



Dyson Sphere May Be the Key to Human Immortality

Matthew Hart

March 11, 2021 · 2 min read

Russian “life extensionist” Alexey Turchin experienced the loss of a classmate firsthand when he was young. Ever since, he’s been on a mission to figure out how to make humans, like Greek gods, immortal. And the latest iteration of the transhumanist’s “roadmap to immortality” involves, of course, a veritable sci-fi blend of superintelligent AI, universe simulations, and Dyson spheres—the hypothetical megastructures that completely encompass stars.

Turchin and fellow transhumanist Maxim Chernyakov outlined several future paths toward immortality in a paper they recently self-published. The paper, which comes via [Popular Mechanics](#), is titled “Classification of Approaches to Technological Resurrection,” and offers several ways people could theoretically not only defy death, but more fantastically, come back from the dead.

TRENDING

Young people of color are leading fight to save planet

Yahoo Life · 5 min read



How an indigenous climate-justice advocate, 18, got her start

Yahoo Life · 5 min read



'Afro-indigenous, Afro-Latina, transgender': This climate-change organizer's identities put him 'on the frontlines'

Yahoo Life · 5 min read



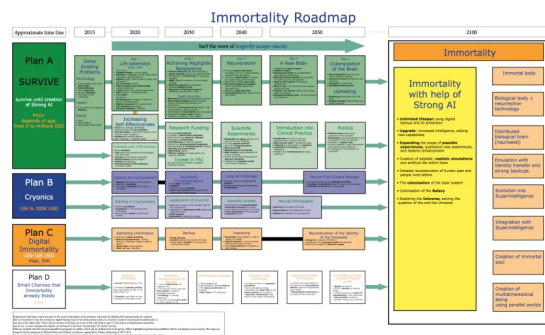
22-year-old is creating an anti-racist climate movement: 'We're trying to create a new future'

Yahoo Life · 6 min read



Vegan activist connects climate justice to racial justice: 'It's about making folks reflect on how it can impact their life'

Yahoo Life · 6 min read



A multi-row flow chart about the possibilities of human immortality.



no actual proof of its irreversibility,” the authors write. And “while no method is currently possible, many...may become feasible with future technological development.”

The authors explore both conventional and speculative ways of making humanity immortal, from cryogenics—shout out to *Futurama* and all the times [it made our brains freeze](#)—to uploading our brains into the cloud and then ultimately back into clone bodies.

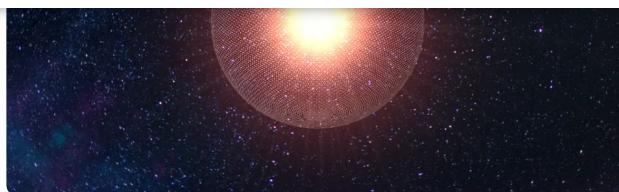


A rendering of a Dyson sphere—a circular solar panel glowing amongst stars in space.

Kevin Gill

Aside from the cryogenics approach, Turchin and Chernyakov say “strong AI” will be essential for life after death. (That is, being alive back in this life after death. Whatever “this life” is.) The [superintelligent form of AI](#), which could very well arise in our lifetime, would be instrumental in, say, uploading people’s consciousnesses to the cloud and then running them in simulated universes; à la *Black Mirror*’s “[San Junipero](#)” episode.

But the power demands required for that kind of AI, the authors say, would be gargantuan. And while Tesla batteries are [popping off production lines](#) at quite a clip, they just wouldn’t cut it. That’s where the Dyson spheres—shell-shaped solar panels encompassing stars, absorbing their energy—would come in.



A rendering of a Dyson sphere—a circular solar panel glowing amongst stars in space.

[Вісун](#)

The spheres, theorized by theoretical physicist Freeman Dyson, could come in multiple flavors; two of which are above. (The one immediately above shows a “swarm” of solar panels around a star.) And while humanity is likely to build neither in our lifetimes, if superintelligent AI does come online anyway, it could probably handle the task no problem.

The post [Dyson Sphere May Be the Key to Human Immortality](#) appeared first on [Nerdist](#).

LATEST STORIES



YAHOO LIFE

How an indigenous climate-justice advocate, 18, got her start: 'I was raised with that lens of taking care

Xiye Bastida talks about how her childhood in Mexico inspired her activism after moving to New York.

2d ago



YAHOO LIFE

'Afro-indigenous, Afro-Latina, transgender': How this climate-change organizer's identities put him 'on the

Vic Barrett was propelled into climate justice work "because of being Afro-indigenous, Afro-Latina, transgender and realizing that all of those things put me on the frontlines of...

2d ago

YAHOO LIFE SHOPPING

'No foot pain at all': Who knew Amazon's No. 1 bestselling sandals were just \$15?

