

Closed Timelike Curls

ARCH470 | DDS

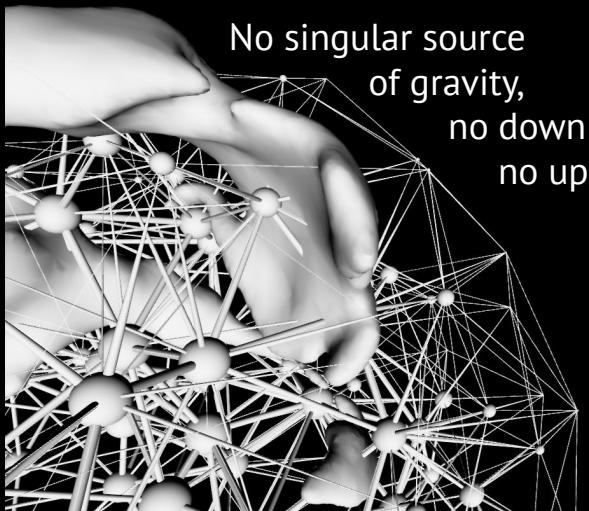
Özgür Gülsuna
2307668



LEVERAGE

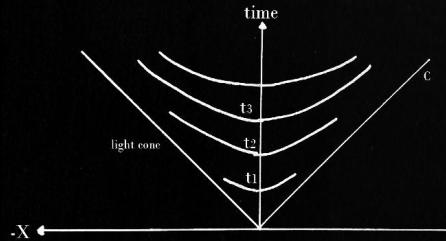
to move in space freely, without restrictions of time and distance one need to use speed as a *lever*.

