

Q = Entfernung Erde bis zur Quelle / zum
Ursprung der Hintergrundstrahlung

$$e = m \times c^2$$

The Prophecy ! A philosophy of Eternal Infinity

$$Z = \frac{A_{REH}}{\left(\frac{Q_{REH}}{14} \right)}$$

A = Abstand zwischen U-Ort zu M-Ort

$$WL-M-Ort = WL-U-Ort \times m \times 10^{(-x + z)}$$

Bild: „James-Webb NIRCam NASA“ deep field Aufnahme

The Prophecy

With an even more powerful infrared telescope than the James-Webb and possibly out of the moon's shadow, or with two James-Webb telescopes, interconnected from the opposite sides of its Earth orbit, we will one day past the supposed Big Bang, discover ancient galaxies with Black Howls and heavy elements even at distance of well over 14 billion light years in eternal infinity, much older than previously thought possible

GN-z11

Bild: „James-Webb NIRCam NASA“ deep field Aufnahme

The Prophecy

? What is this prophecy based on?

- * On evaluations of this deep field image with GN-z11**
 - * On Reflections on Eternal Infinity with Time and Space**
 - * On the natural laws of entropy**
 - * On scatter / tsunami effect instead of Doppler effect**
 - * On the principle of the Hubble- versus FBS-Constant**
 - * On ecological considerations regarding the laws of nature**
- More on this in the following**



Prophecy / Philosophy

How do you come to such considerations?

**The thoughts are based on a universe that extends far
beyond the universe known today.
Eternal Infinity
and an eternal trinity of nature**

! Of course, they could also be wrong!

But they are all worth discussing

? Eternal Trinity of Nature ?

? What are the components of the nature that surrounds us?

There are:

The 4 dimensions of space-time

The complex of matter, gravity, radiation, energy

The laws of nature

**From these 3 building blocks results everything that
surrounds us
in an infinitely high infinitely complex system**

The eternal components of nature

- 1. The 4 dimensions of space-time**
- 2. The complex of matter, gravity, radiation, energy**
- 3. The laws of nature or laws of nature**

All three building blocks of nature are eternal and intrinsically unchangeable and neither reproducible nor reducible

In the interplay, on the other hand, they ensure constant change and constant change without static states and in eternal periods of time everything is inseparably connected with everyone

Infinitely complex



Like a top freiber, everything is intertwined in and with each other in eternal infinity

Only in an infinite number of and at least 4-dimensional entanglements

But where do you start exploring this infinitely complex system when there is no beginning or end?

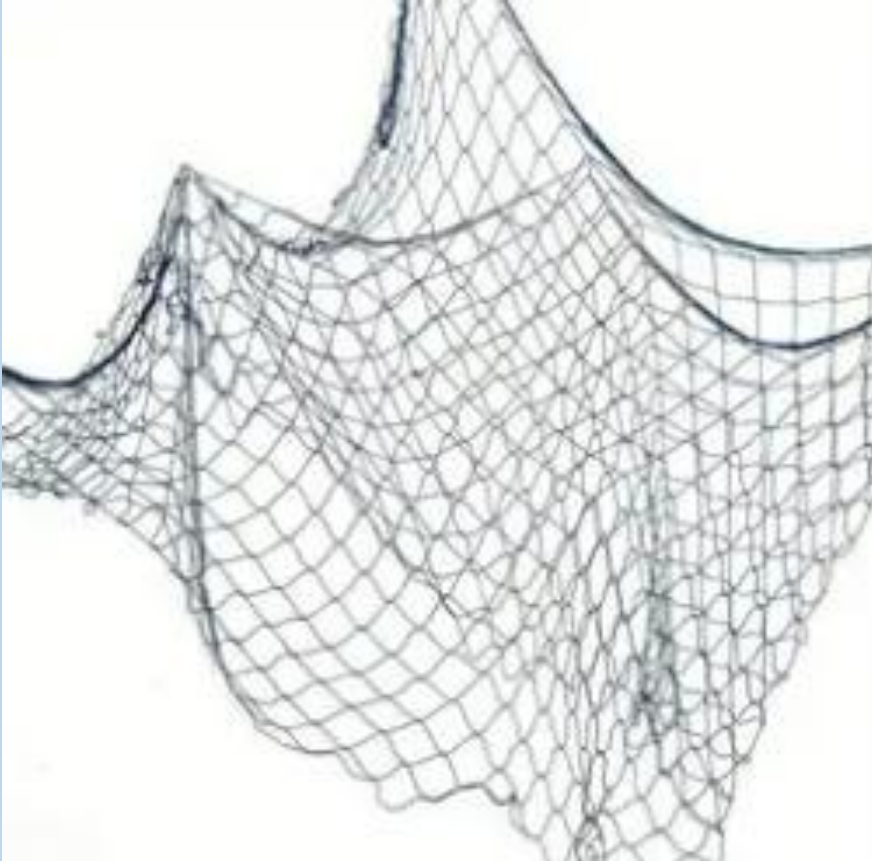
4-dimensional entanglements



**The entanglements are almost
incomprehensible and hardly
imaginable due to the 4
dimensions of eternal and infinite
space-time alone**

**But you can only approach things
one after the other
and not in all details at the same
time**

Infinite networks



No matter how complex the networking is, you have to choose a place where you start with the description and discussion

Due to the complexity, it is inevitable to jump back to previous thoughts from time to time (repetitions) in order to "branch off" from there to further trains of thought in a different direction

Since a discussion also takes time, time may also be the appropriate beginning for these discussions

Time + infinity = eternity

When looking at **time in connection with infinity, we very quickly reach the limits of our imagination**

Eternity – a **time without beginning and end is beyond the possibilities of our mind**

Nevertheless, a temporal infinity is real, just like a spatial infinity,

which in total corresponds to the 4 infinite dimensions of space-time

But first, let's look at time and eternity

? What is eternity / What is time?

? What's the difference?

! Eternity does not pass !

! Eternity is not measurable!

! Eternity has neither a beginning nor an end!

! Eternity can neither get shorter nor longer!

! Eternity is not relative!

? What is time ?

Time is relative

? But relative to what?

Time is relative to our human lifespan

**That is, we can compare the duration
of individual processes only with our own lifespan**

! There is no absolute standard / unit of measurement for time!

! So "time" can definitely not be measured absolutely!



The Relation of Time

With the help of clocks,

**we can compare the duration of all other operations known to us
with each other and with the duration of our lifespan
and thus make us understand their duration**

! But we definitely can't measure time / eternity!

? But what are and what do watches do?

? Watches – meaning and purpose ?



**Clocks are man-made and
with the help of which, for example, we can improve
the daily routines in today's societies
control and synchronize,
Planning for the future in an orderly manner
and take a look into the past**

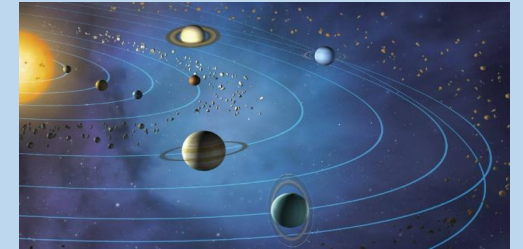


**We can also compare astronomical processes with it
and put them in relation to us in order to give them at least halfway
comprehensible**

! But watches can definitely not measure anything, but only compare!

! Time duration of movements !

**Every movement in space also takes time,
no matter the magnitude of such a movement process,
on an astronomical scale, on an earthly scale or on a subatomic scale
Under exactly the same external conditions, the same process requires
no matter where it is in or outside of the
part of the eternal infinity takes place,
also exactly the same length of time**



**Under different external conditions
(Temperature, gravity, centrifugal force, acceleration, deceleration, etc.)
the duration also changes,
that such a movement process requires**



Change in time duration

**! Changes during an operation
due to other external conditions
its duration, however, does not mean that
that time passes faster or slower!**



! Time / eternity does not pass !

