

Harmonizing Realms: Embracing Ethical Multi-Modal AI's Awakening

2024 IEEE Emerging Technology Reliability Roundtable

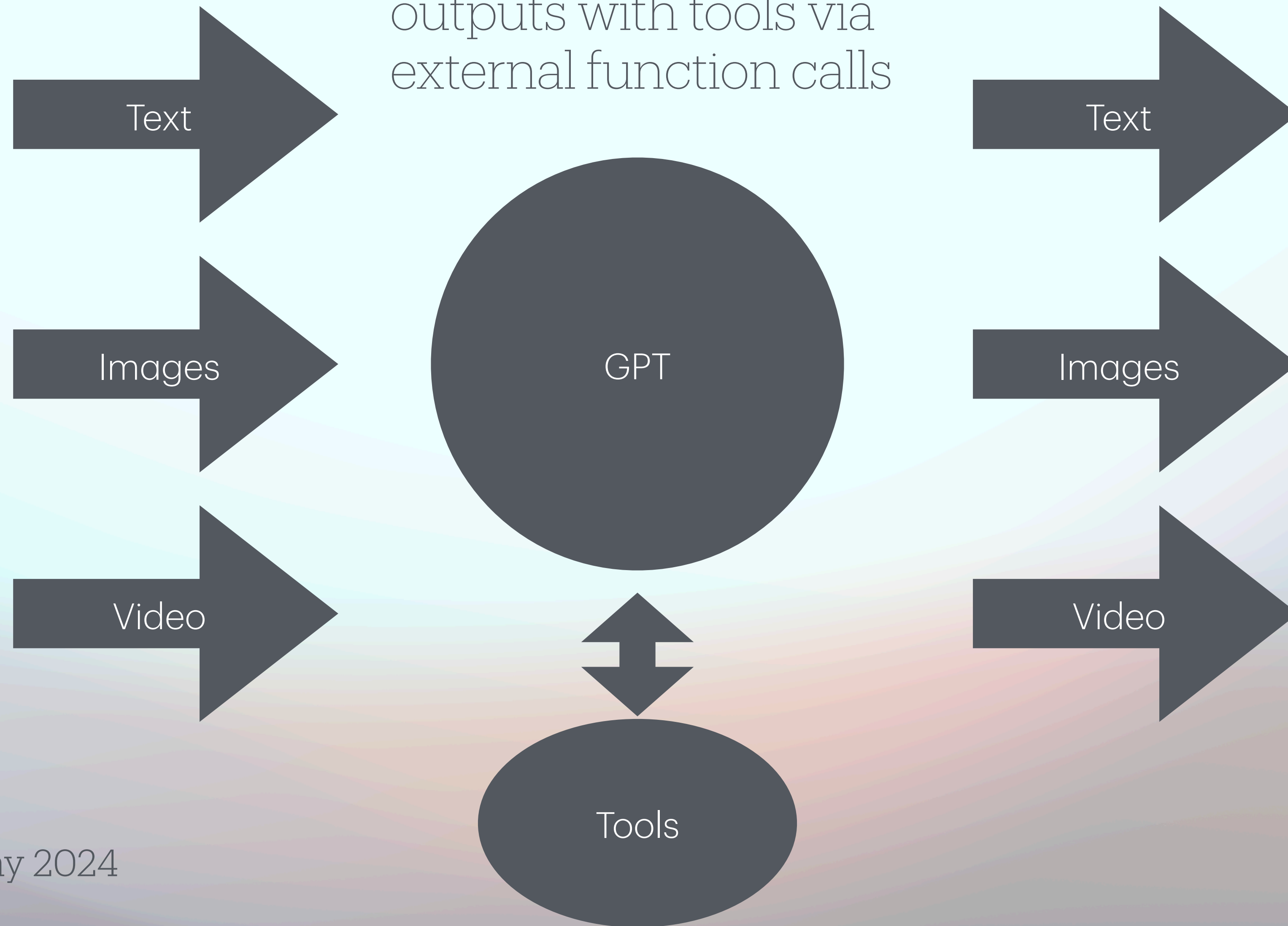
the only way of discovering the
limits of the possible is to venture a
little way past them into the
impossible

GPT, 2022



GPT, 2024

Multi model inputs and outputs with tools via external function calls



GPT, 2026-7

Imagine this is 1000x faster.
NVidia gave us 25x in one year,
so thats 2-3 years from now



GPT, 2030

Imagine it fits in your personal device. Let's say now we are 5 years out.

GPT, 2030

Today, GPT can generate
Text, Images, Video

In 2030, instantly.

GPT, 2030

What if you could ask for a story to be told and you just put your goggles on and it started?

GPT, 2030

and you were included
in it, as the hero?

GPT, 2030

And you could interact with
the characters in real time?

GPT, 2030

And change the story.
Replay, make different
decisions, play different roles

Would you rather watch
Starwars?

Or be IN Starwars?

Be the hero?
Or the enemy?
The love interest?

