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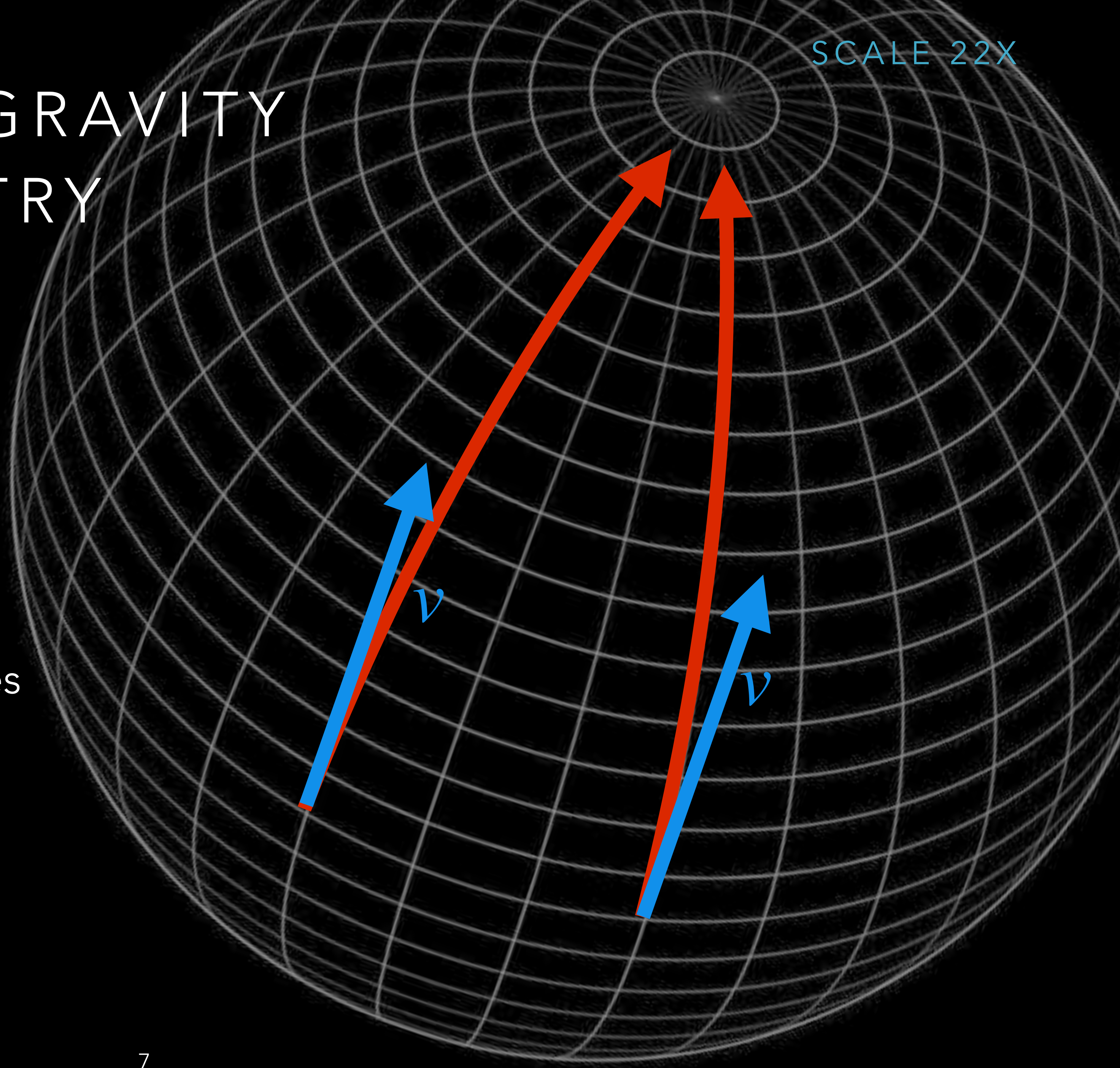
ERIK WESSEL

SCALE 22X



# EQUIVALENCE OF GRAVITY & CURVED GEOMETRY

- Absent a force, a particles move in straight lines
- A force can curve the path
- In curved surfaces, even straight lines appear to curve
- Spatial curvature can account for gravitational "forces"





## 1915: GENERAL RELATIVITY

- The fabric of spacetime becomes curved at concentrations of matter and energy
- The curved spacetime causes particle trajectories to bend and creating gravitational "forces"