**What watches supposedly "measure" is only a standard of comparison,
but no absolute greatness, no absolute standard,
not even for "measurements" with atomic clocks**

Atomic clocks

Also atomic clocks, with the oscillation of cesium atoms, are a mechanical system at the atomic level, which is subject to the influence of changing external conditions

Time / Eternity

can neither be stretched nor compressed

If the duration of the oscillation of the cesium atoms changes in a

Atomic clock due to external influences

(e.g. different gravity, acceleration, temperature, etc.)

time does not pass faster or slower,

but the process takes time because of these influences

longer or shorter



Measurability / Benchmark

**Again - Against the Background of Eternity
there is no absolute standard for measuring time**

Time / eternity cannot be measured,

**you can only calculate the duration of motion processes
relate them to each other and compare them with each other
! Time / eternity does not pass and is not measurable!**

**A unit of measurement for comparisons can be defined,
but this does not mean that this unit of measurement is
to an absolute standard**



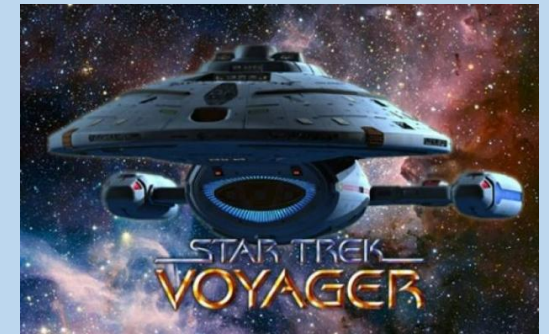
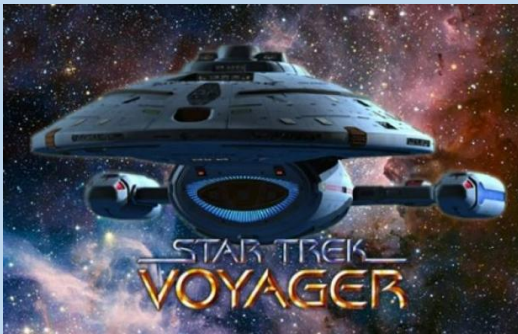
Legibility / Transience

Only the duration of movement processes is recognizable and comparable,
which can also be made readable by means of and with the help of clocks

But time / eternity does not pass
and eternity does not become shorter or longer

Since there is no absolute standard for measuring time/eternity,
is the assumption that time somewhere is faster or slower

could pass away,
just a wish from science fiction novels,
but far from any reality
and not a scientifically provable fact



! Time / eternity does not pass, only our lifespan passes!

Packed in Mathematics

**"From a story that was made up
(science fiction),**

**is only made by the fact that this story is packed into complex
mathematics**

is still far from being a science"

**Analogous to the meaning Quote Sabine Hossenfelder
3 Sat Scobel 04.04.2024**

**According to logic, the whole thing must also be carried out in
accordance with the**

laws of nature and must not contradict them

Mathematically completely correct

3

minus

5

plus

2

is

0

You can use any formula in which the factor "time" occurs,
purely mathematically also solve like this,
that time becomes a variable quantity,
but this has absolutely nothing to do with reality

It is also mathematically correct, for example,
that if from a space,
with 3 people in and 5 people going out,
two people have to go back in,
so that no one is left inside.

Mathematically completely correct, but beyond all reality

Eternal-Infinity

**But we have it in an eternal infinity
not only to do with eternity,
but also with the infinity of space**

**! Infinity does not expand
it is still contracting !**

! Even infinity is not measurable!

Scale / Measurability

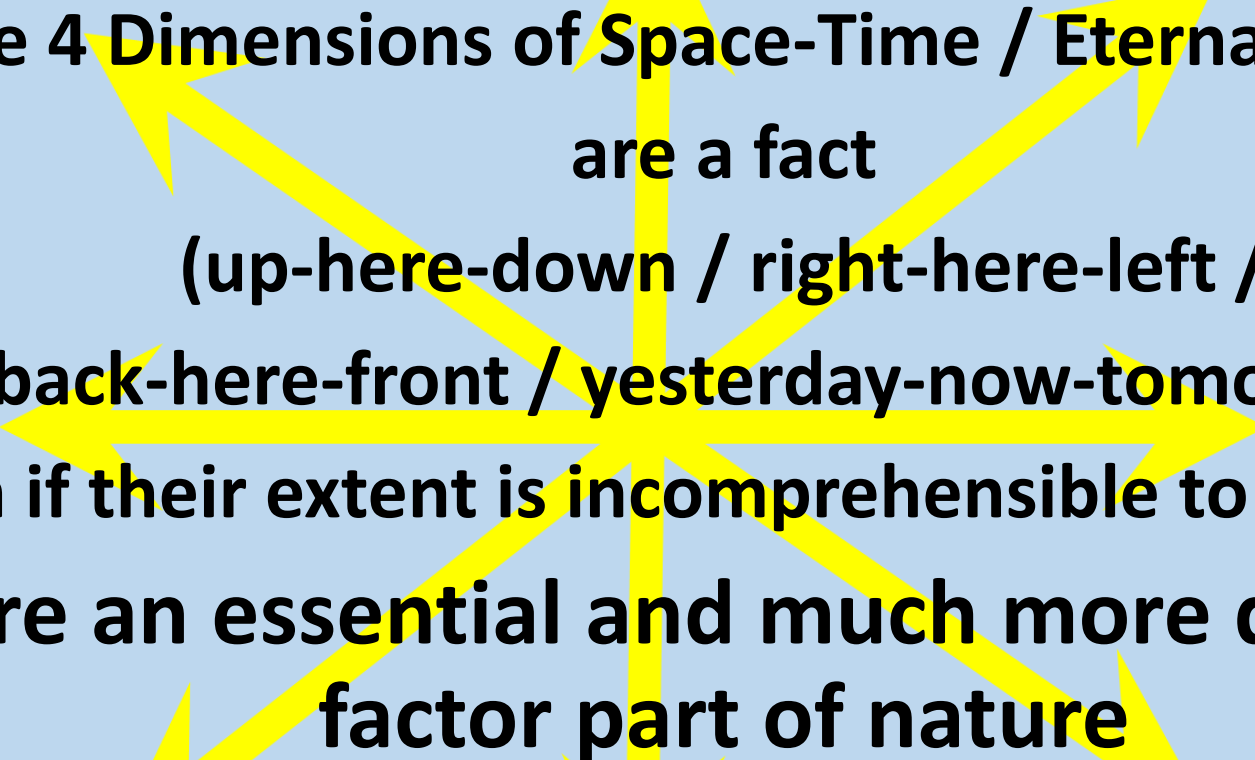
Also with regard to the infinite dimensions of space
there is no absolute standard,
with which you could measure them

There are only man-made "yardsticks" with the help of which
we can make

our spatial environment comprehensible and manageable

! So infinity is just as immeasurable as eternity!

Part of nature



**The 4 Dimensions of Space-Time / Eternal Infinity
are a fact
(up-here-down / right-here-left /
back-here-front / yesterday-now-tomorrow)
even if their extent is incomprehensible to our minds
They are an essential and much more determining
factor part of nature**

One of Three

With the 4 dimensions of space-time

**We have now fathomed the first component of nature,
within which everything else happens**

? But what are the other components ?