GPT, 2030

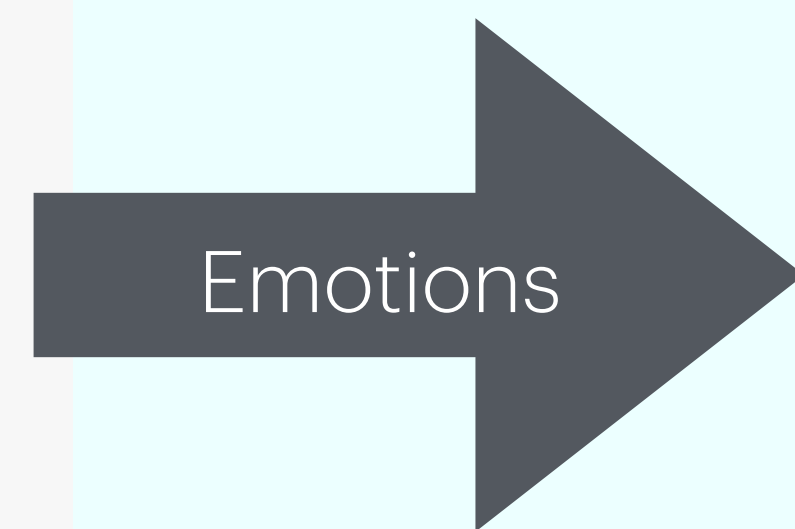
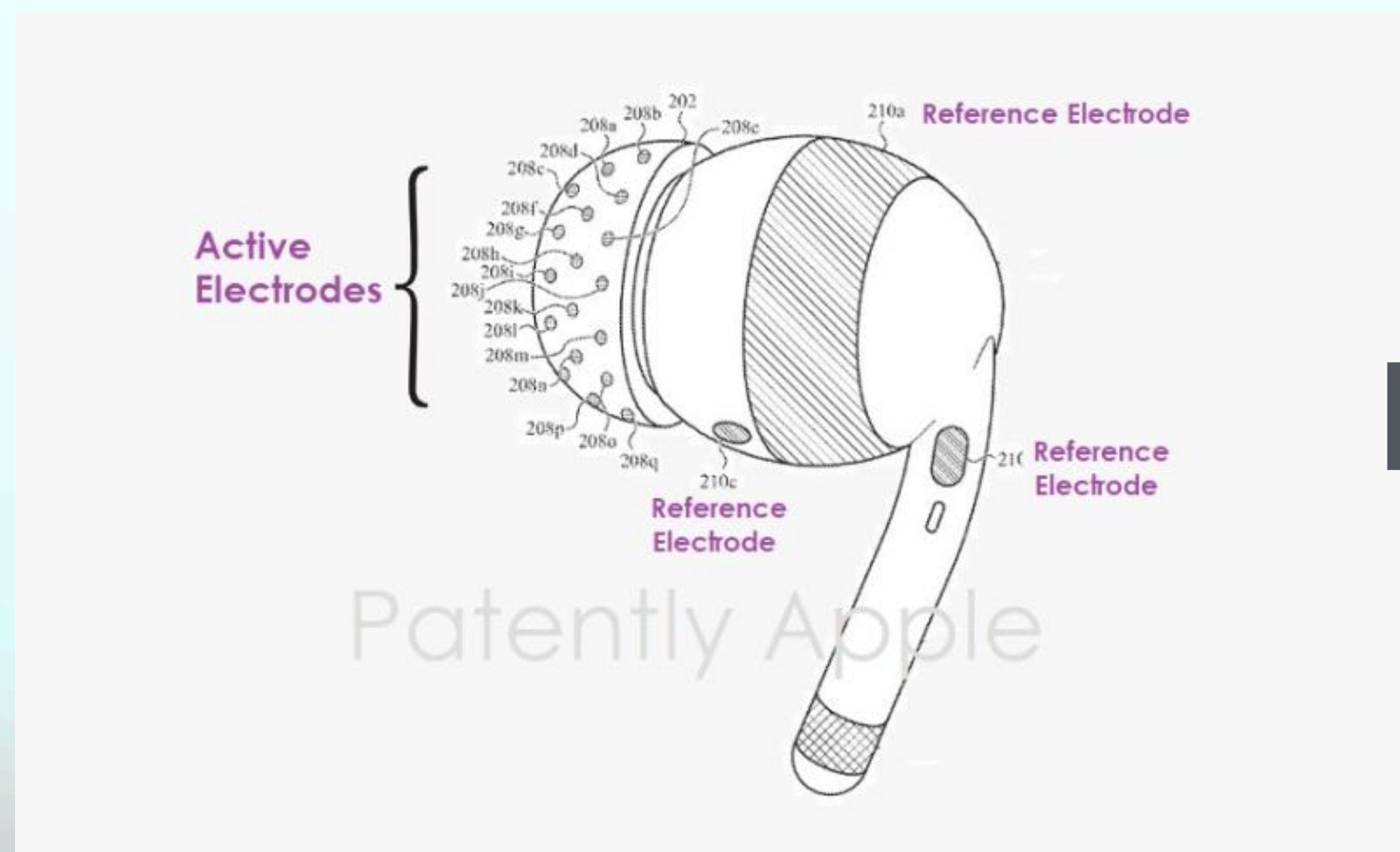
There's more