up & down

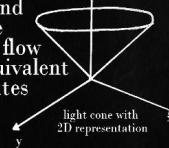


No singular source
of gravity,
no down
no up

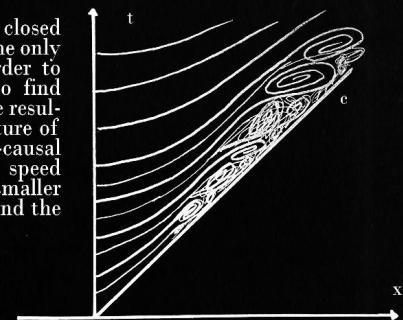
SPACETIME



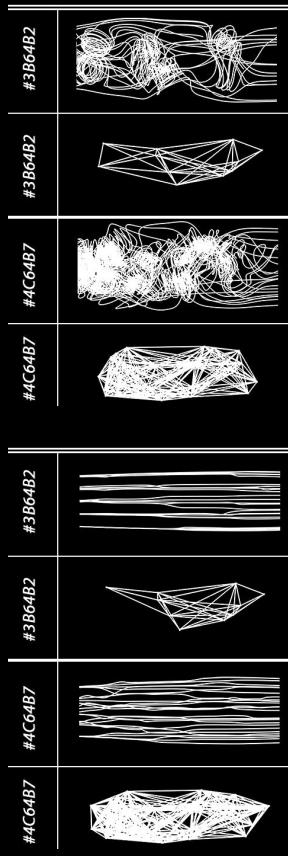
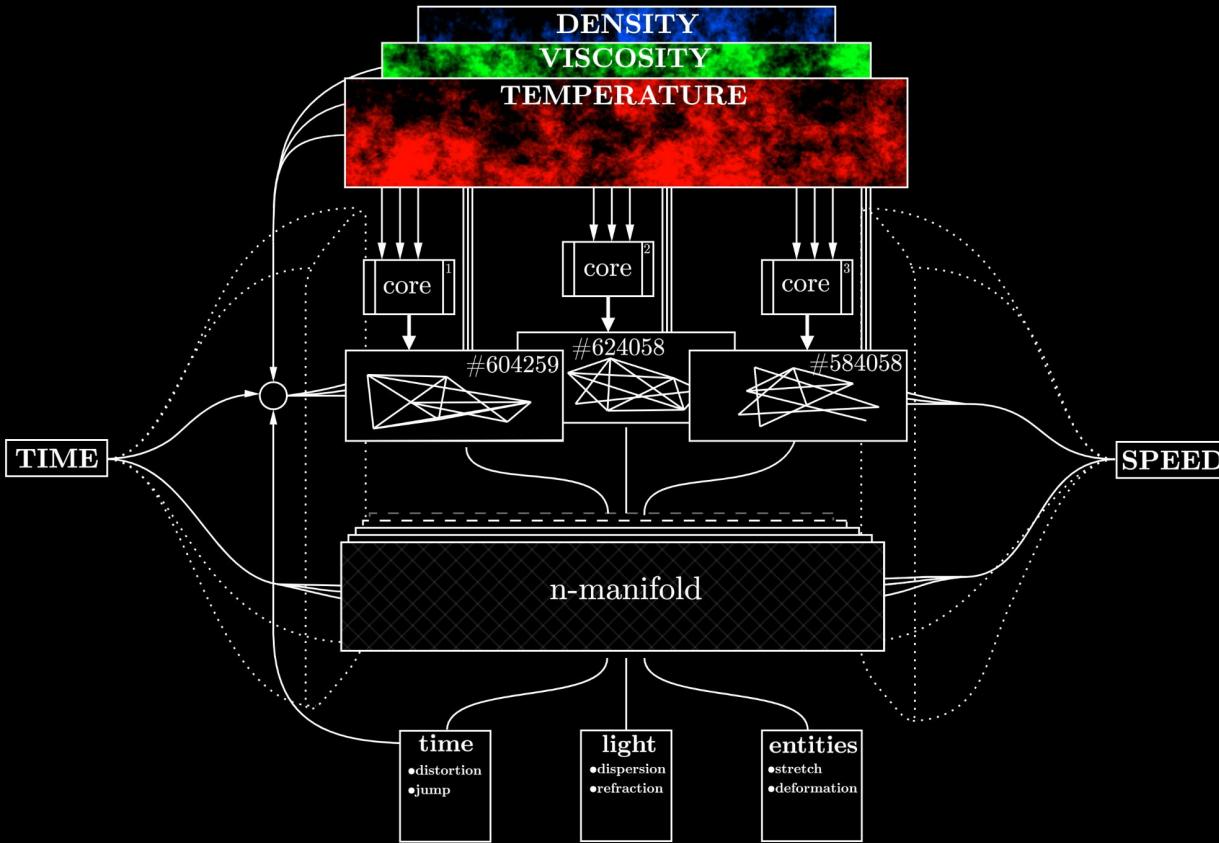
Think of a certain universe where the time is an entity such that it is greatly influenced by the gravity. It has viscosity and it is restricted to flow only forwards in time. It can experience turbulence phenomena and time shifts occur at those instances. The turbulent flow creates a force that is equivalent to the gravity and it creates strong waves just like hurricanes.



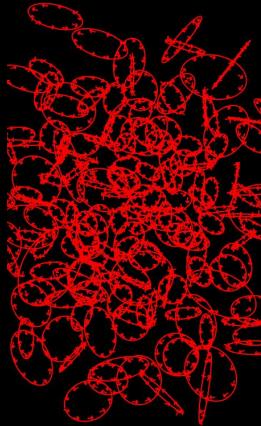
Gödel Metric is not the only solution that allows closed timelike curves and closed timelike curves are not the only reason for causal structure to be violated. In order to establish a physical causal structure, one has to find relation between the spacetime events such that the resultant relations will emerge to a global causal structure of spacetime. This space time definition creates semi-causal structure where the time shift can occur in high speed accelerated turbulent areas. For speeds much smaller than the speed of light no turbulence is observed and the time flow is laminar.



PARAMETERS & RELATIONS



Process Explanation / Dimension Basis / Primary Pendulum / Secondary Pendulum



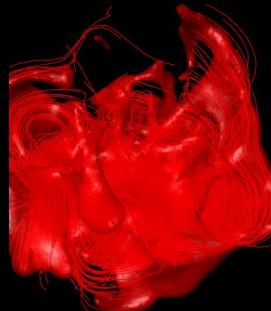
- Primary force field that is depending on the dimension parameters and only parameters thus it is static.