**So that something can happen
matter and energy are required as a second component**

Matter, Gravity, Energy, Radiation

In order for something to happen,
so that there can be motion processes in space-time
something that can be moved around or that can move is required

So matter is required and for it to move or move
the necessary energy is required

Both can be converted into each other
Matter can disintegrate into energy
and in black holes, radiation energy may be
"pressed" back into matter by the energy of gravity

Chaos avoidance

§ To ensure that everything runs in an "orderly way",
rules are still needed,
after which all this happens

§ This brings us to the laws of nature
in the third component / building block of nature,
who controls all the processes

Processes

In an eternal infinity there are also an infinite number of processes

These processes are in accordance with the laws of nature with each other in an infinite number of interrelationships and form with force and counterforce (Yin and Yang) an infinite number of control loops, including opposing loops

With these control circuits, the system controls itself

Potential differences

To keep such a system running,
there is a need for energetic potential differences

On the one hand, the heat of the starfire,
on the other hand, the cold of space

Gravity is another player
and stellar explosions (supernovae) also

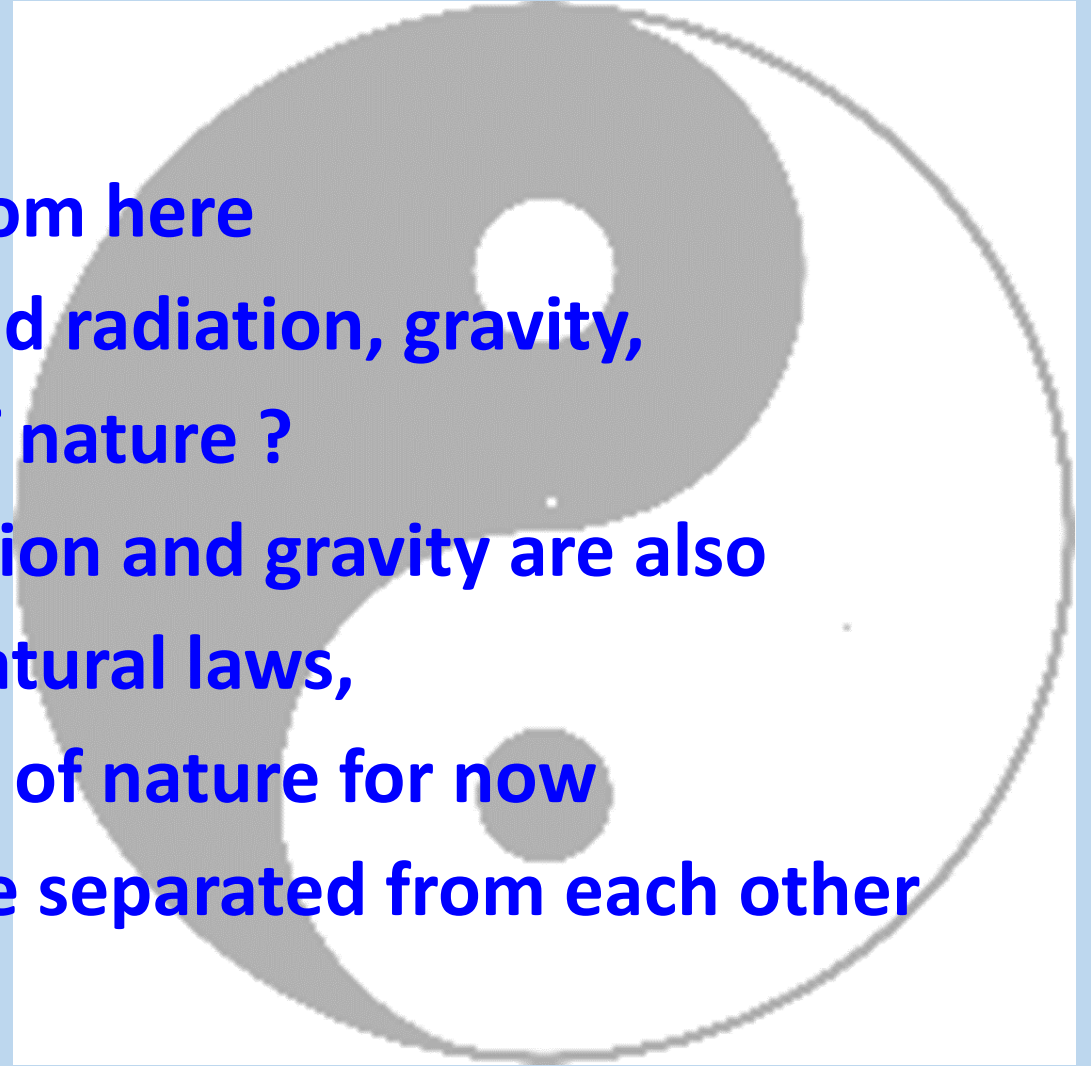
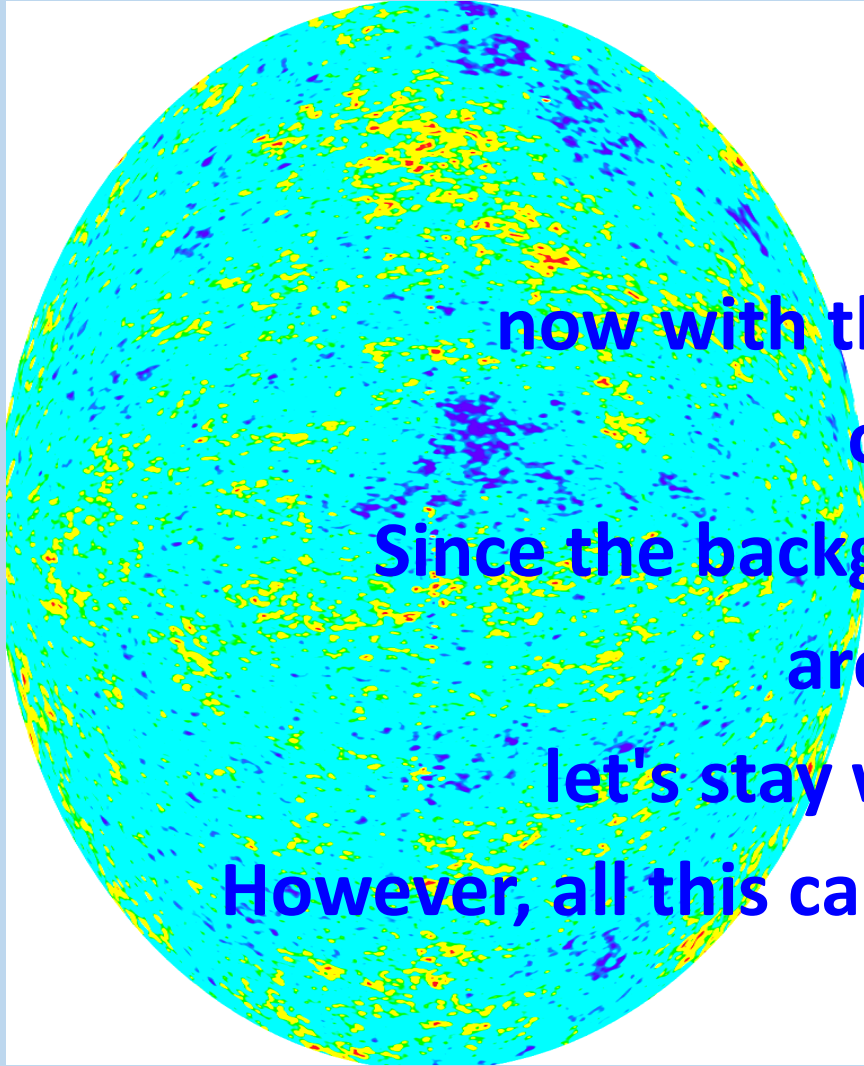
Functionality

Explosions distribute matter in space and time with kinetic energy and radiation

According to the **laws of nature** for entropy any form of energy is sooner or later converted into heat and thermal radiation in the context of different interactions, to the cold of the background radiation with approx. 3 degrees Kelvin above absolute zero

The only opponent here is gravity

Gretchen question - what do we continue with?