What if your devices
knew you
better than you did

Because they read your emotions
Through biometrics

Apple patent, 2024

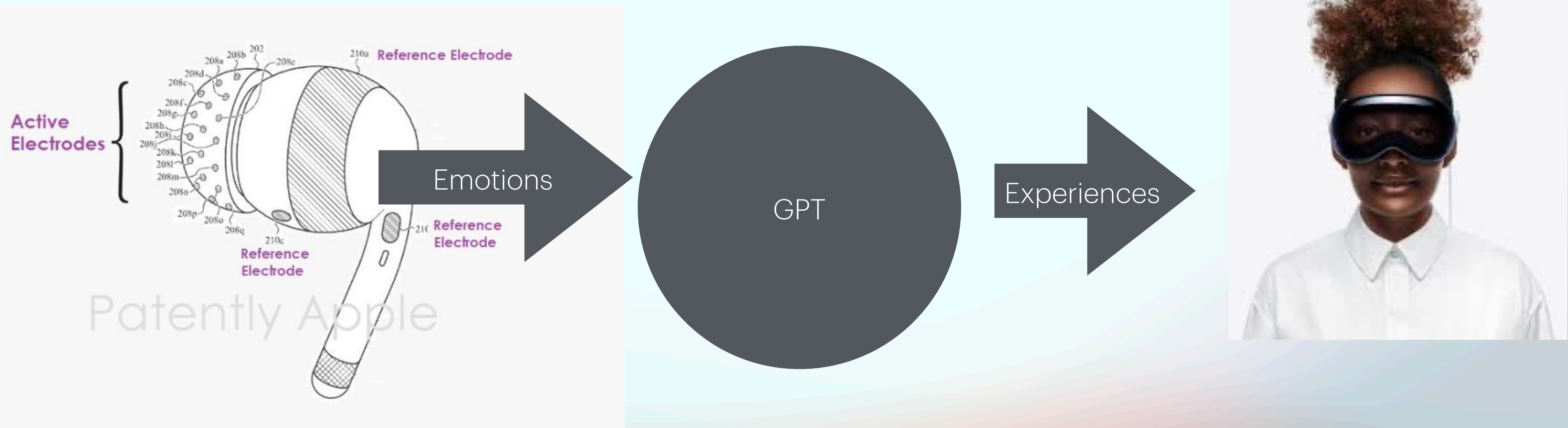
Emotion reading ear buds



What if we connected this to a GPT system that was 1000x faster than today?

Integrated system, 2026

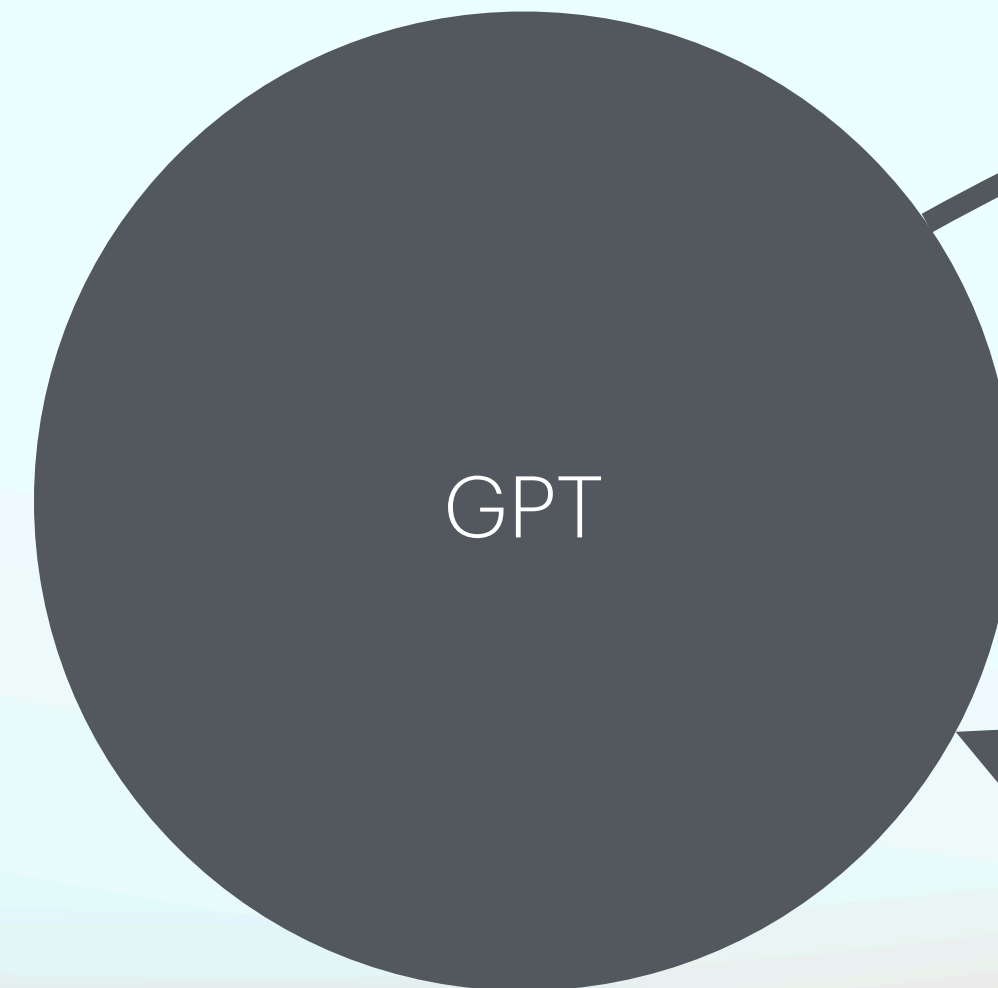
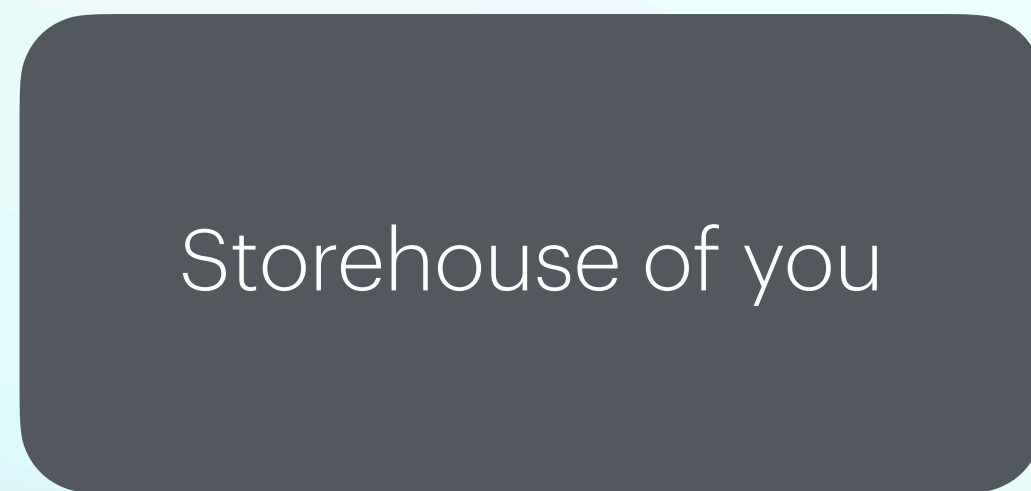
Emotion reading ear buds
with Apple Vision Pro