- Blackholes are secondary force fields that are moving on the first one. They are also connected to each other.



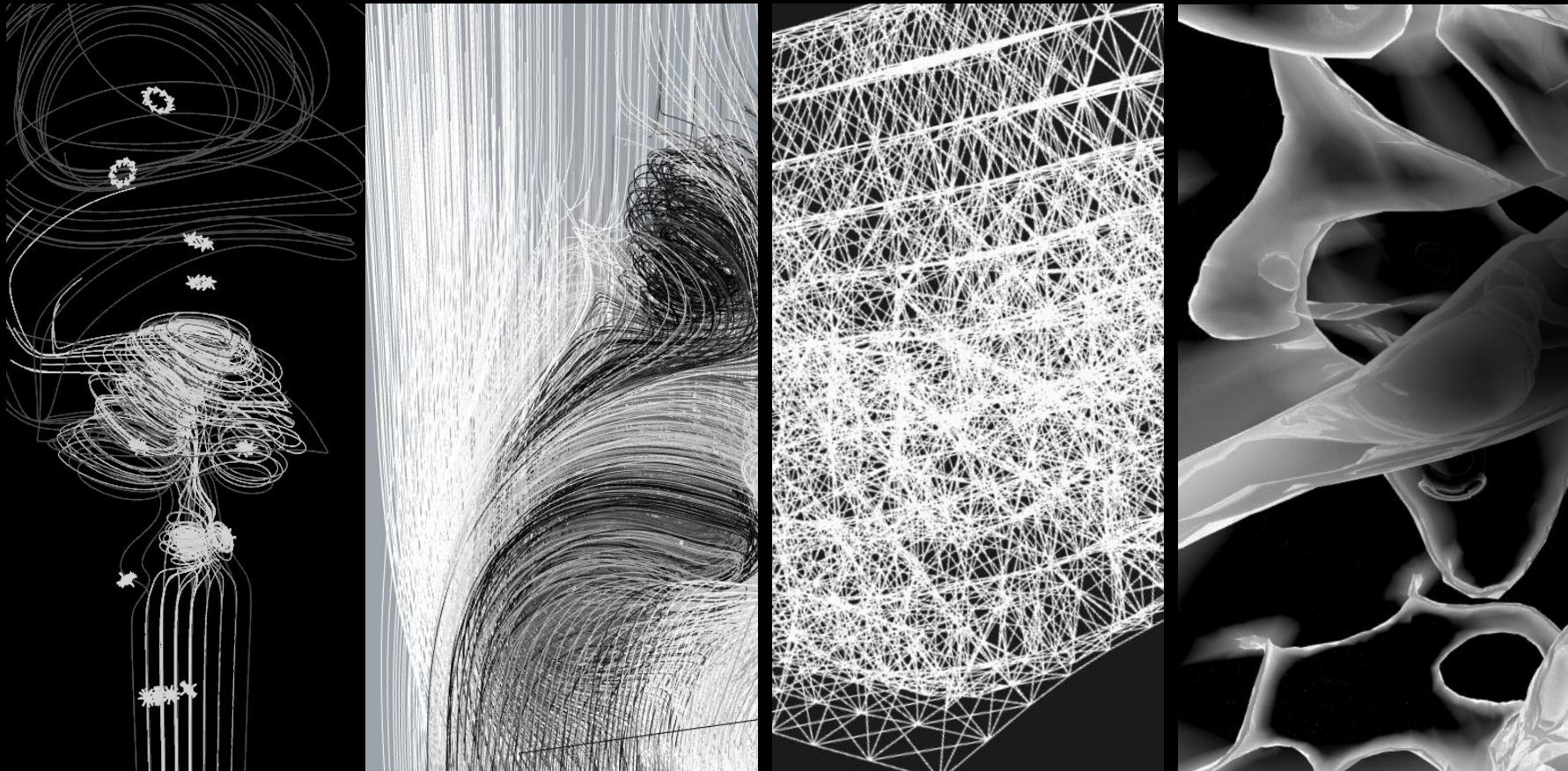
- Secondary force field is affected by the primary and flows on its geodesic. The chaotic flow is captured with this.



