

Forum:[Hack Forums](#)

Thread: [OpenAI used \\$15 MILLION in tokens to tackle this 90-year-old mathematical mystery.](#)

Nikola.4737n - September 9, 2026, 7:38 am

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The Navier–Stokes equations describe how fluids move, from water swirling in a glass to air flowing over a wing.

The mystery is whether a smooth 3D flow can remain stable forever, or tighten into a singularity where velocity becomes infinite in finite time.

OpenAI deployed 10,000 coordinating AI agents, which would cost an everyday user \$15M in tokens, paired with a next-generation model. The system first solved a simpler version before producing a full result in just 88 hours.

The proposed solution identifies a vortex that spirals inward and stretches until the flow breaks down, while total energy remains finite.

The proof was then formally verified in Lean, allowing a computer to check every logical step.

The problem carries a \$1 MILLION Clay Mathematics Institute prize, which OpenAI says it will not accept.

Thalion - September 9, 2026, 7:57 am

Impressive indeed!

I used \$15 million worth of tokens trying to get Sora 2 to generate an authentic handshake scene.

Just kidding. ?

And this is an early stage. It will be exciting to see what's around the corner for AI and where it takes us next.

CPA Exposé - September 9, 2026, 12:26 pm

Damn. This is beyond my intelligence lmao. Pretty impressive though.

m1000 - September 9, 2026, 5:32 pm

Another testament to the power of AI! Just think about where we'll be in 10 years. Just incredible...

Nikola.4737n - September 10, 2026, 12:08 am

(Sep 9, 2026 07:57 AM)Thalion Wrote: [\[CITE\]](#) Impressive indeed!

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The Sora 2 comparison made me laugh. But yes, this really does feel like an early glimpse of what's

possible when AI systems can coordinate at this scale. If this is where we are now, it'll be fascinating to see what the next few years bring.

(Sep 9, 2026 12:26 PM)CPA Exposé Wrote: [\[CITE\]](#) Damn. This is beyond my intelligence lmao. Pretty impressive though.

Definitely way beyond my brain, but you've got to appreciate how impressive it is. We're living through some pretty wild developments in AI.

(Sep 9, 2026 05:32 PM)m1000 Wrote: [\[CITE\]](#) Another testament to the power of AI! Just think about where we'll be in 10 years. Just incredible...

Absolutely. If AI is already tackling problems at this level, it's hard to imagine what the next 10 years will look like. We're only scratching the surface. ?

Rahul007rhp - September 10, 2026, 7:35 am

I heard they stole it from an ongoing research by some mathematician

XtremeDiscount - September 10, 2026, 4:02 pm

Wow amazing read! Thanks OP!