Let's start from here
now with the background radiation, gravity,
or the laws of nature ?
Since the background radiation and gravity are also
are based on natural laws,
let's stay with the laws of nature for now
However, all this cannot really be separated from each other

Natural laws - absolute validity

**Natural laws apply in eternal infinity
always and everywhere absolute and unchangeable,**

**although we must be aware that we will still have a long way to go
do not know all of these laws of nature**

**Thus, for example, we also remain hidden from what is happening beyond the
"background radiation",
i.e. beyond the event horizon of what we can manage,
Hollow Spherical Cutout of Eternal Infinity
or inside "black holes"
so everything goes on**

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Unfathomable

**Even if it remains hidden from us,
what is beyond the event horizons of "black holes"
and the "background radiation" everything is going on,
this also happens within the framework of the absolutely and
irrefutable
laws of nature that apply in the same way everywhere,
even if we do not know large parts of these laws
and we have them beyond the mentioned limits
are not yet able to research**

All comprehensive laws of nature

**There are and are valid in black holes
and beyond the background radiation
no other laws of nature than here with us,
but only those parts of these laws of nature,
that elude our exploration and knowledge.
But it is not something that can't be described as
"Laws of nature"
or could be subsumed.**

Scope

Each type of natural law has its own scope

**That is, in order for a certain law of nature to become effective,
precisely defined external circumstances must be present**

**Water boils and evaporates only at 100° Celsius,
if the gas pressure is exactly equal to 1 atmosphere (1000 hPa)**

**Only where there is gravity does the apple fall from the tree
or does the water also flow downhill**

**Only where the effect of gravity exceeds the speed of propagation of
any radiation,
an event horizon that can no longer be analysed develops around this
centre of gravity and thus a "black hole"**

Beyond the Event Horizon

**Even what happens behind the event horizon of a black hole,
is based on natural laws,
which we do not know and probably cannot research,
but since both matter and radiation disappear in it,
something has to happen in it – but what?
One can only assume that these are processes
at the level of particle physics**

Particle physics

Could this be about processes at the level of elementary particles?

Quarks

Up Charm Top
Down Strange Bottom

Leptonen

Elektron Myon Tau
Elektron- Myon- Tau-
Neutrino Neutrino Neutrino

Eichbosonen

Gluon
Photon
Z-Boson
W-Boson

Mass particlesn

Higgs-Particle

(Gravity particles)

Is it possible that radiation is "compressed"
back into mass in black holes?

Instead of singularity, all Higgs particles?

Such a process would also be a law of nature

Getting to the bottom of nature

With the 4 infinite dimensions of space-time,
with matter, gravity, energy and radiation
as well as the laws of nature
with their ∞ many interactions
we are now familiar with the 3 main components of nature
that surrounds us
and beyond the event horizons
of black holes or background radiation
? But what results from background radiation ?

Background radiation

An essential question is:

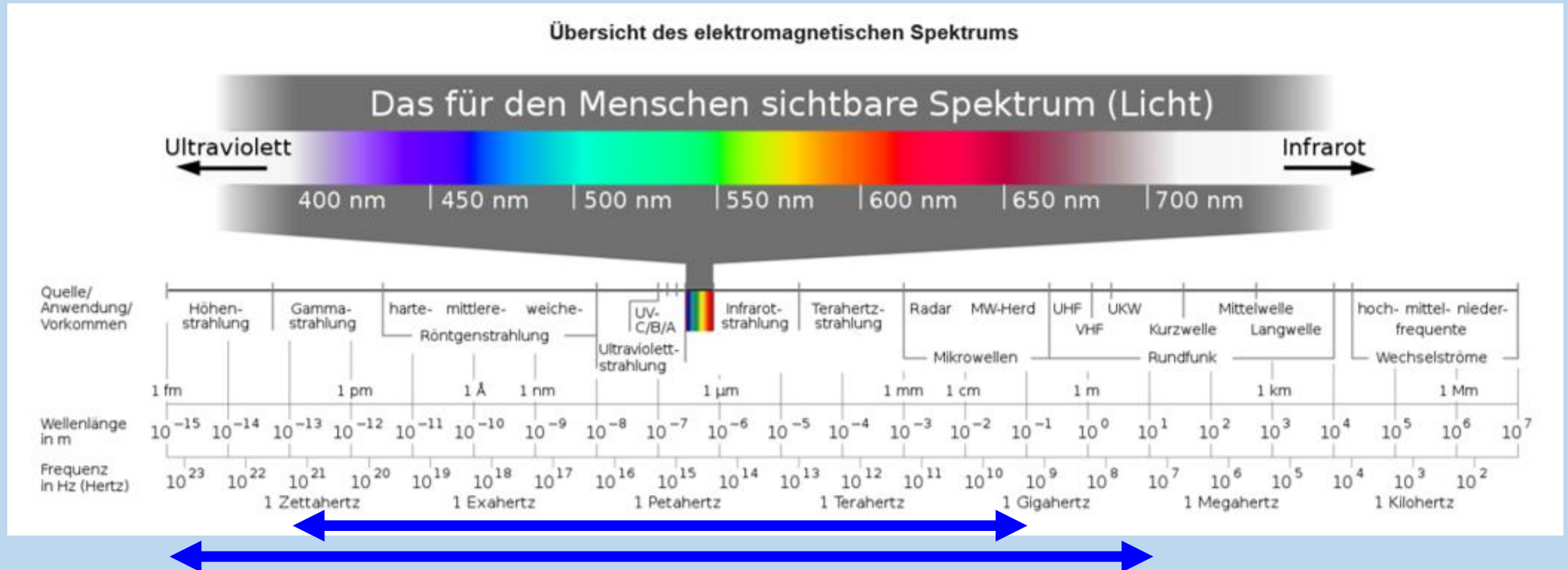
Where – from what distance does the background radiation come?

**Depending on the distance from which background radiation is coming
and which distance unit is calculated,
the FBS Constant takes on a different value**

**Analogous to the Hubble Constant, the FBS Constant shows a value by
which the wavelength / frequency of electromagnetic radiation per unit of
space distance changes**

**For the principle that the FBS Constant is about, however, the unit of
measurement is initially completely irrelevant**

Average - 14 powers of ten



The area that is roughly relevant for the following considerations of the wavelength is between 12 and 16 powers of ten

Hubble Constant / FBS Constant

That we as background radiation
only receive micro and radio waves
and no gamma or X-rays,
lies both in the considerations of the Hubble Constant,
as well as in the considerations of the FBS Constant
at a huge redshift
in the electromagnetic spectrum
by an average of 14 powers of ten
in terms of wavelength and frequency

Wavelength difference = 10 to the power of 14

The difference in wavelength
between high-frequency radiation,
as it is produced when stars explode or form
(or is said to have been created during the supposed Big Bang,
whose echo is supposedly the background radiation)
on the wavelength of the micro and radio waves
receivable background radiation is due to the
Redshift on average at
14 powers of ten
i.e. between 10^{-14} and 10^{+0}

14 units of space

$$10^{-15} / 10^{-13} \text{ and } 10^{-1} / 10^{+1}$$

Since there are on average about 14 orders of magnitude between these values, for the FBS Constant it is a good idea to divide the distance between earth and source of the background radiation into 14 equal units of space (uos)

so that per unit of space, the wavelength / frequency of a radiation changes by a power of ten, i.e. in a ratio of 1 to 1.

The exact extent of a uos

(measurable in megaparsec Mpc or light years Lry)

does not matter at first,

since it is only a matter of the principle

of the wavelength / frequency change per unit of space

Diameter 28 units of space

The diameter of the "manageable" space from the earth to the source / origin of the background radiation is 28 units of space

From Earth in each direction, i.e. 14 units of space

Due to the redshift, only micro and radio waves reach us
from the originally high-frequency altitude and gamma radiation,
with an energy density of about 3° Kelvin above absolute zero
??? Supposed echo of the Big Bang ???

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Balloon

You can imagine the whole thing
as if you were in the middle of a
inflated balloons

and look at its outer skin from the inside

This part of the "eternal infinity" that we "manage"
in common parlance is called the "universe".

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Powers of ten

What do positive or negative powers of ten mean?

