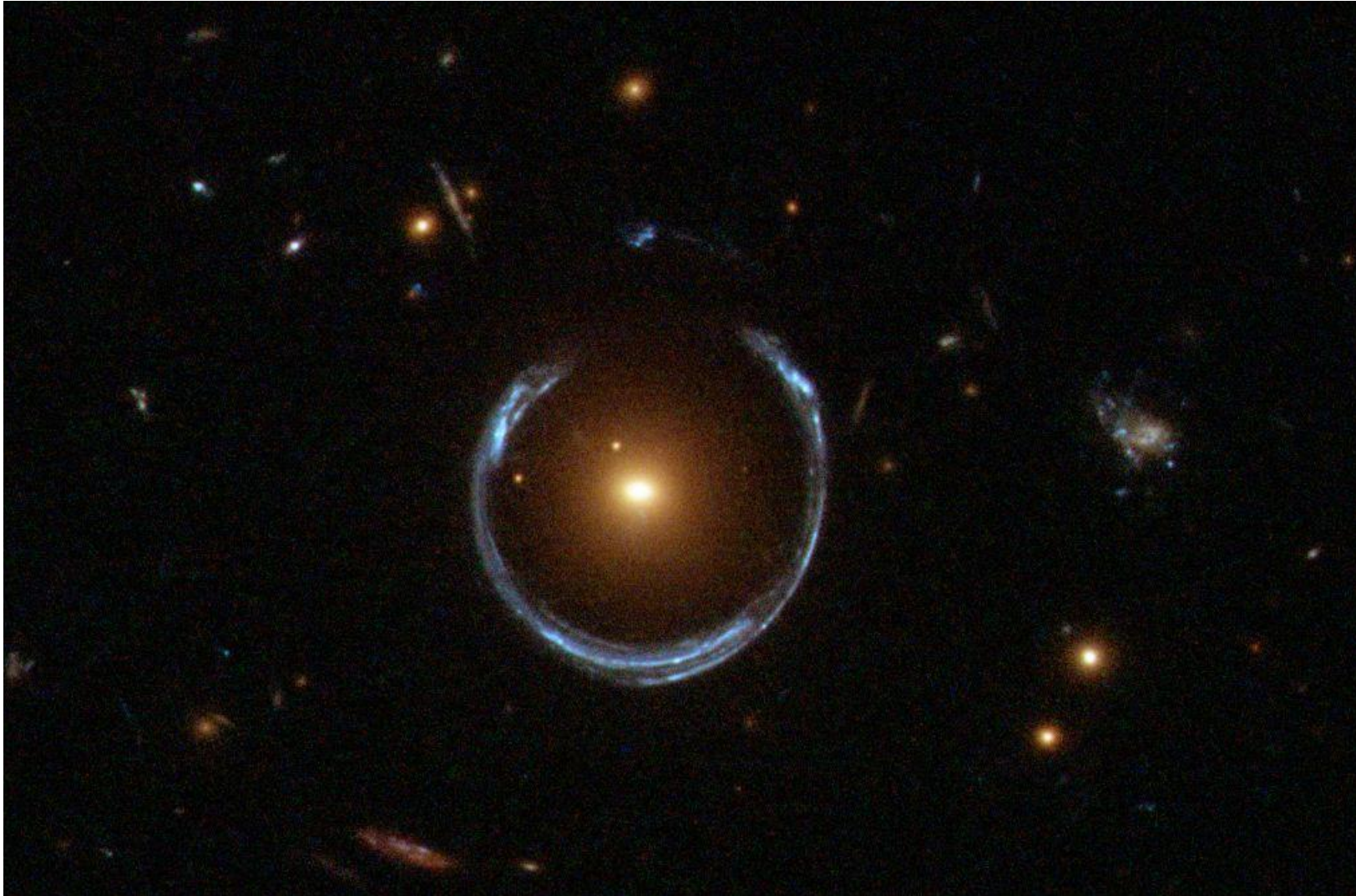


# Gravitational lensing



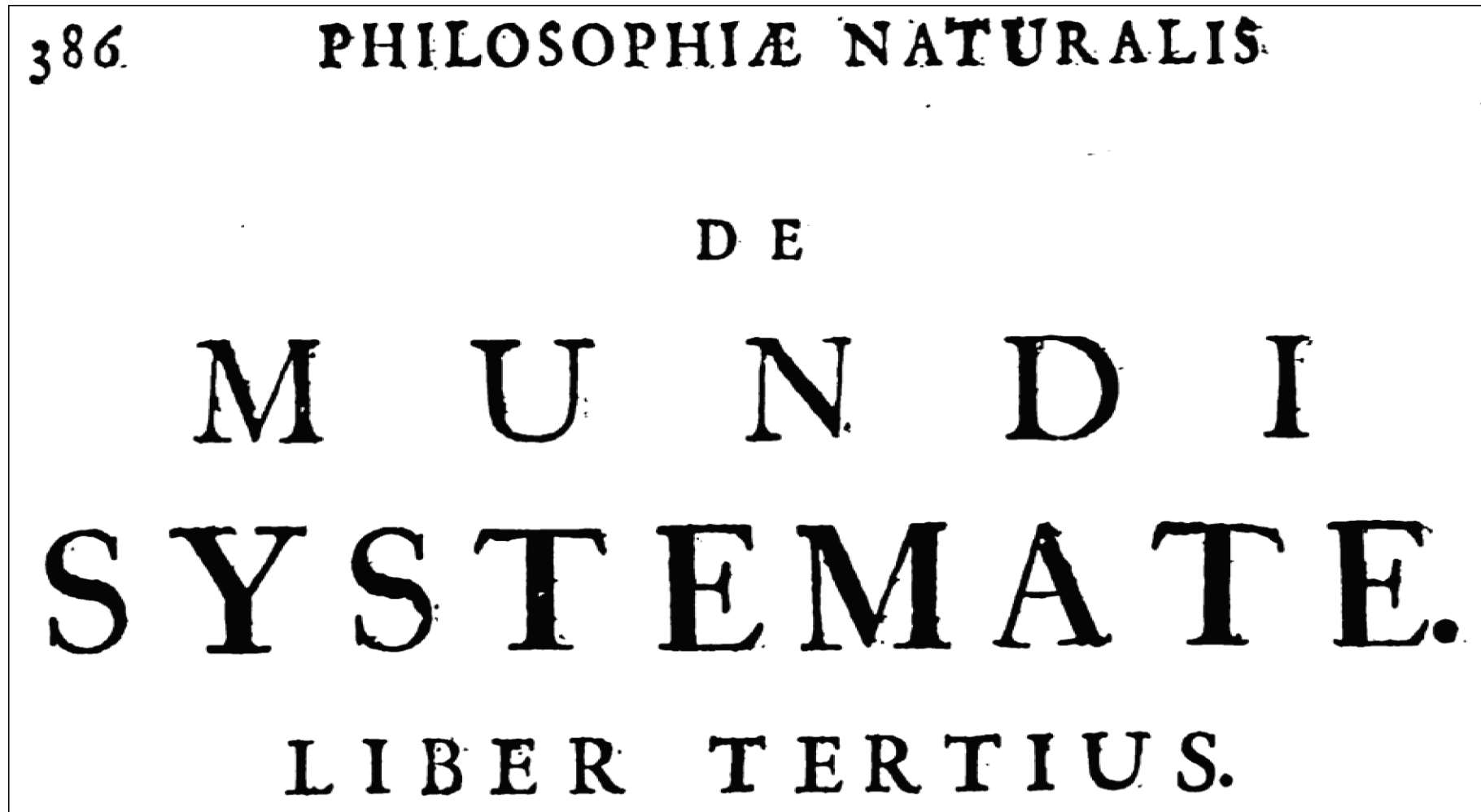
[https://upload.wikimedia.org/wikipedia/commons/1/11/A\\_Horseshoe\\_Einstein\\_Ring\\_from\\_Hubble.JPG](https://upload.wikimedia.org/wikipedia/commons/1/11/A_Horseshoe_Einstein_Ring_from_Hubble.JPG)

## FACTS:

1. there exist gravitational lenses of which a mass can be derived that is significantly larger than their visible matter;
2. according to current cosmology, dark matter would fill this gap;
3. according to current cosmology, dark matter would be required to explain the observed velocity profile of spiral galaxies;
4. **however**, this velocity profile does not require any dark matter, see <http://henk-reints.nl/astro/HR-Dark-matter-slideshow.pdf>;
5. cosmology presumes the universe is Euclidean (i.e. "flat");
6. **however**, the universe definitely is a **3-sphere**, as convincingly shown in <http://henk-reints.nl/astro/HR-Geometry-of-universe-slideshow.pdf>;
7. modern cosmology is full of flaws & excogitations that are not derived from ascertained truths, such as the horizon problem, the flatness problem, (cosmological) redshift of photons whilst they're travelling, inflationary universe, size of the cosmos, observed age of distant objects, dark matter, dark energy (accelerated expansion is a misconception).

# Sir Isaac Newton:

PHILOSOPHIÆ NATURALIS PRINCIPIA MATHEMATICA.



PRINCIPIA MATHEMATICA.

387

R E G U L A E  
P H I L O S O P H A N D I.

---

R E G U L A I.

*Causas rerum naturalium non plures admitti debere, quam quæ  
& veræ sint & earum phænomenis explicandis sufficient.*

**D**icunt utique philosophi: Natura nihil agit frustra, & frustra fit per plura quod fieri potest per pauciora. Natura enim simplex est & rerum causis superfluis non luxuriat.

*Caufas rerum naturalium non plures admitti debere, quam quæ & veræ fint & earum phænomenis explicandis sufficient.*

