



# When and How are Gravitational Waves Created

**Where Did The  
Mass Go?**

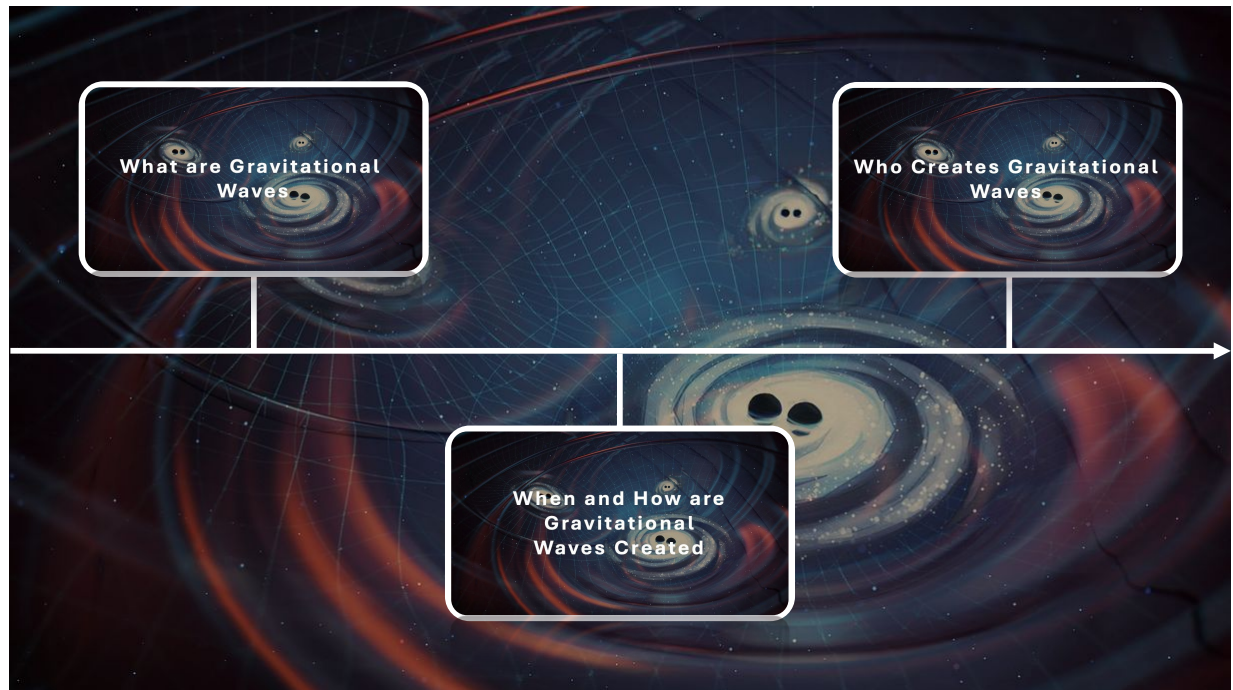
**The Atoms In  
Atomic Bombs**

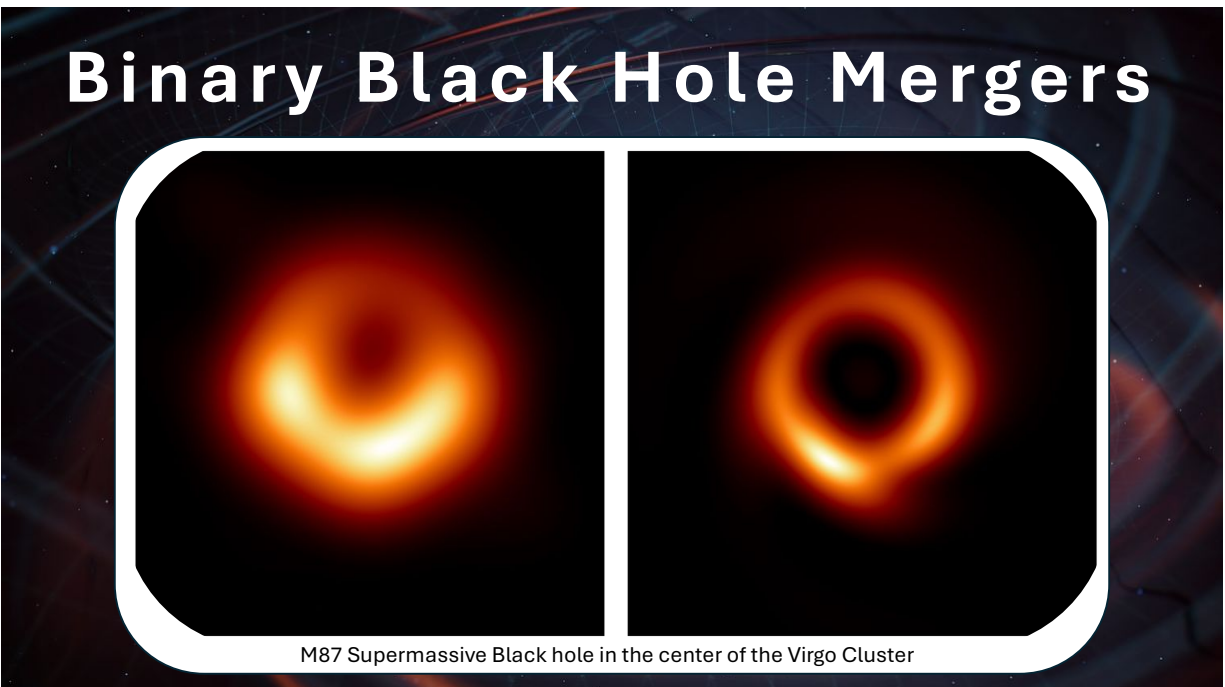
