

Graph, Wall, Tome Planning & Priorities

A list of everything in the GWT project that matters, and where it's going.

<https://graphwalltome.com/>

Related Docs

- [GWT on The Portal Wiki](#)
 - [GWT Drive Folder](#)
 - [Reference List](#)
-

Prime Directive

A request:

Try to draw the lines through the three. View it as a unified idea:

*The Paragraph gets edited,
The Wall gets defaced and graffitied,
The Sacred Tome gets rewritten.
But follow the skeins through each.
The Graph points to the Wall,
And the Wall to the Tome,
And the Tome leads to the Search.*

Core Sub-projects

Graph-Wall Video Series

Convey the information of the Graph and Wall so that people know they're there, and they're important.

Links

- [Graph-Wall Video Series](#)

Decoding the GWT Connection

Follow the skeins that lead to the Search. Map up to where the sidewalk ends but don't venture to the far side.

Links

- [New Graph+Wall Design Doc](#)
- [New Graph+Wall Mind Map](#)
- [Original Graph+Wall Connections "This or Better"](#)
- https://theportal.wiki/wiki/Decoding_the_Graph-Wall-Tome_Connection

Editing the Graph

Edit the graph. Refer to the first call.

Links

- [Edited Graph "This or Better"](#)
- https://theportal.wiki/wiki/Editing_the_Graph

Defacing the Wall

Deface the wall.

Links

- [New Wall Mockup](#)
- [New Wall Mockup \(Clean\)](#)
- https://theportal.wiki/wiki/Defacing_the_Wall

Rewriting the Tome

Rewrite the tome.

Links

- [New Graph+Wall Mind Map](#)
 - https://theportal.wiki/wiki/Rewriting_the_Tome
-

Areas for Collaboration

The Portal Group

- Utilize the graphwalltome.com domain.
-

Member Tasks

Yellow highlight = In Progress

Blue highlight = Low priority/far future

Aardvark

- Present the restart and gather members
- Make outlines for new tome
 - This will be done in parallel, informed by the difficulties with assembling the Graph and Wall.
 - [New GWT Mindmap](#)
 - [Old GWT Mindmap](#)

Tim

Boqu

Archived/Completed Tasks

Aardvark

- Listen to initial GWT call
- Review big discord for GWT material
- Review personal notes
- Schedule talks with people
 - Talk to Tim/holonomy people re:visualization methods
 - What is your visual direction? What makes it cool or interesting?
 - Thoughts on the Penrose stairs direction?
 - How do you think a mass audience will respond to it?
 - How satisfied are you with the project's current state?
 - What tools (python libraries/algorithms) are you using to accomplish this; are they easily repurposed?
 - Can they be replicated in another programming context, such as VPython or manim?
 - Talk to MJ re:porta
 - What are Porta's current capabilities?
 - What is your impression of people's responses to visuals produced by Porta? Do you think people find it instructive?
 - Teach the input parameters, follow the maps to the final object (surface).
 - What utility do you think Porta brings to accomplish the goals of GWT? What do you think makes it cool or interesting?
 - **Aardvark**: It connects the G, W, and T through the visual. It can show the basic mathematical formulation (the code), the consequences of that formulation in an object's "shape/form", and shows how that evolves with changes in parameters (like the audio visualizer Hopf fibration).
 - Where do you want to take Porta?
 - Are there other geometric objects you want to visualize? Physical effects i.e. Aharonov-Bohm? Penrose stairs?
 - Where do you see Porta and yourself in the far future?
 - **Generate the Observerse in Porta**
 - "Hackers and Painters" by Paul Graham as the underlying ideal culture for Porta
 - Talk to demp/boqu/cam re:wall
 - To Cam: What completed the project for you?
 - What do you think were its strengths? Where did it fall short?
 - How did you find people responded to the project?