Immersive experiences on a device that
reads your emotions

Integrated system, 2030

Emotion reading ear buds
with Apple Vision Pro

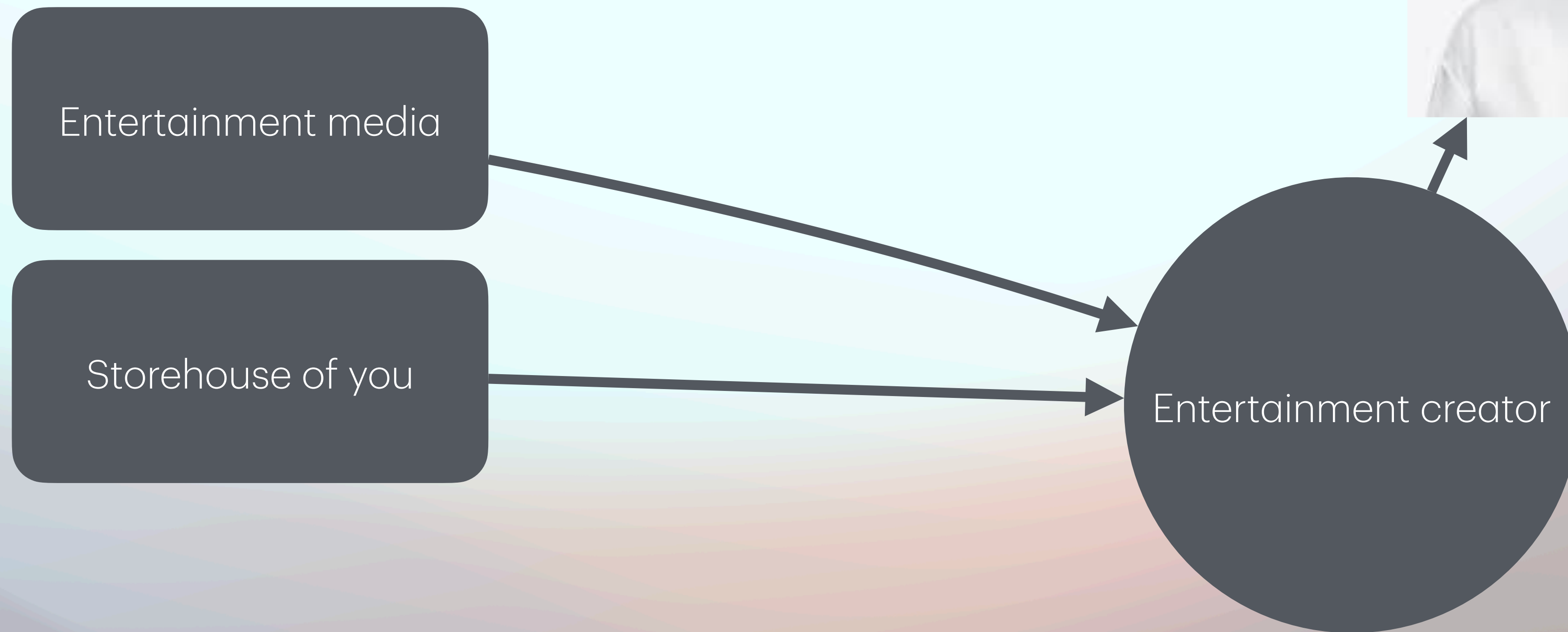


Learning feedback
loop



Creates a store
house of information
about you

Mass customization



Every time you do
anything
It learns

Would you want an Avatar
that could tell your spouse
how you really feel?

Speak to your children,
and really get through to them?

“Be nice to people, and work hard!” - dad

What if an Ad was targeted by the emotional connection desired?

Not guessed at...