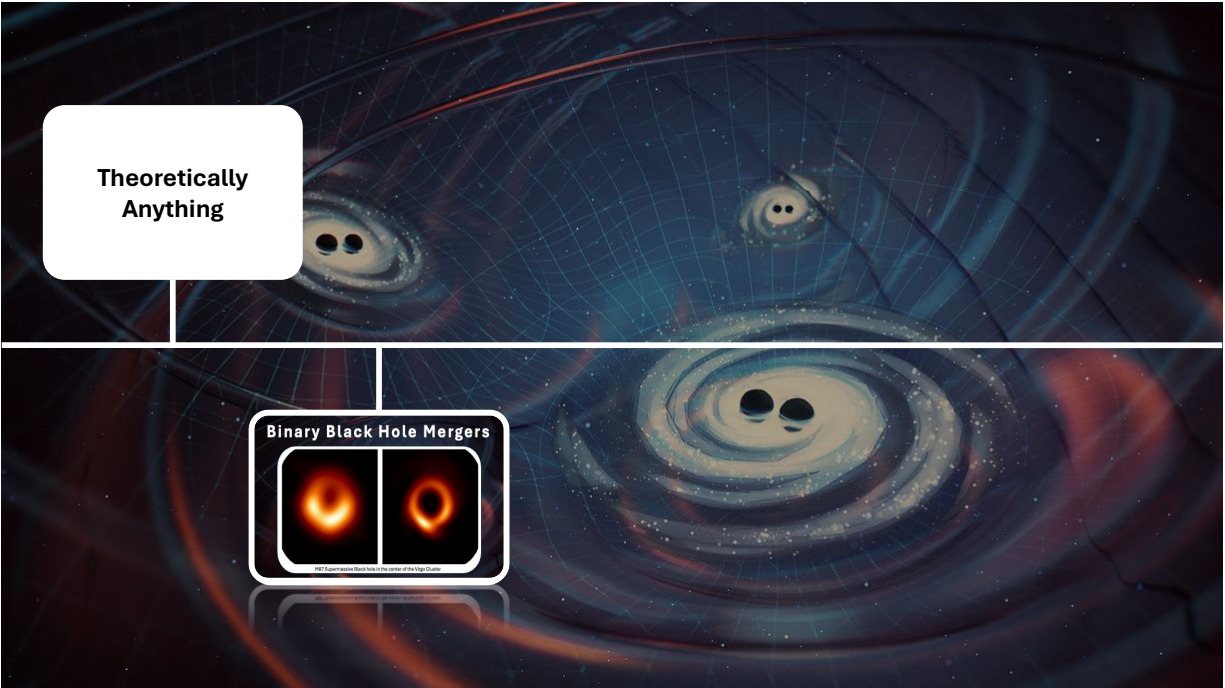
**~1.3 Bya:  
The Crash To End  
All Crashes**

**3x The Sun's Mass  
Doesn't Sound So  
Bad**

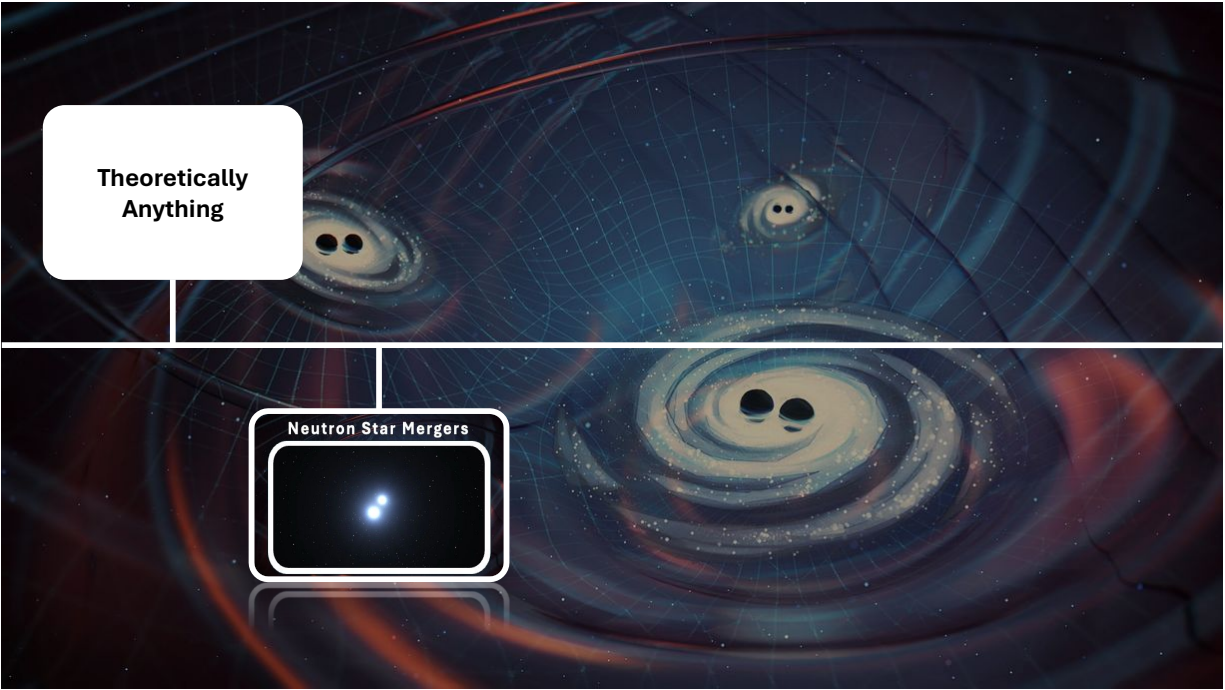
**2015:  
The Shock Waves  