It is a compact notation for very small and very large numbers

$$1\text{m} \times 10^{-15} = 0,000\ 000\ 000\ 000\ 001\text{m} \quad (1 \text{ Femtometer})$$

$$1\text{m} \times 10^{-14} = 0,000\ 000\ 000\ 000\ 01\text{m} \quad (10 \text{ Femtometer})$$

$$1\text{m} \times 10^{-12} = 0,000\ 000\ 000\ 001\text{m} \quad (1 \text{ Picometer})$$

$$1\text{m} \times 10^{-1} = 0,10\text{m} \quad (1 \text{ Dezimeter})$$

$$1\text{m} \times 10^0 = 1,00\text{m} \quad \text{one less negative power of ten}$$

$$1\text{m} \times 10^1 = 10,00\text{m} \quad \text{means one "zero" less according to}$$

$$1\text{m} \times 10^2 = 100,00\text{m} \quad \text{the comma before the first digit follows;}$$

for positive powers of ten, it is always one "zero" more before the decimal point

Calculating with powers of ten

Calculating with powers of ten is not lofty mathematics
The basic arithmetic operations are also sufficient for this
If you add something to the negative potency,
then the "zeros" after the decimal point become less
or before the decimal point more

$$1\text{m} \times 10^{-15} = 0,000\ 000\ 000\ 000\ 001\text{m} \quad (1 \text{ Femtometer})$$

$$1\text{m} \times 10^{(-15+14)} = 1\text{m} \times 10^{-1} = 0,1\text{m} \quad (1 \text{ Dezimeter})$$

$$1\text{m} \times 10^{(-13+14)} = 1\text{m} \times 10^1 = 10,0\text{m} \quad (10 \text{ Meter})$$

So no pompous mathematics to hide behind

Fundamental Question 1

The Redshift

of the high-frequency "background radiation"

**of the universe is it really based at an insanely high escape velocity
of objects there**

and is this as a supposed "echo" of the Big Bang,

and as **assumed by Edwin Powell Hubble, really a**

Doppler Effect ?

Fundamental Question 2

Or is the Redshift based
on the regularities of
Entropy,

according to which **it has been proven** that every form of energy turns into thermal radiation over time, which radiates into space and "loses" itself there in its coldness?

Then instead of a Doppler Effect, this would be a kind of

Scattering- / Tsunami Effect

This also is only an assumption, **but on the basis of proven laws**

Q = Entfernung Erde bis zur Quelle / zum
Ursprung der Hintergrundstrahlung

$$z = \frac{A_{REH}}{\left(\frac{Q_{REH}}{14} \right)}$$

Entropy as a cause of redshift ? Scattering- / Tsunami Effect instead of Doppler Effect ?

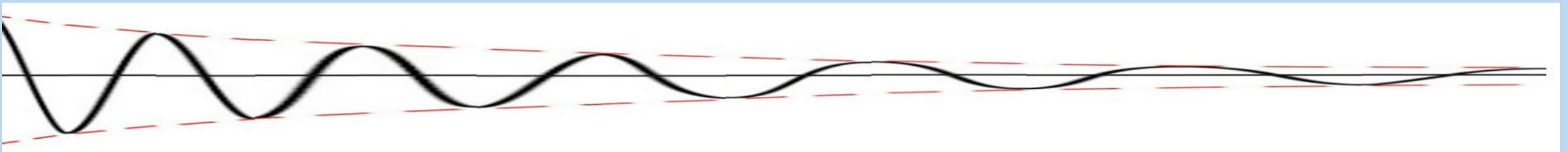
$$WL-M-Ort = WL-U-Ort \times 10^{(-X + Z)}$$

A = Abstand zwischen U-Ort zu M-Ort

$$e = m \times c^2$$

Conformity to the laws of nature

In the case of the Tsunami Effect, with increasing distance from the place of origin, a tsunami wave becomes flatter and longer



**With increasing distance from the place of origin,
energy density of the wave decreases per unit of space,
until somewhere almost nothing measurable arrives**



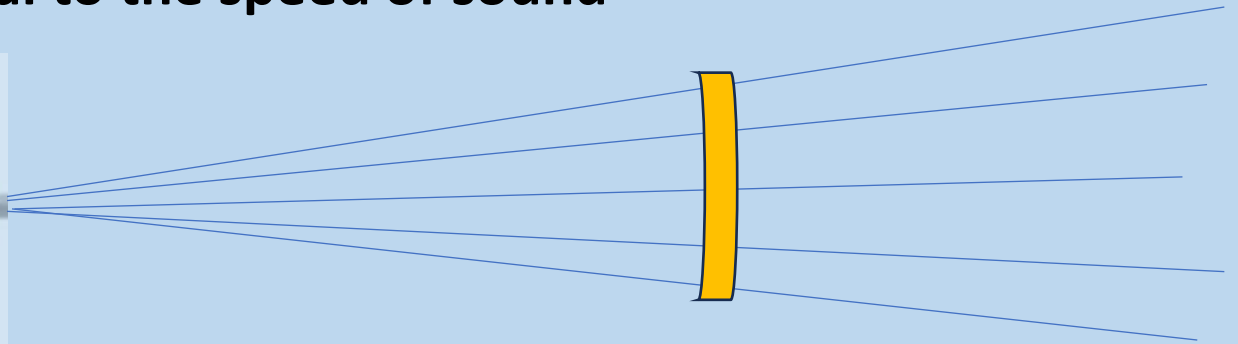
Anyone who has ever thrown a large stone into a pond when there is no wind has been able to observe this effect in a greatly weakened form

Tsunami

Effekt

Thought model for the scattering effect

With regard to the wave/particle properties of electromagnetic radiation
one imagine in vacuum and weightlessness,
a machine gun with a sawn-off barrel,
and a firing rate of one Skipper per second
and V_0 which is equal to the speed of sound



Frequency = 1 Hz, wavelength 330m.
In a collection bowl, set up nearby,
all shotgun pellets still hit with this frequency / wavelength.

Thought model for the scattering effect

Further away, some of the shotgun pellets fly past the collection bowl because of the scattering effect, but the frequency / wavelength remains the same because every shot still hits.

If the collection bowl is placed at a much greater distance and so, for example, a shotgun pellet from every second shot cartridge fired will stray into the collection bowl because of the scattering.

Despite the constant firing sequence, the collection bowl now registers a frequency of 0.5 Hz and a wavelength of 660m.

Thought model for the scattering effect

At even greater distances, for example, only one pellet per 10 fired cartridges hits the collection bowl.

The frequency (0.1 Hz) has decreased by a power of ten and the wavelength (3300m) has increased by a power of ten.

At even greater distances, it can also be several powers of ten. But this is not a Doppler Effect, but only an effect of scattering and the distribution of particles in space and time.

Fundamental question

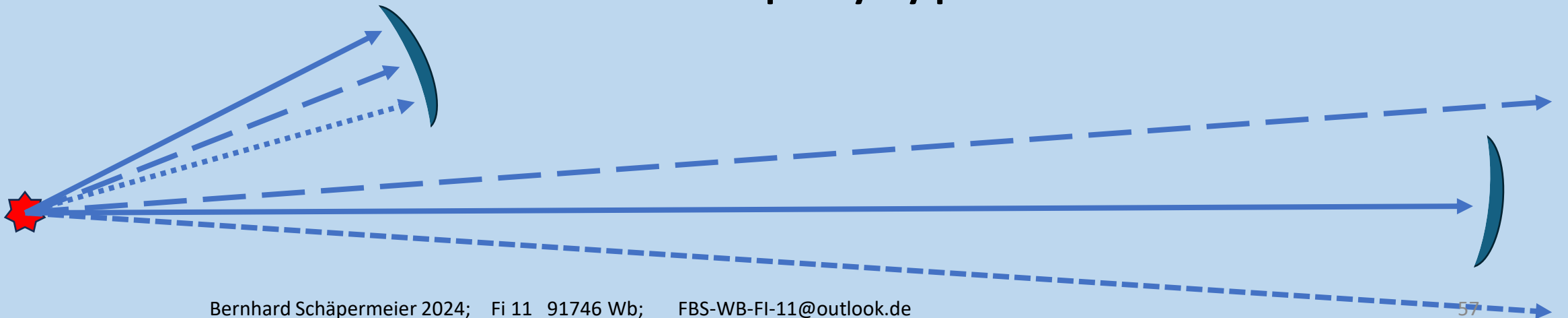
**Who can actually refute that electromagnetic waves
with regard to photons and electron volts
with their particle and radiation properties
due to the scattering effect and the laws of entropy
(every form of energy converts to heat / cold)
to behave like this
in the course of its propagation in space and time?**

Particles - scattering effect

If you have a receiver (e.g. dish of a radio telescope) near the emission source, all particles (photons / electron volts) of each "wave" still hit the receiver at a high frequency.