*No more causes of natural things should be allowed than such as are AND true AND sufficient to explain their appearances.*

Dicunt utique philosophi: Natura nihil agit frustra,  
& frustra fit per plura quod fieri potest per pauciora.  
Natura enim simplex est & rerum caufis superfluis non luxuriat.

Scientists say by all means: Nature does nothing in vain,  
and in vain is what is done by more which can be done by less.  
After all, nature is simple and things do not benefit from superfluous causes.

# Dark matter is not an ascertained truth.

It merely is an excogitation to fill the gap between Keplerian decline and the observed velocity profile of spiral galaxies. Neither is any 2<sup>nd</sup> order excogitation (e.g. WIMPS etc.) to be considered a truth.

**NOT ANY EXCOGITATION IS TO BE CONSIDERED A TRUTH!**

# Keplerian decline is not a truth at all,

but a ~~STUPID ER...~~ rather clumsy mistake. The predicted velocity profile by correct deduction using Newtonian gravitation of only visible matter perfectly agrees with the observed velocity profiles, as shown in <http://henk-reints.nl/astro/HR-Dark-matter-slideshow.pdf> .

# Black holes are an ascertained truth.

Doesn't "**black**" indicate they do not emit light by themselves? Matter surrounding them will be pulled inwards, which can make it (very) hot and luminous, but is such matter compulsory?

Isn't it way more plausible to presume that strong but not so luminous gravitational lenses are (very) heavy black holes, than that observed things would consist of something nonexistent?

Please see (& study):

<http://henk-reints.nl/astro/gravLensing.html>

for my analysis of gravitational lenses.