- At last the medium is shaped with this construct.



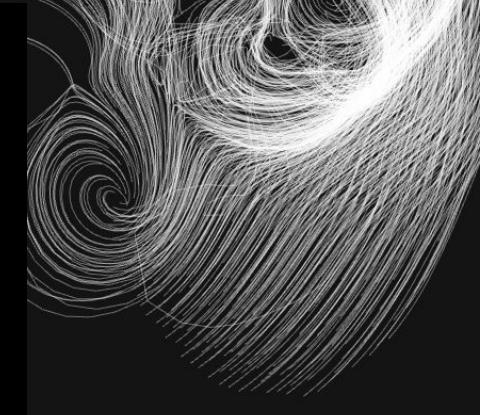
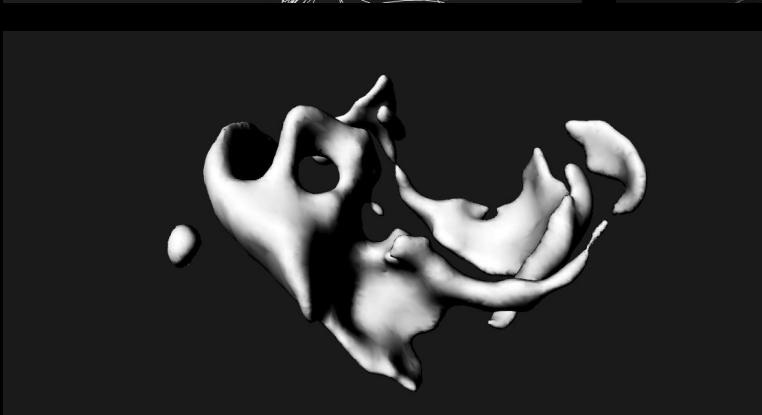
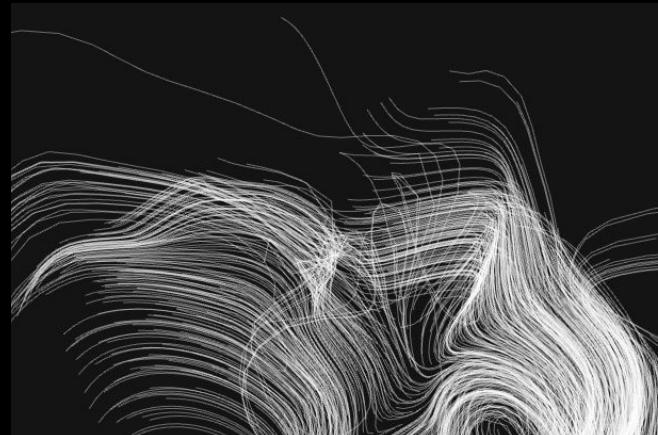
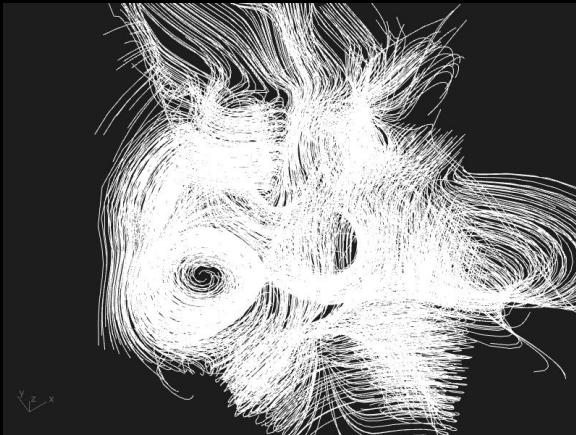
Project Progress / previous visualizations and evolution of the project



Renders on / Blackholes / Interconnections / Surroundings / Nebula / Light



Time Maps / map that encapsulates a space-time journey in third dimension





Thank you for your time.