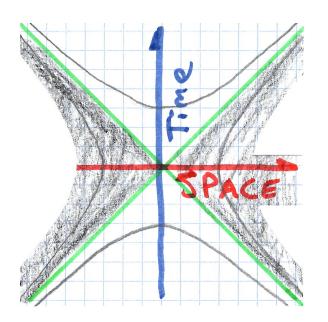
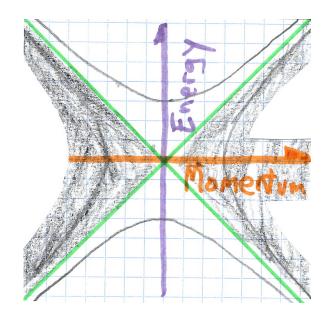
## **Relativistic Physics**

allows time to rotate into space, energy to rotate into momentum.

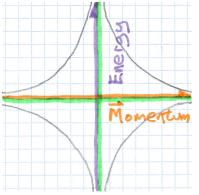




The new math is the Lorentz group for space-time, and the Poincaré group for energy-momentum.

Events in the past-light cone - local events - can cause things that happen at the origin.

A new symmetry for gravity: energy times momentum is conserved for non-inertial observers in a gravity



field. Works for light, experimental tests.