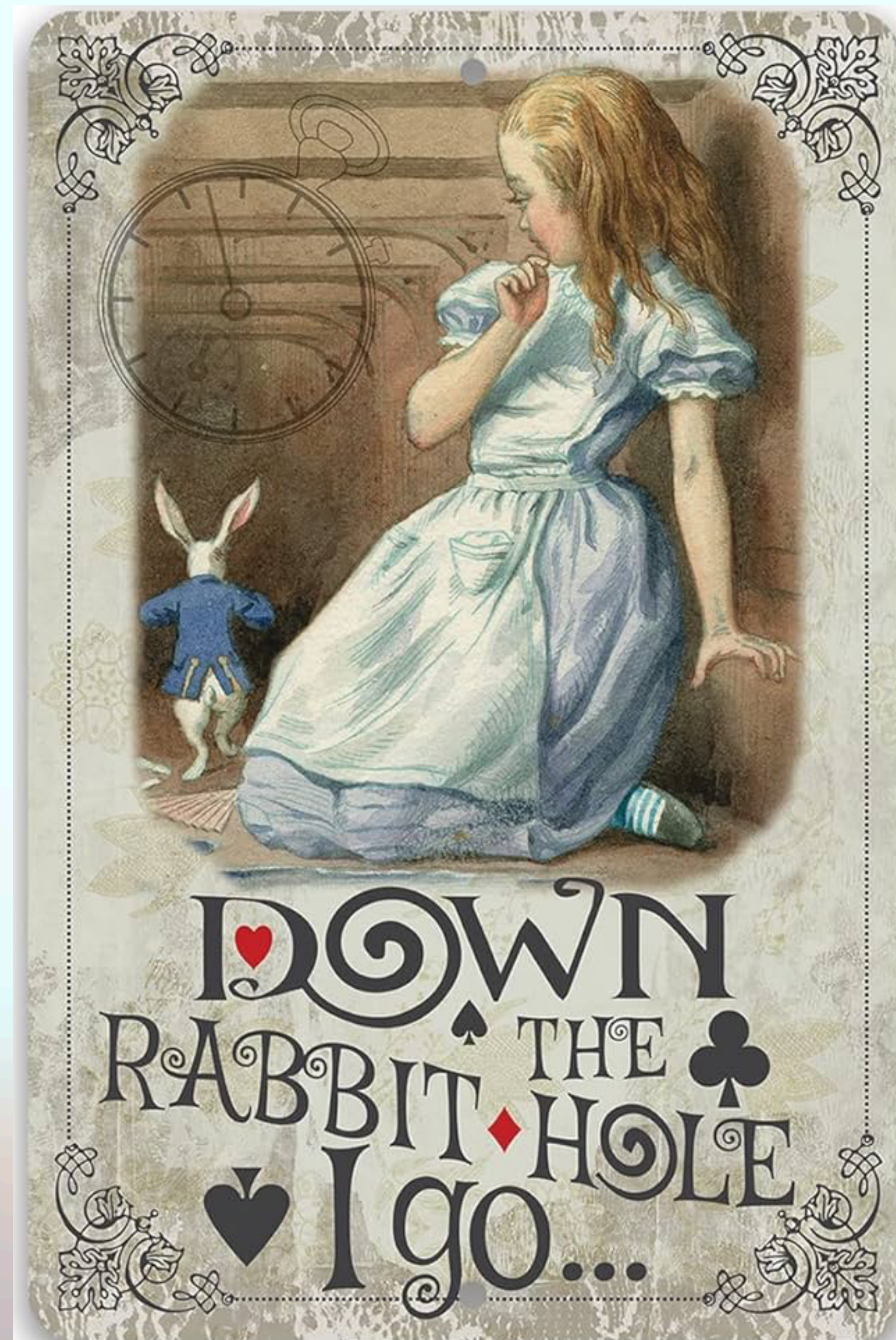
Because your device
can elicit any emotion
asked for

And the AI can evoke it in you,

And everyone else in the
world...

Creating all emotions
under the sun.

Just put those glasses on
your head..



Hyper targeted at you.
All in complete privacy

How similar are we?

New commonalities to
be discovered?