Arrive**

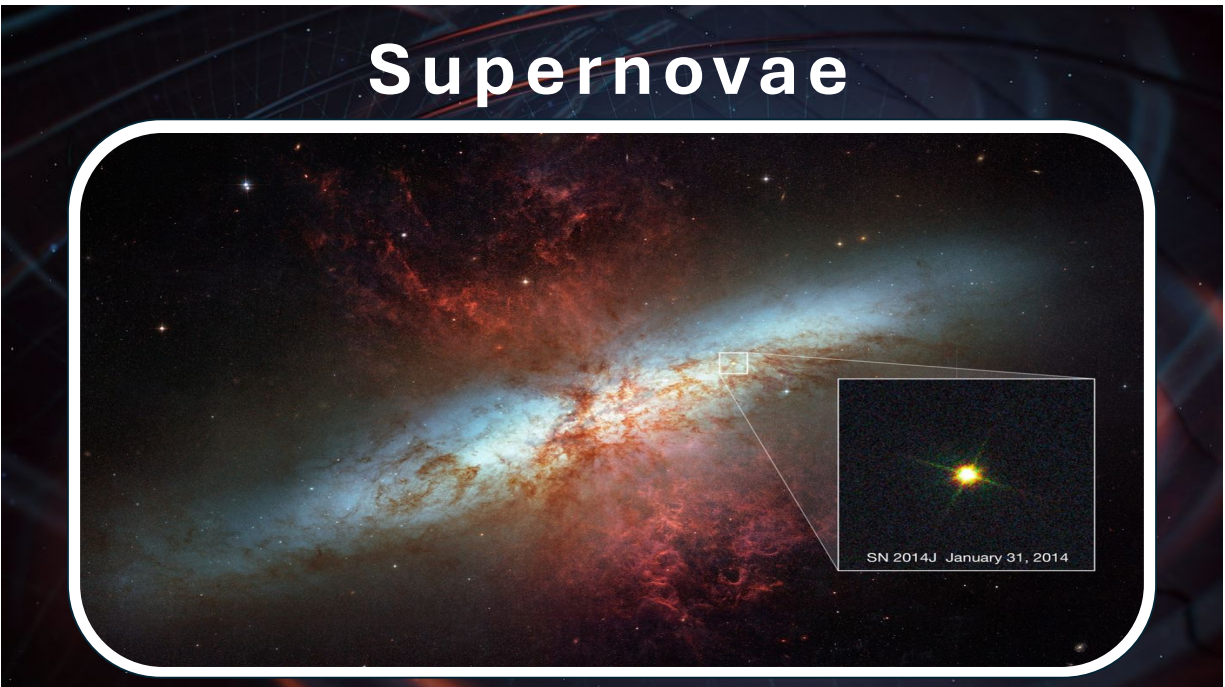
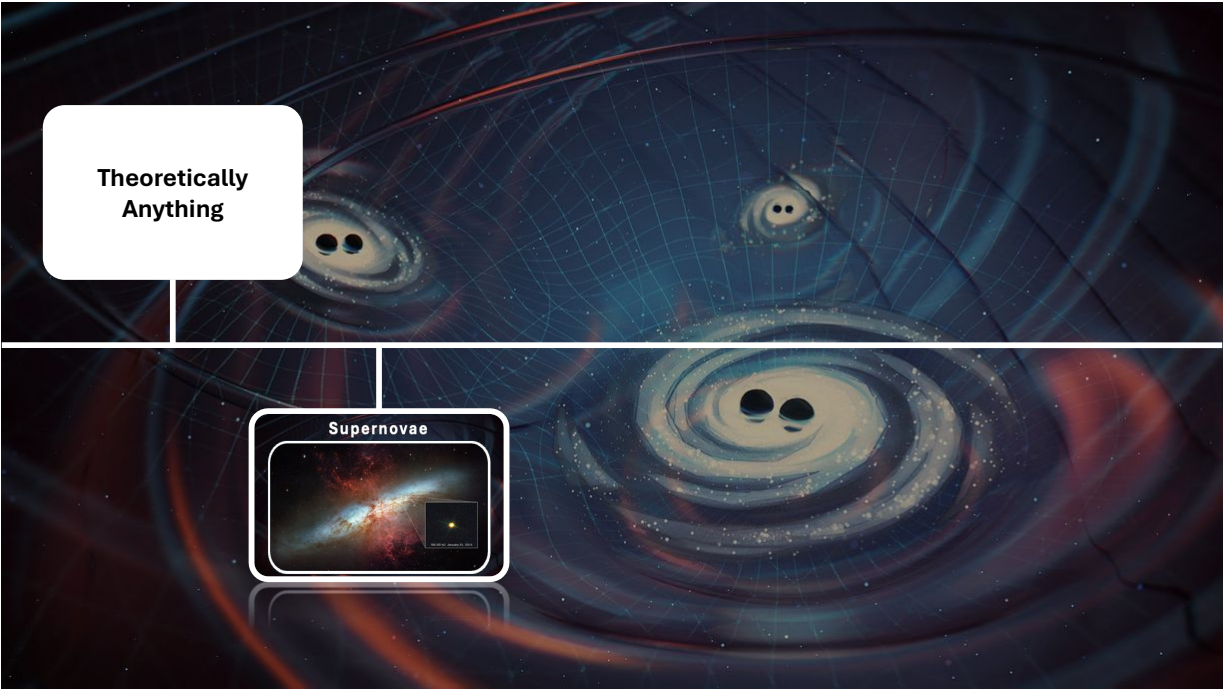




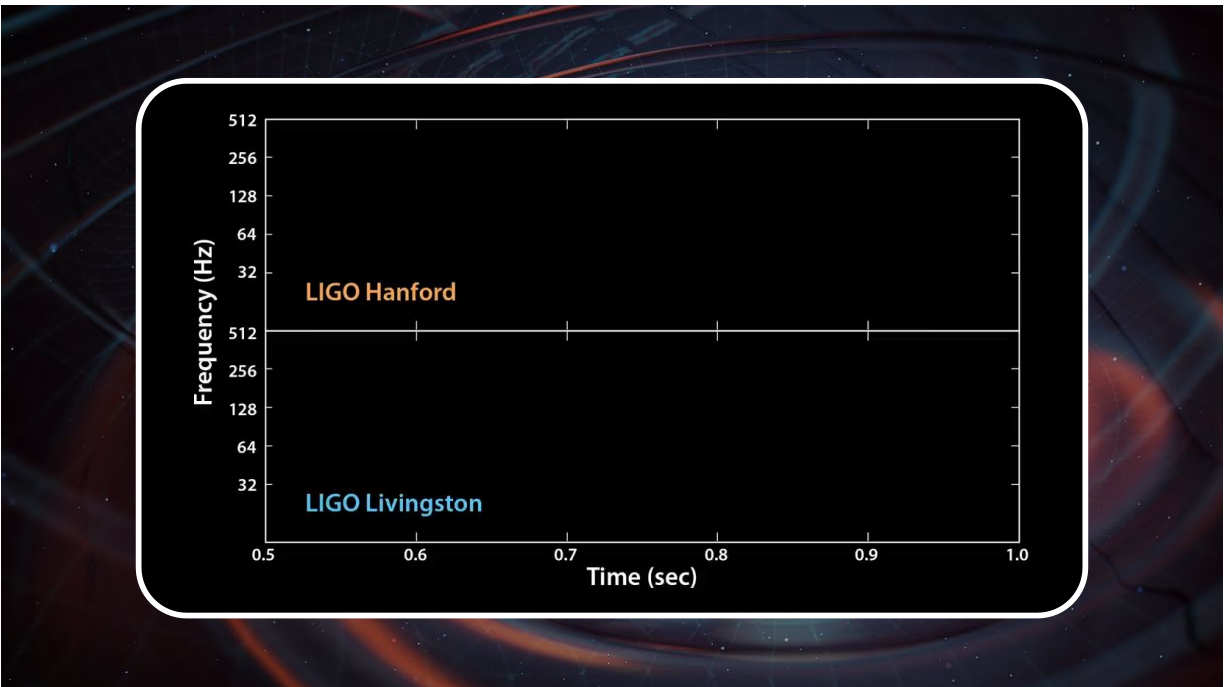
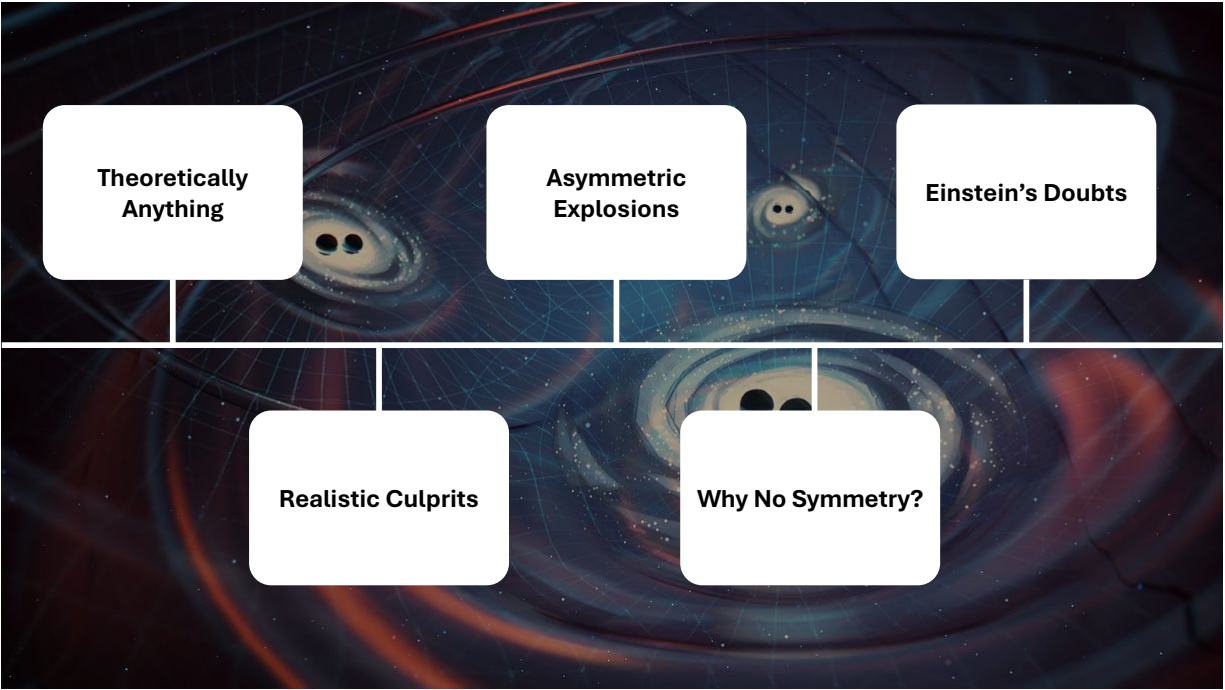