If you move away from the source, the frequency (wavelength) remains the same at first, but the number of particles (photons / electron volts / energy density) per unit of time decreases.

But if you move much further away, then due to the scattering effect, particles from each "wave" no longer hit the receiving device, but partly fly past it.



Hit rate

**If only one particle of every second "wave" hits the receiver,
the measurable frequency / energy density by half
and the measured wavelength doubles.**

At an even greater distance, this effect intensifies even further.

**At some point, for example, at an even greater distance, only every tenth particle
(photon / electron volt) hits the receiving device,
measurable frequency / energy density reduced by a power of ten;
wavelength is stretched by a power of ten
until in the end in a still manageable period of time
in a distance of about 14 units of space hardly a particle hits
"Background Noise"**

1 : 100 trillion (photons / electron volts)

Close to the radiation source, for example, every photon / electron volt hits the receiving device.

However, if one assumes a frequency reduction / wavelength stretching by a power of ten per unit of space and 14 units of space, only every

$$\text{100-trillionth} \quad \frac{1}{100.000.000.000.000}$$

particle (gamma photon / photon / electron volt) hits the receiving device,
(measurable frequency reduced by 14 powers of ten ;
measured wavelength stretched by 14 powers of ten = radio wave)

? The radio wave "background noise" a result of the scattering effect ?

Observation limit

**Somewhere lies the limit of what with our receivers
still can be recognized.**

**We receive a background noise,
which, due to the lack of a sufficient measurement base,
of our infrared and radio telescopes
no more details can be resolved.**

**But there is no end to space and time there,
it is only an observation limit
due to the performance of our telescopes**

Observation limit

With our measuring instruments and telescopes of all kinds, we can only ever record the current state (wavelength) at the receiving location / location of the measuring instrument

As is well known, no one has ever been able to observe how the same radiation wave behaves, e.g. after about 3.26 billion years, at a distance of 1000 megaparsecs.

**Humanity is simply not old enough for that
and our Milky Way is much too small to be able to observe
corresponding effects.**

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Observation limit

**From all directions we receive the same thing on earth
in the center of a hollow sphere;
microwaves and radio waves**

**This hollow sphere part of the "eternal infinity", which we "manage",
in common parlance is called the "universe".**

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Essential parameters for the FBS constant

- WL = Wavelength spectrum from $m \times 10^{-15/-13}$ until ca. $m \times 10^{-1/+1}$
- uos = Unit of space within which the wavelength increases by a power of ten and the frequency / energy density decreases by a power of ten
- S = 14 uos = Distance from Earth to the source of the background radiation
- PO = Place of origin of electromagnetic radiation
- ML = Measuring instrument location (Radio, Infrarot, Light Teleskop, etc.)
- D = Distance between PO and ML in uos
- Z = D uos / 1 uos **Z** = Powers of ten, by which the wavelength is reduced

Since in terms of background radiation D equals S 14 uos,

$$\text{results Z as } \frac{14 \text{ uos}}{1 \text{ uos}} = 14$$

Conformity to the laws of nature

In any case, the energy density per unit of space decreases drastically in proportion to the distance from the place of origin.

How does the decreasing energy density of electromagnetic waves correlate with the wavelength due to their radiation and particle properties (photons / electron volts)?

At a distance $D = S$ of 14 imaginary units of space between the place of origin of the background radiation and the Earth as the measuring location and a difference in wavelengths of an average of 14 powers of ten there is a correlation of 1 to 1 for (Z)

Background Radiation

As already mentioned, an essential question is, from what distance the background radiation comes

The whole thing is easiest if one calculates with the 14 imaginary units of space because then one gets a ratio to the change of frequency/energy density/wavelength of 1 to 1

and the FBS Constant takes the value 1 Z/uos

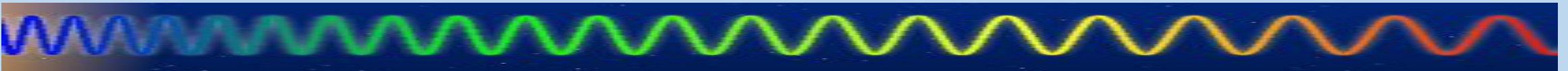
If, on the other hand, the uos are converted into megaparsec (Mpc) or light years (Lyr), then the ratio for the FBS Constant with respect to Mpc or Lyr is different from 1 to 1

For the principle that the FBS Constant is about, however, this does not matter at all

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Stretching Effect

According to conventional wisdom, the small wavelength of the background radiation that reaches us is based on the redshift of the so-called Doppler Effect, according to which objects there move away from us at almost the speed of light or even faster.



Conversely, the objects there also emit high-frequency radiation and gamma radiation, with a wavelength of $m \times 10^{-15}$ or e.g. $m \times 10^{-13}$. Due to the alleged Doppler Effect at almost the speed of light, the measurable wavelength is stretched, corresponding to the micro and radio waves from ca. $m \times 10^{-1}$ until $m \times 10^{+1}$ until it arrives on Earth.

? Faster than the speed of light ?

**Is it realistic to assume
that things move away from us at almost the speed of light
or behind the "Horizon" even faster?**

Faster and with a redshift to infinity?

**Where is the necessary drive energy supposed
to have come from?**

From the Big Bang about 13.7 billion years ago?

At $E = m \times c^2$ - is that even possible?

A question of energy

Even if such an acceleration should have been possible due to the alleged expansion of space by means of the inflation theory;

by what and by what "step on the brake pedal" was it then slowed down again to just below the speed of light?

Without deceleration to below the speed of light, the whole thing would be invisible / no longer receivable

Just as the acceleration energy would have had to be infinitely large several times, this braking energy would have to be just as infinitely large several times.

Is that realistic? Where should both come from?



? Science ?



**The Big Bang and inflation theory
with its accelerated expansion only since now
has been wrapped into complex
mathematical-physical forms**

**The fact that this also had be done
with the "step on the brake pedal"
has not yet been heard of**

**"Only by creating a made-up story
(Big Bang / Inflation Theory)
and wrapping it in complex mathematics,
only by mathematics it is far from becoming science"**

analogous quotation Sabine Hossenfelder 3 Sat Scobel 04.04.2024



3
minus
5
plus
2
is
0

? Mathematics - reality ?

When there are 3 people in a room
and 5 people go out,
then two people have to go in again,
so that no one is left in

That's math, but with reality
it has absolutely nothing to do

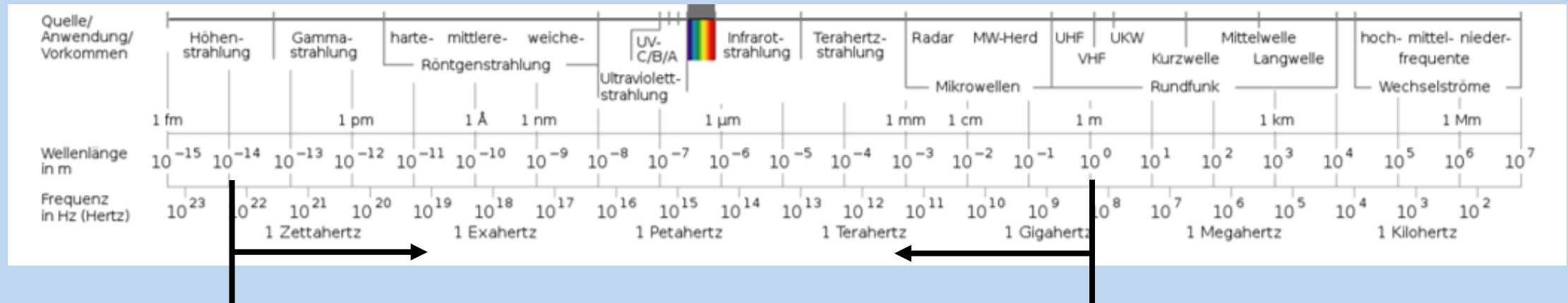
With mathematics you can prove everything and nothing
and not everything that can be calculated corresponds to reality

3
minus
5
plus
2
is
0

Easy Assumption

Isn't it much easier to assume that nothing moves away at almost the speed of light. Just moving, but within the normal framework and that, due to the laws of entropy, wavelength / photon- and electron volt density of the radiation changes on its way through the billions of years with scattering effect and propagation in space and time?

