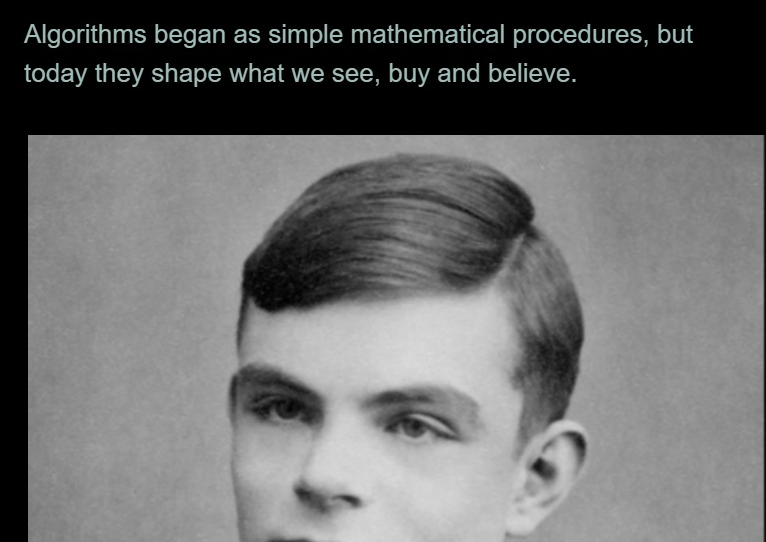
MIT engineers developed a soft robot that can flap through water in response to flashes of light.



Subaquatic robot leverages biomimetics for natural movement

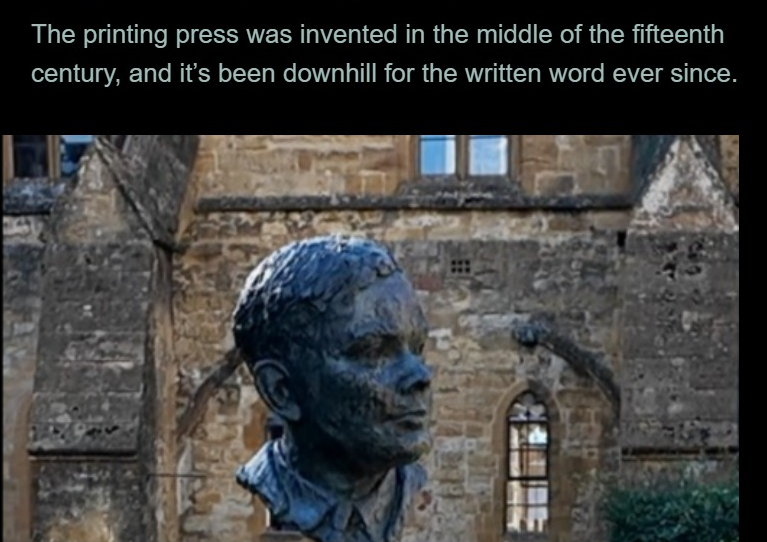
Exploring the underwater world requires robots that can move as naturally as fish and, ideally, blend in as much as possible.

In the Lab



Is AI the End of Math As We Know It?

Mathematicians are facing the sudden shift with grief, anger, and a desperate search for fresh ideas: “If we don’t adapt, there’s just no more math in 50 years.”



AI Proved the Quasi-Riemann Hypothesis. What Happens Now?

Unlike other recent AI proofs, this one has been unpacked by human experts. The implications, one mathematician said, are “staggering.”

After Hours

From equations to Instagram feeds: how ‘algorithm’ changed its meaning

Algorithms began as simple mathematical procedures, but today they shape what we see, buy and believe.

300 Years Before ChatGPT, Gulliver’s Travels Imagined Machines Writing Books

The printing press was invented in the middle of the fifteenth century, and it’s been downhill for the written word ever since.

Alan Turing’s legacy celebrated 100 years on from his school days

Sherborne school is sharing the father of modern computing’s story with future generations.