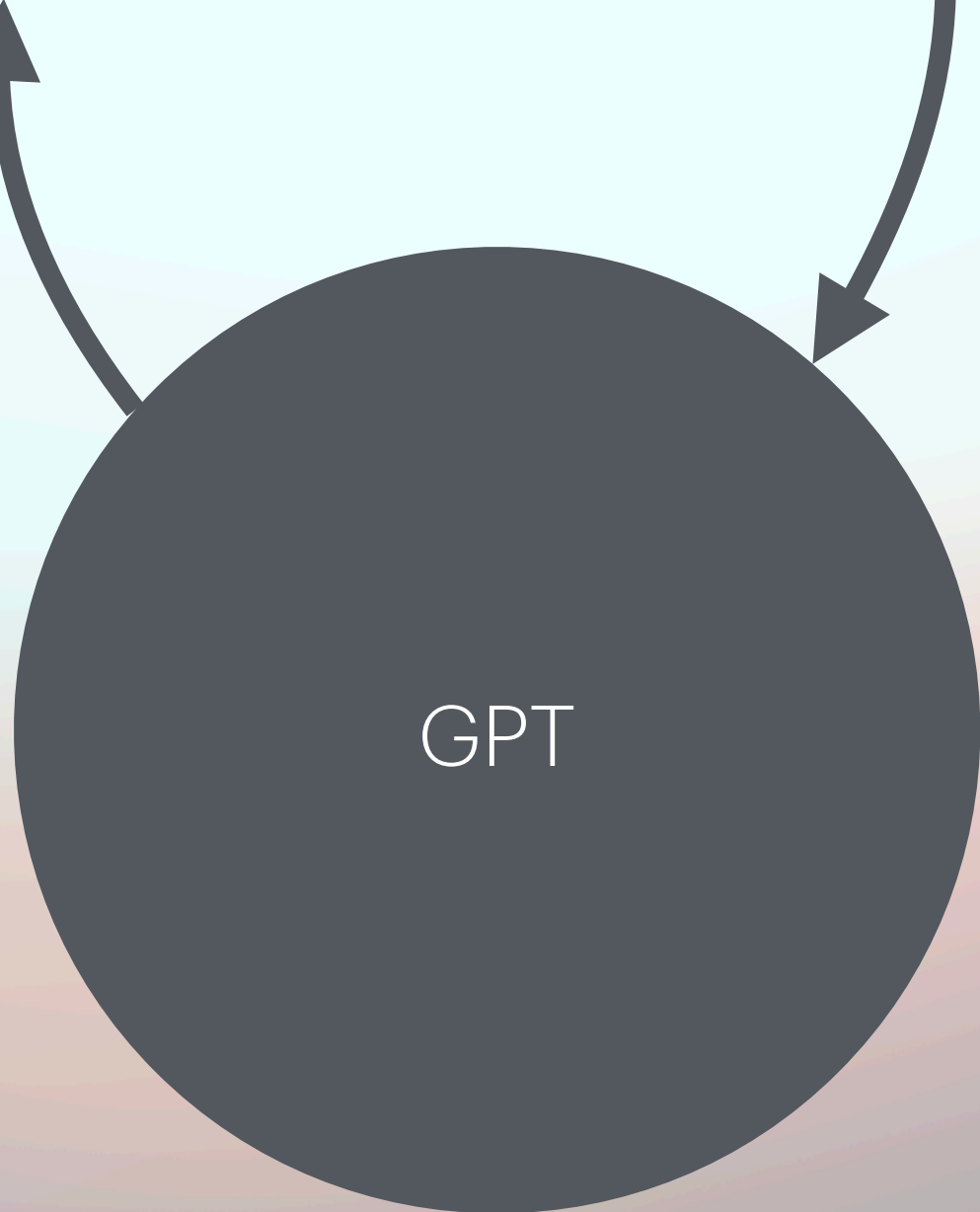
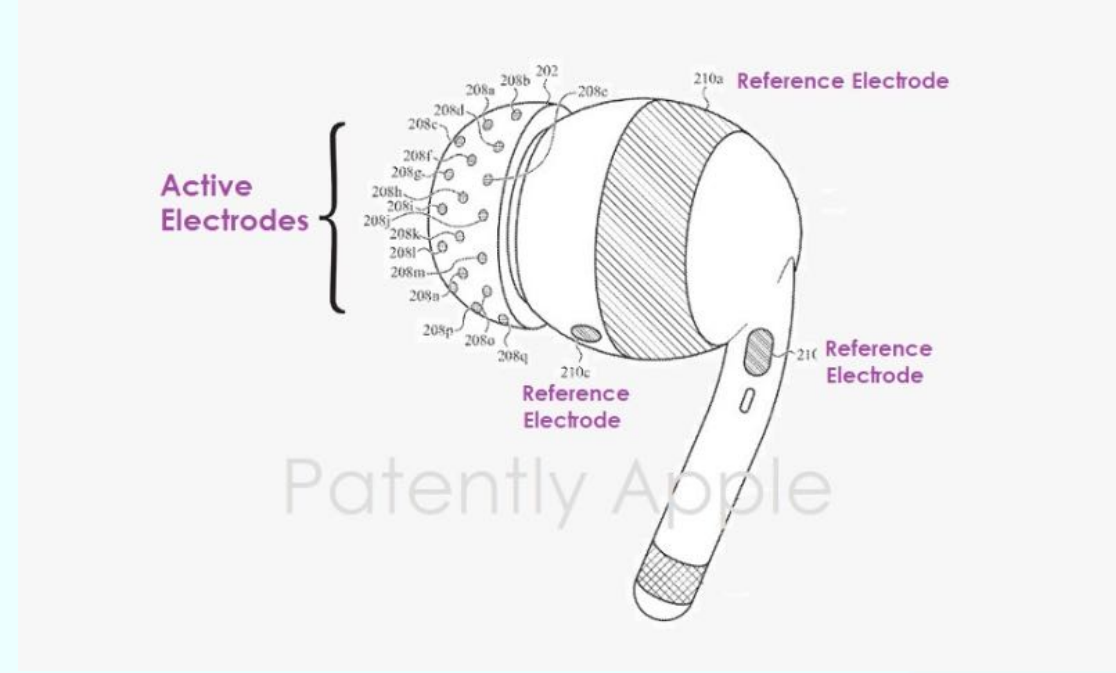
It turns out everyone likes
peanut butter on their tuna!

Or whatever

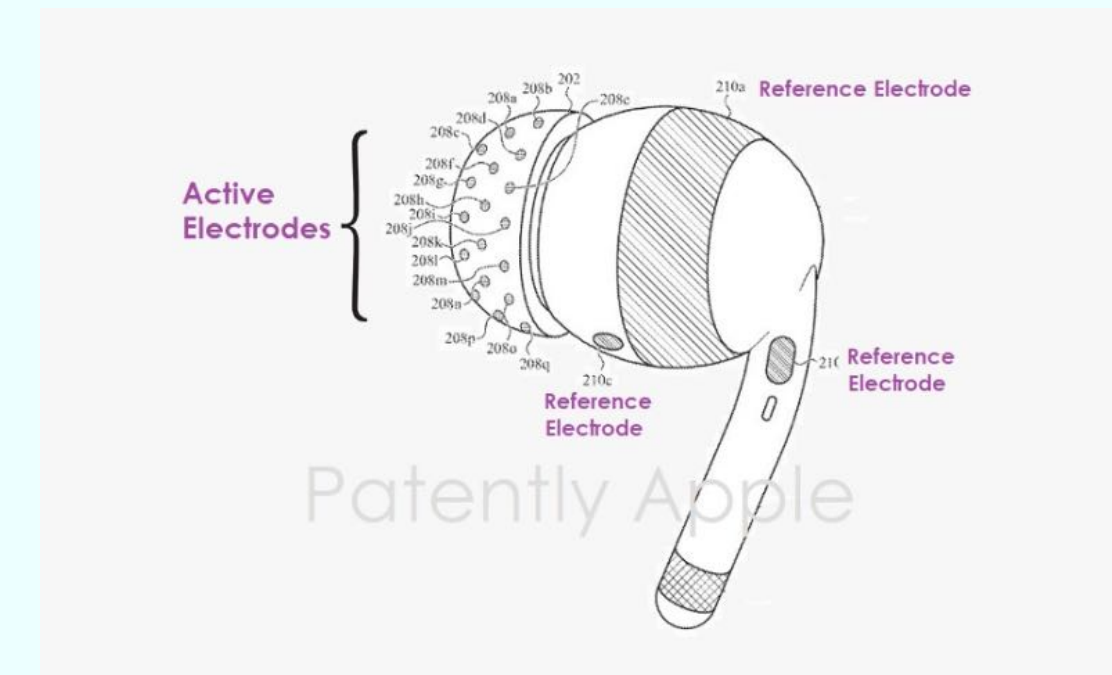
What does popular mean?
When everything is mass customized?