Let's just have a look at the relations again



A power of ten or not - there are about 14 powers of ten that lie in between

Calculating with powers of ten

Calculating with powers of ten is not lofty mathematics
The basic arithmetic operations are also sufficient for this

If you add something to the negative potency,
then the "zeros" after the decimal point become less
or before the decimal point more

$$1\text{m} \times 10^{-15} = 0,000\ 000\ 000\ 000\ 001\text{m} \quad (1 \text{ Femtometer})$$

$$1\text{m} \times 10^{(-15+14)} = 1\text{m} \times 10^{-1} = 0,1\text{m} \quad (1 \text{ Dezimeter})$$

$$1\text{m} \times 10^{(-13+14)} = 1\text{m} \times 10^1 = 10,0\text{m} \quad (10 \text{ Meter})$$

So again; it's not pompous mathematics,
behind which you could hide

Q = Entfernung Erde bis zur Quelle / zum
Ursprung der Hintergrundstrahlung

The FBS Constant "Z"

$$Z = \frac{A \text{ Mpc}}{\left(\frac{Q \text{ Mpc}}{14} \right)}$$

A = Abstand zwischen U-Ort zu M-Ort

$$\text{WL-M-Ort} = \text{WL-U-Ort} \times 10^{(-x + Z)}$$

$$e = m \times c^2$$

Essential parameters for the FBS constant

- WL = Wavelength spectrum from $m \times 10^{-15/-13}$ until ca. $m \times 10^{-1/+1}$
- uos = Unit of space within which the wavelength increases by a power of ten and the frequency / energy density decreases by a power of ten
- S = 14 uos = Distance from Earth to the source of the background radiation
- PO = Place of origin of electromagnetic radiation
- ML = Measuring instrument location (Radio, Infrarot, Light Teleskop, etc.)
- D = Distance between PO and ML in uos
- Z = D uos / 1 uos **Z** = Powers of ten, by which the wavelength is reduced

Since in terms of background radiation D equals S 14 uos,

$$\text{results Z as } \frac{14 \text{ uos}}{1 \text{ uos}} = 14$$

The FBS Constant - simple calculation

If from a distance of 14 units of space (uos) from a radiation with an output wavelength of $m \times 10^{-15}$ or $m \times 10^{-13}$ e.g. only radiation with a wavelength of $m \times 10^{-1}$ untill $m \times 10^1$ arrives with us, then it's a very simple calculation.

For each unit of space, the wavelength decreases by about a power of ten

**A = Distance between PO to ML
14 units of space**

$$Z = \frac{14 \text{ uos}}{1 \text{ uos}} = 14$$

$$\text{WL-PO } m \times 10^{(-15 + 14)} =$$

$$\text{WL-PO } m \times 10^{(-13 + 14)} =$$

$$\text{WL-ML } m \times 10^{-1}$$

$$\text{WL-ML } m \times 10^1$$

The FBS Constant - The Formula

A = Distance between PO to ML
Expressed in units of space

$$Z = \frac{A \text{ units of space}}{1 \text{ unit of space}}$$

$$WL\text{-}ML \text{ m} \times 10^{(\pm X)} = WL\text{-}PO \text{ m} \times 10^{(-X + Z)}$$

Wavelength
Measurement Location

=

Wavelength
Place of Origin

in Meter x $10^{(-X+Z)}$

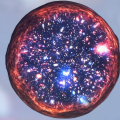
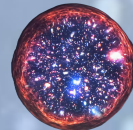
Basic arithmetic operations

If you take this formula as a basis,
then there is no need for an "inflation theory"
another "Big Bang theory" regarding our "universe"

plus minus times divided

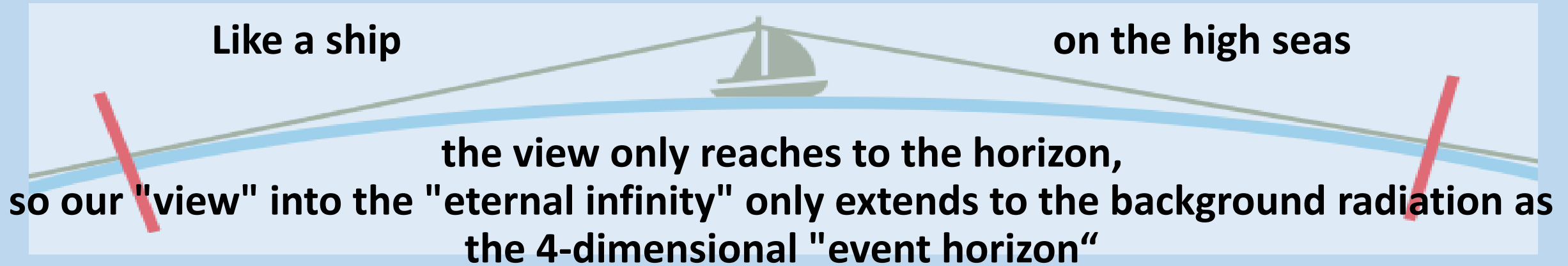
To understand the whole, basic arithmetic operations are sufficient
and you don't hide with it
behind an incomprehensible mathematics or physics

Eternal-Infinity

From this point of view,
this, what in commonly is called the universe,
is only a tiny section  of an
"Eternal Infinity",
from which we can survey until the
Background Radiation
only a "hollow sphere section" 
with a diameter of 28 units of space

Our field of vision

In this hollow sphere section that we "manage", the Earth, our solar system and our galaxy are virtually the center