- ~~To Demp: can we host the wall on Portal group?~~
 - Talk to Brooke/Brandon re: Eric's vision
 - ~~Talk to bookclub people re:tome~~
 - ~~What are your current methods for learning from the tome?~~
 - ~~What parts of the tome have helped you? Particularly what parts haven't you seen in other resources?~~
 - ~~What parts of the tome make it difficult for you to learn?~~
 - ~~Are there places where the language is too difficult? Poor examples? Places that need more content?~~
 - ~~Talk to mason re:tome~~
 - ~~Placeholder~~
 - ~~Try to contact jakob~~
 - ~~Want to get the band back together? Can you make small meaningful contributions?~~
- DM Brooke for transcripts
- Develop mind map of the Graph and Witten essay
- Draw arrows from the Graph to the Wall
- Develop amazing awesome indefatigable plan of ~~world domination~~ proceeding.
- Develop list of elements for the new wall
- Develop Design Document for boqu
- Clean up GWT-related stuff on Projects server
- Develop "first frame" concept of Graph and Wall
- Update GWT Wiki Page
- Revise new graph
- Revise new wall

Other Sub-projects

Holonomy Project

Visualize how parallel transport across horizontal subspaces changes path length feat. Lex Fridman.

Links

- https://theportal.wiki/wiki/Holonomy_Project

The Road to Reality Book Club

People gather to read the Tome and learn the math and physics necessary to develop understanding.

Links

- https://theportal.wiki/wiki/Portal_Book_Club
- https://theportal.wiki/wiki/The_Road_to_Reality_Study_Notes

The Portal Podcast Episode 20 Transcription & Annotation

Eric speaks to the author of the Tome, we stay awhile and listen.

Links

- https://theportal.wiki/wiki/20:_Sir_Roger_Penrose_-_Plotting_the_Twist_of_Einstein%E2%80%99s_Legacy
- https://player.theportal.dev/?ep=20:_Sir_Roger_Penrose_-_Plotting_the_Twist_of_Einstein%E2%80%99s_Legacy

Porta

MJ has made some sick visualizations of the Hopf fibration in the programming language Julia. He's developing it for more general-purpose visualizations of high-level geometry.

Links

- <https://theportal.wiki/wiki/Porta>
- <https://github.com/iamazadi/Porta.jl>

Rulers & Protractors Become General Relativity

Eric has a riff about rulers & protractors becoming General Relativity that he wants animated.

Links

- https://theportal.wiki/wiki/Rulers_and_Protractors_Become_General_Relativity
- [Portal Podcast Episode 20](#)
- One of his Joe Rogan appearances
- Second Lex Fridman appearance

Geometric Unity

Eric is making a theory of everything. Most everyone else is trying to understand it/help him communicate it.

Links

- [Geometric Unity on the Wiki](#)
- [Geometric Unity First Presentation](#)
 - [Notes and Transcript](#)
- [Geometric Unity and Theories of Everything on PBS SpaceTime](#)
- [Eric Weinstein and Stephen Wolfram with Brian Keating](#)

Archived Projects

Decoding the GWT Connection

Follow the skeins that lead to the Search. Map up to where the sidewalk ends but don't venture to the far side. Refer to the first call.

Links

- https://theportal.wiki/wiki/Annotating_the_Wall **Combine&Archive
- https://theportal.wiki/wiki/Understanding_the_Wall **Archive

Editing the Graph

Edit the graph. Refer to the first call.

Links

-

Defacing the Wall

Deface the wall.

Links

- https://theportal.wiki/wiki/Defacing_the_Wall **Combine&Archive
- https://theportal.wiki/wiki/Defacing_the_wall **Combine&Archive
- https://theportal.wiki/wiki/Deface_the_Wall **Archive
- <https://github.com/hyferg/falling-wall> **Archive

Animating the Wall

Allow anyone to approach the Wall and understand. Refer to the first call.

Links

- https://theportal.wiki/wiki/Animating_the_Wall
- <https://dev.theportal.dev/wall/>
- https://theportal.wiki/wiki/Interactive_Wall

Rewriting the Tome

Rewrite the tome.

Links

- [Climbing the Cliff](#)
- [Penrose Relationship Graph](#)