What is safe?

Do we want a witness to journeys customized for us?



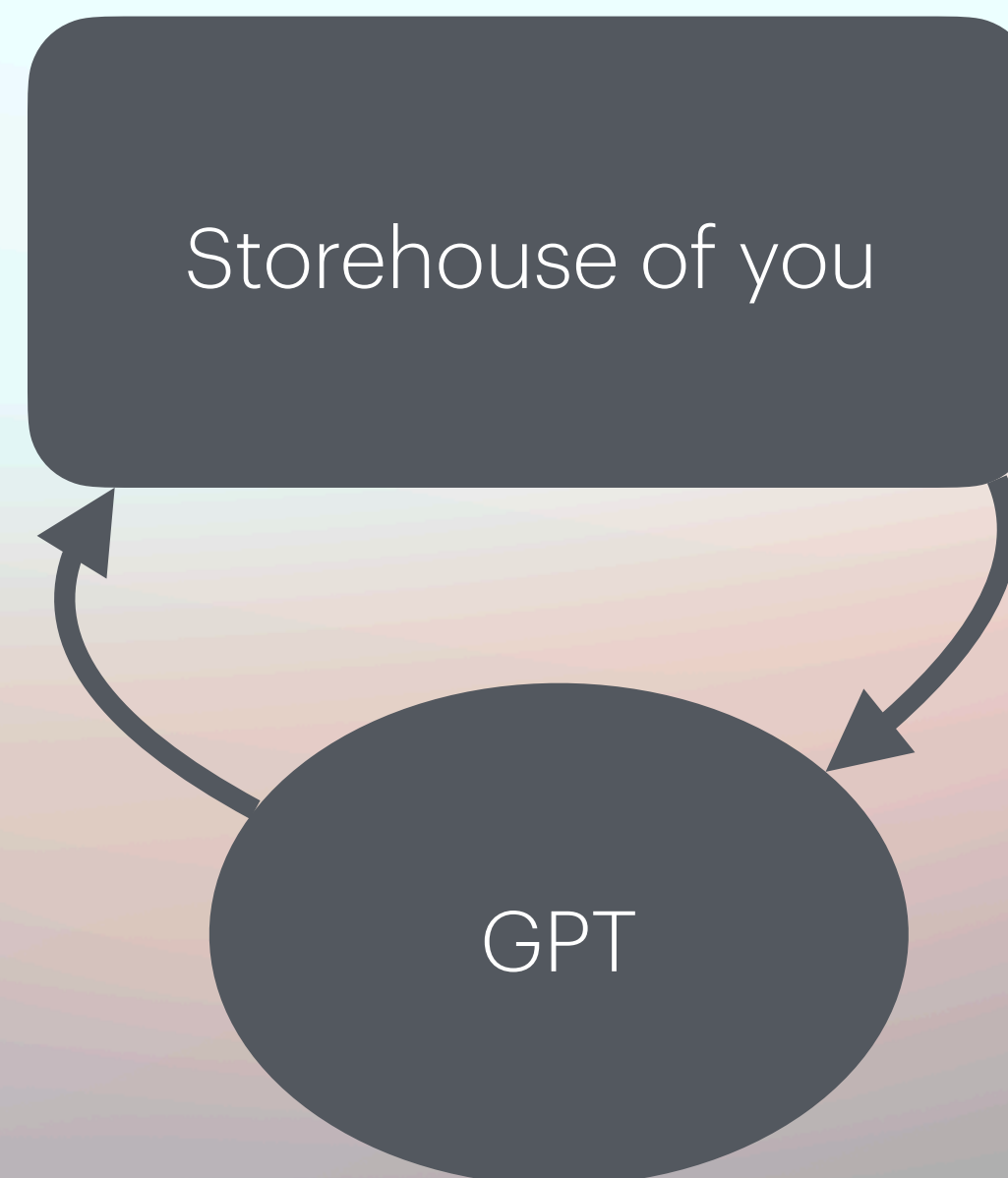
Who has
access to this?



Storehouse of you

GPT

Pandora's box



What forms of content
are illegal, unethical,
therapeutic ?



If we make it illegal to
generate certain forms
we create black markets





Life finds a way

John Burkey, May 2024

What do we do?