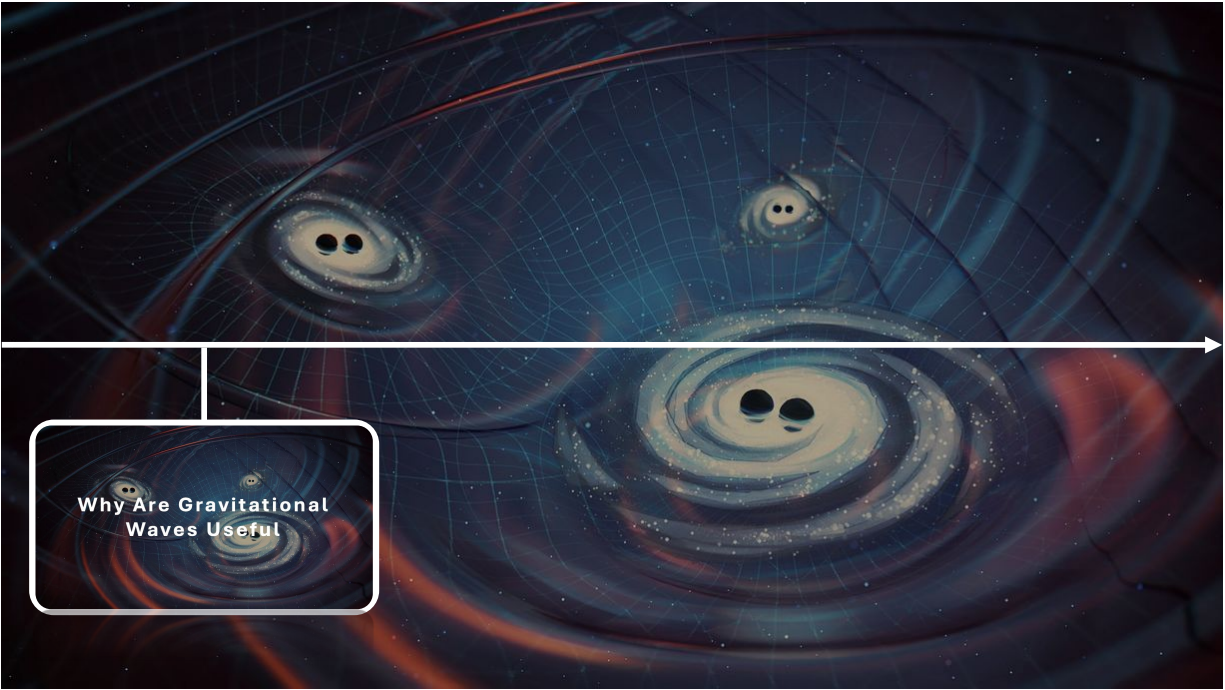




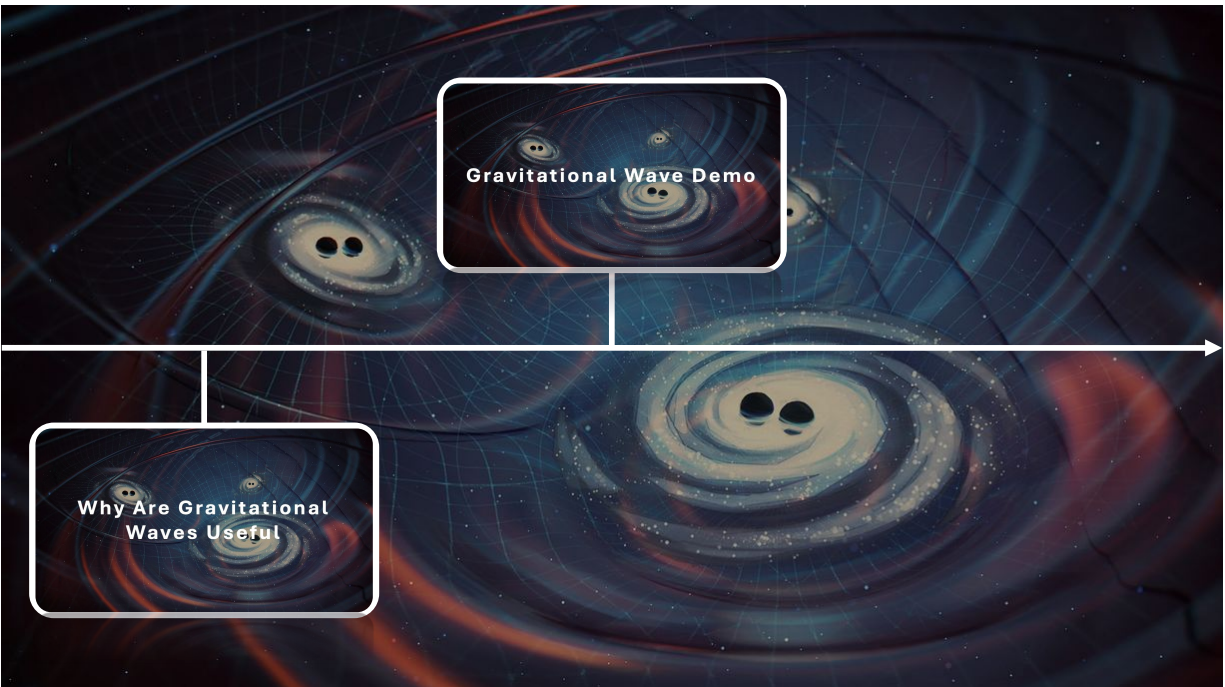
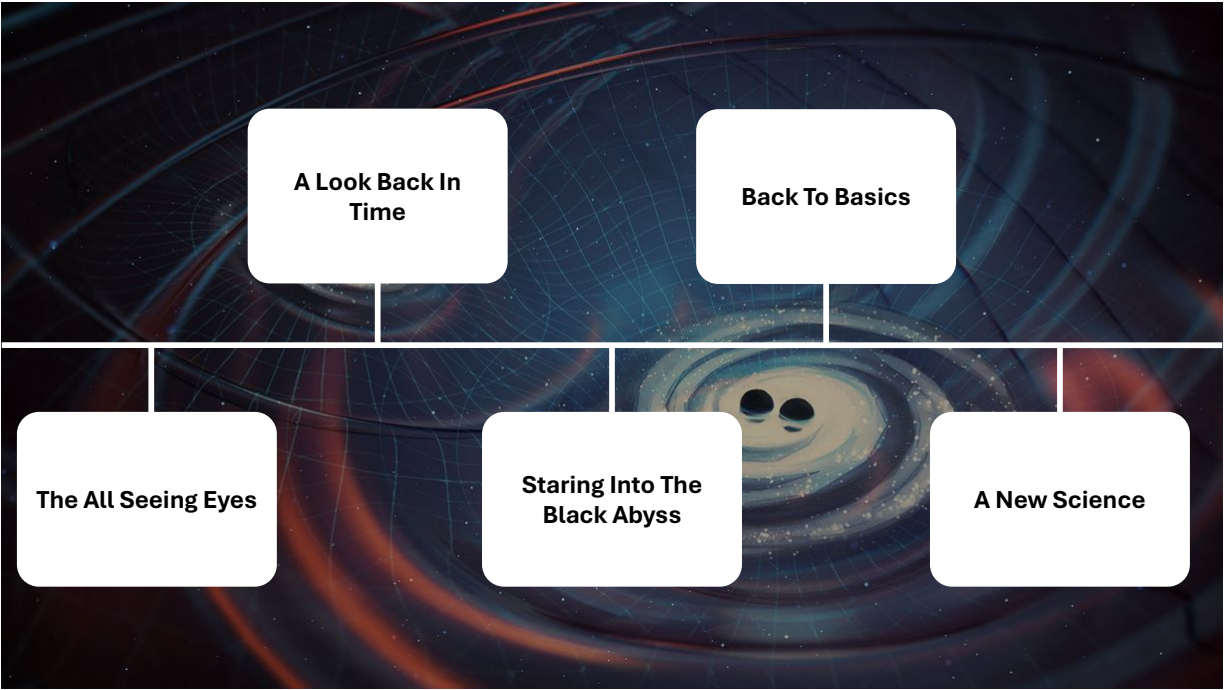












A visualization of gravitational waves as ripples in spacetime. The background is dark blue with glowing orange and red lines representing the wave's oscillations. Three pairs of black holes are shown in the process of merging, each represented by two small black circles that spiral together into a single larger one. The text "Gravitational Wave Demo" is centered in white.

# Gravitational Wave Demo

A visualization of gravitational waves as ripples in spacetime. The background is dark blue with glowing orange and red lines representing the wave's oscillations. Three pairs of black holes are shown in the process of merging, each represented by two small black circles that spiral together into a single larger one. The URL "https://janniswalker.com/ASTR112/Sim.html" is centered in white.

[https://janniswalker.com/  
ASTR112/Sim.html](https://janniswalker.com/ASTR112/Sim.html)