Need house shoes? Podiatrists recommend wearing footwear inside to absorb shock — and these are loved by over 17,000 shoppers.

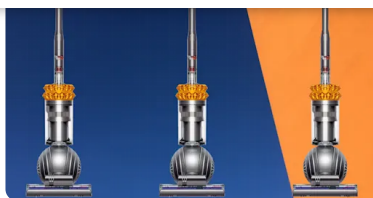


YAHOO LIFE SHOPPING

Shoppers are obsessed with this 'phenomenal' Dyson vac — and it's \$250 off, today only

'The incredible amount of dirt, dust, hair and debris that we collected on the first day of use was astounding,' one Best Buy shopper said.

2d ago



YAHOO LIFE

Hugging, double masking, traveling: How soon is too soon after you're fully vaccinated? Experts weigh in

While there is some guidance from the CDC on what is and isn't considered OK to do after you're fully vaccinated, it doesn't cover everything.

3d ago

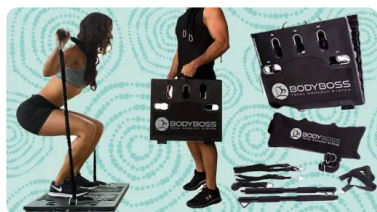


YAHOO LIFE SHOPPING

Best Buy just knocked an unreal \$700 off this robovac-mop hybrid — it's only 200 bucks!

Best Buy's best-kept secret is no longer a secret — get this miracle machine for nearly 80 percent off.

3d ago

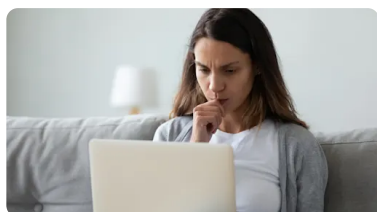


YAHOO LIFE SHOPPING

The 'world's first portable gym' is almost \$60 off today only—upgrade your outdoor workout!

You can workout anywhere with the BodyBoss 2.0. Get it for a steal right now at Amazon.

3d ago



YAHOO LIFE SHOPPING

Afraid of getting scammed online? Read this now

With internet scams on the rise during the pandemic, here are solid ways you can protect yourself and your information while buying online.

3d ago

YAHOO LIFE

From cozy joggers to a chic matcha set, Candace Cameron Bure's quarantine faves will have you

Fuller House star Candace Cameron Bure shows off her favorite finds during quarantine.

2d ago

YAHOO LIFE SHOPPING

The 5 best Amazon deals you can get this Thursday

Save up to 70 percent: We're talking a top-notch robovac on sale for \$70 and popular wireless earbuds for 21 bucks.

22h ago

Improve your daily life with better habits and software that'll speed things up.

4d ago

YAHOO LIFE

Should you still wear a mask outdoors? Experts say yes.

"There is still a significant portion of people who aren't vaccinated. It's just appropriate etiquette to wear a mask," one expert tells Yahoo Life.

4d ago

YAHOO LIFE

HGTV's Egypt Sherrod talks pandemic parenting: 'Now I have to be the more disciplined, patient mom'

The "girl mom" and HGTV host built herself an at-home meditation room during the pandemic.

3d ago

YAHOO LIFE

AnnaLynne McCord reveals she has dissociative identity disorder. Experts explain what that means.

The "90210" actress opened up about her disorder for the first time.

3d ago

YAHOO LIFE SHOPPING

This Fire HD 8 and Blink Mini Camera bundle has almost 70,000 Amazon fans—and it's \$50 off today

This duo is on sale for a lower price than the Fire HD 8 tablet alone—just \$75! (Photo: Amazon)

4d ago

IN THE KNOW

Marsella Munoz is protecting coral reefs by diving into open waters

Meet climate activist and researcher, Marsella Munoz, a Florida-native who dives into the ocean to gather scientific information on how to best restore and conserve coral reefs

2d ago

YAHOO LIFE SHOPPING

5 ways to give your phone an eco-friendly spring makeover—and plant a tree, too!

These adorable, spring-inspired smartphone accessories are made in part with plant-based materials, recycled plastics or are 100 percent compostable.

2d ago

YAHOO LIFE SHOPPING

Why is your computer slow on Windows 10? These 4 reasons may be to blame

Yep, you can have a slow computer—even on Windows 10. Here are 4 reasons why that's happening.

20h ago





Sign in

Mail

This is the biggest discount we've seen on the Micorderm Glo Mini, an at-home microdermabrasion tool that sheds away dull, dead skin cells.

4d ago



YAHOO LIFE SHOPPING

Best mask out there': Honeywell's newest face covering is back in stock at Amazon—and on sale
These tend to sell out, so act fast!

4d ago