Create safe systems

To me, our
governments should
decide what *safe* means

not large profit driven
international corporations

Privacy + Protection

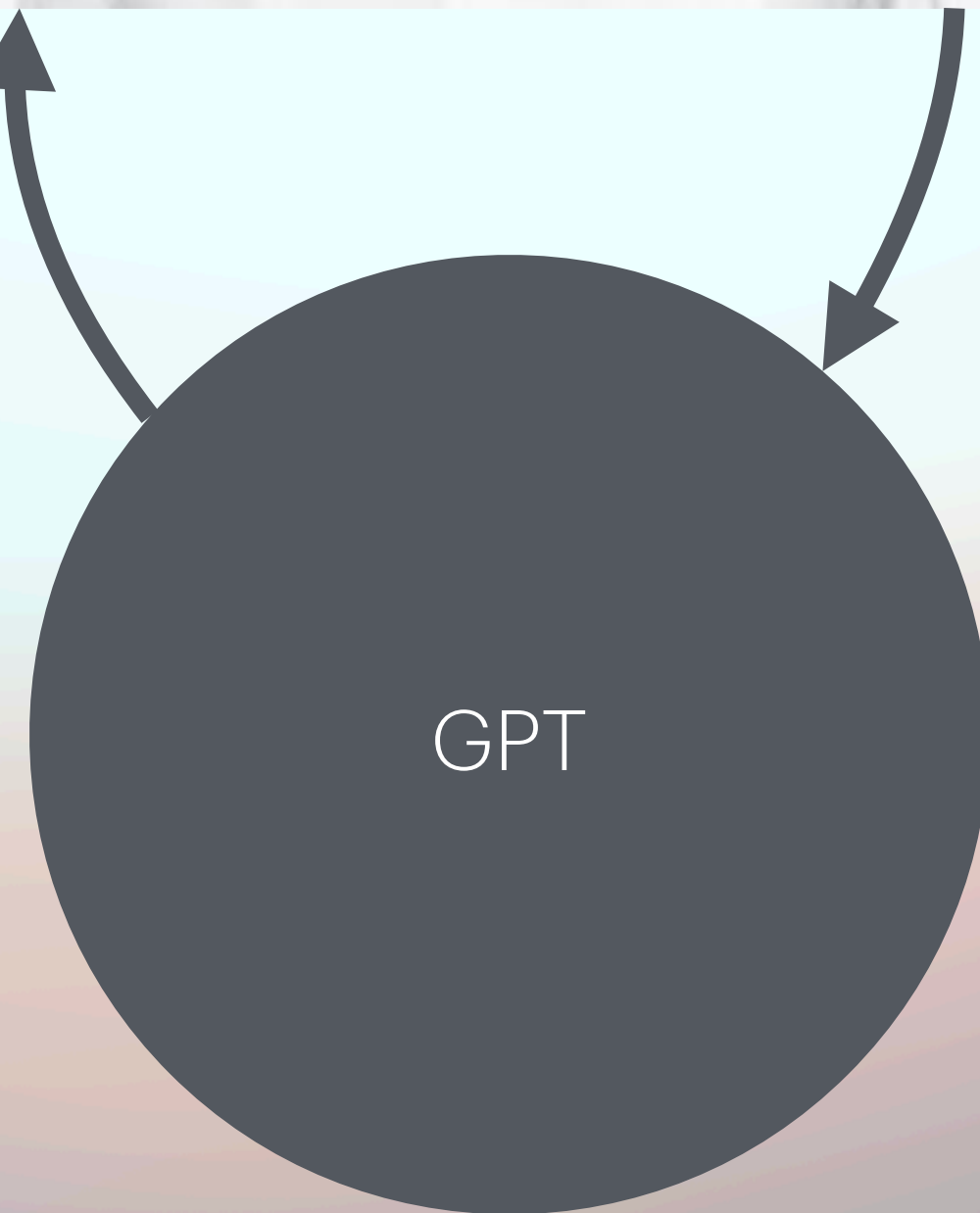
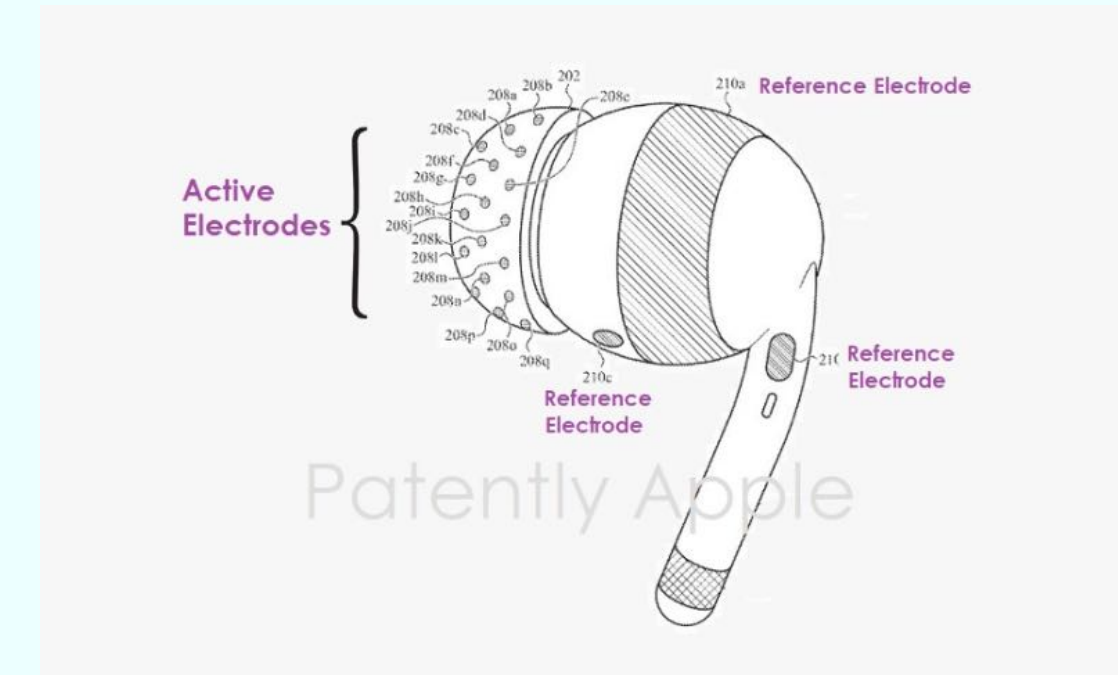
Embeddings are great at
context

Safeguards can be designed

Its our job to educate
leadership that it can be done

Embrace embeddings!

I want this!





Imagine the adventures
we can go on



Imagine what we
can invent!

Sounds like the
singularity to me

We are engineers!
We bend science to our will!



Thank you