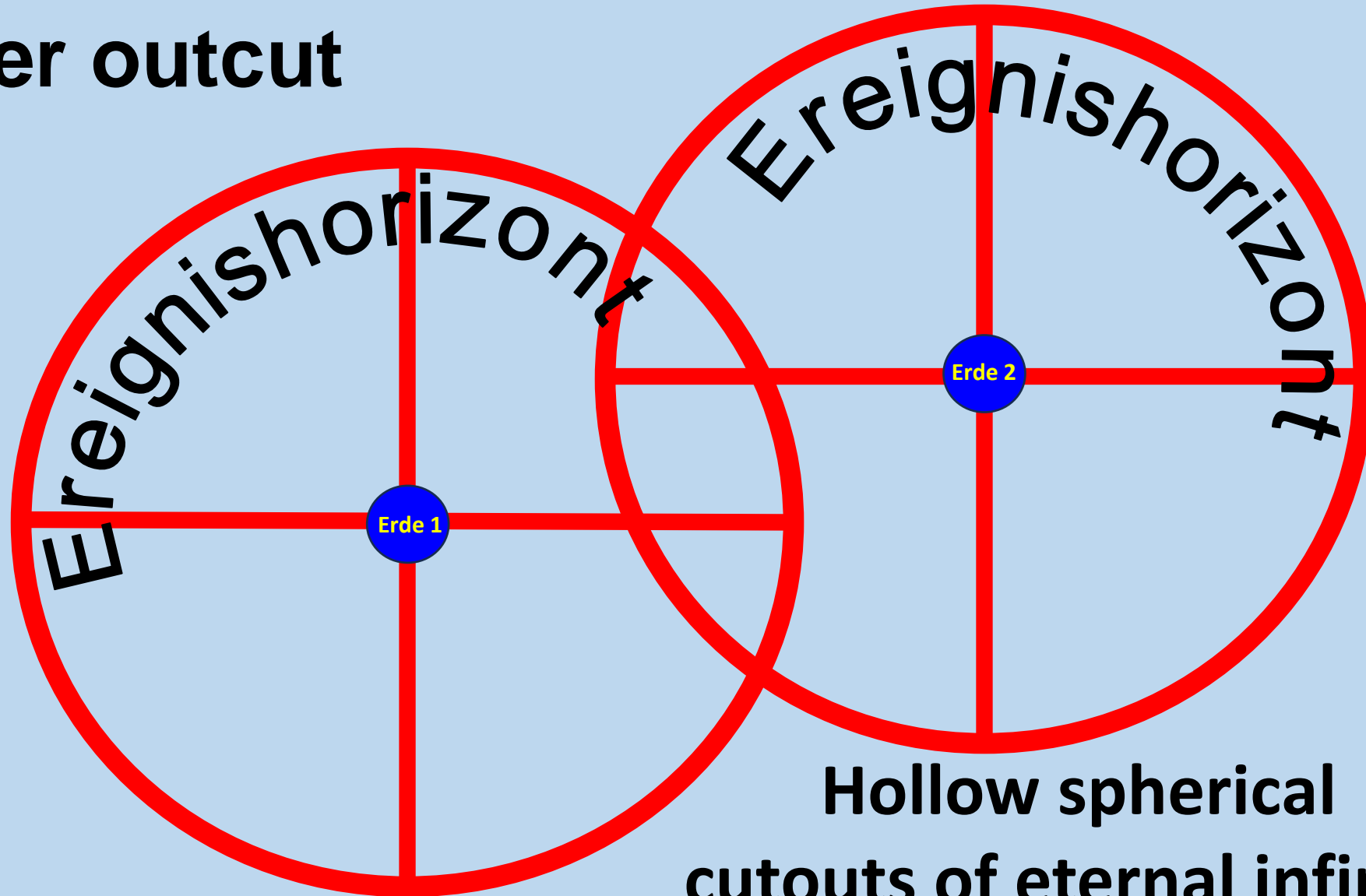


Of everything that lies even further behind and is therefore even older
corresponding to the formula

$$WL-ML \text{ m x } 10^{\pm X} = WL-PO \text{ m x } 10^{(-X + Z)}$$

we simply no longer receive anything that could be received or measured

**Other Location
other output**



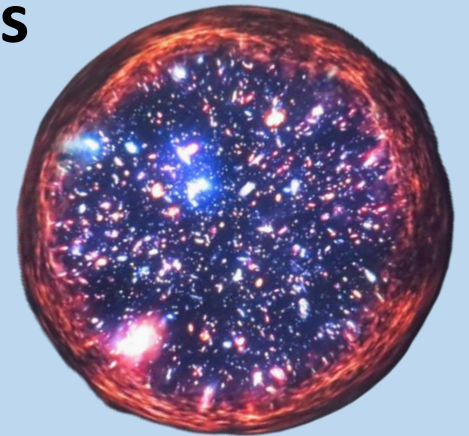
**Hollow spherical
cutouts of eternal infinity**

Other location of other hollow sphere cutting

On a second earth,
in a second solar system and a second galaxy,
which, in contrast to GN-z11, can also be used outside
of the event horizon that can still be grasped by us,
would be the event horizon for its inhabitants
in a very different place from ours.

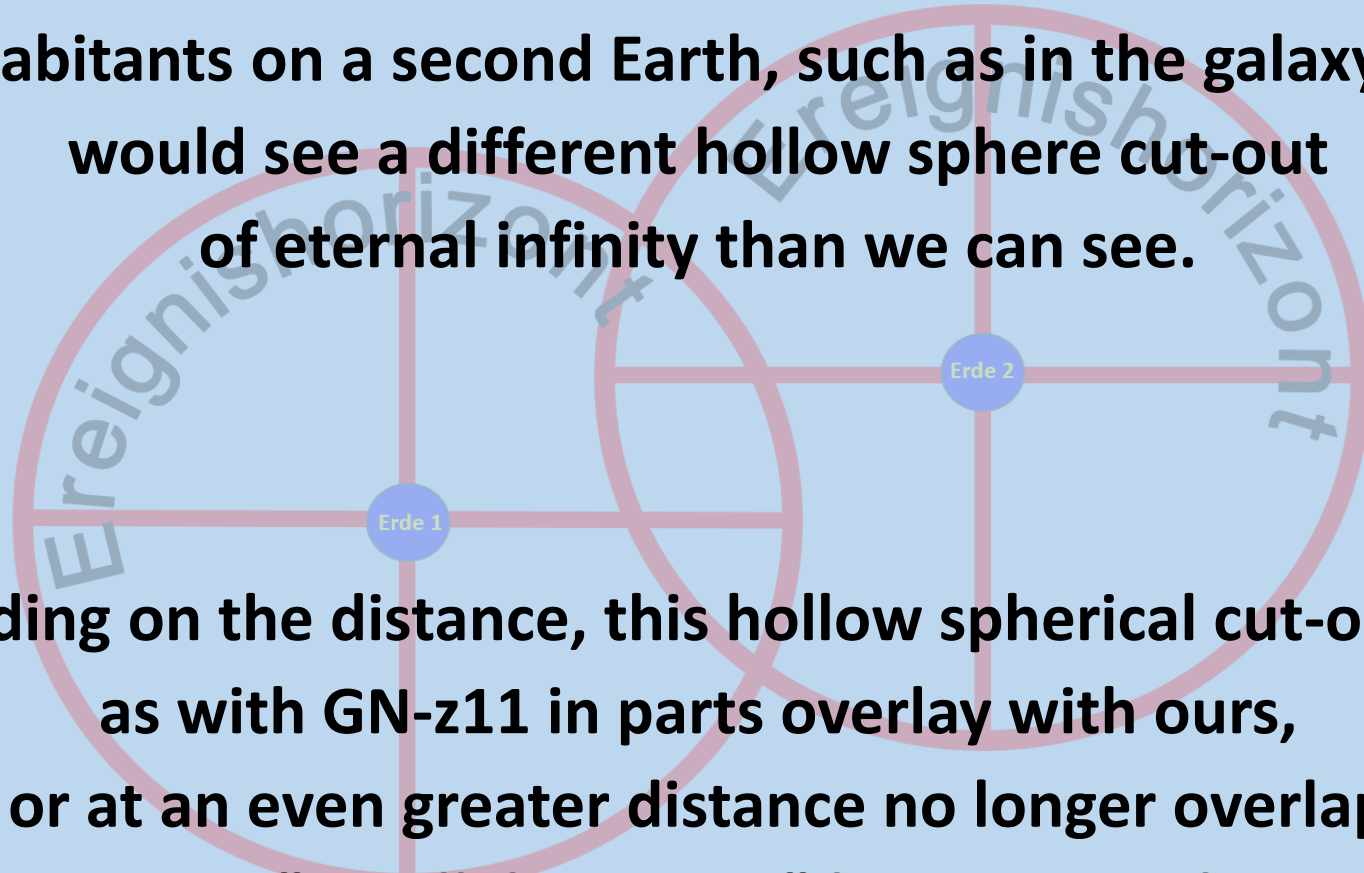
This also applies to any residents in GN-z11.
Even from there you can't "see" any further
than to the background radiation,

and what you can see is a different hollow spherical cut-out



No Parallel Universe

The inhabitants on a second Earth, such as in the galaxy GN-z11 would see a different hollow sphere cut-out of eternal infinity than we can see.



Depending on the distance, this hollow spherical cut-out could as with GN-z11 in parts overlay with ours, or at an even greater distance no longer overlap

However, it is not a "parallel universe" but just another section of the
Eternal Infinity

Hollow spheres

Depending on the location,
the "universe" one would
see is a different hollow
sphere section of the
Eternal Infinity

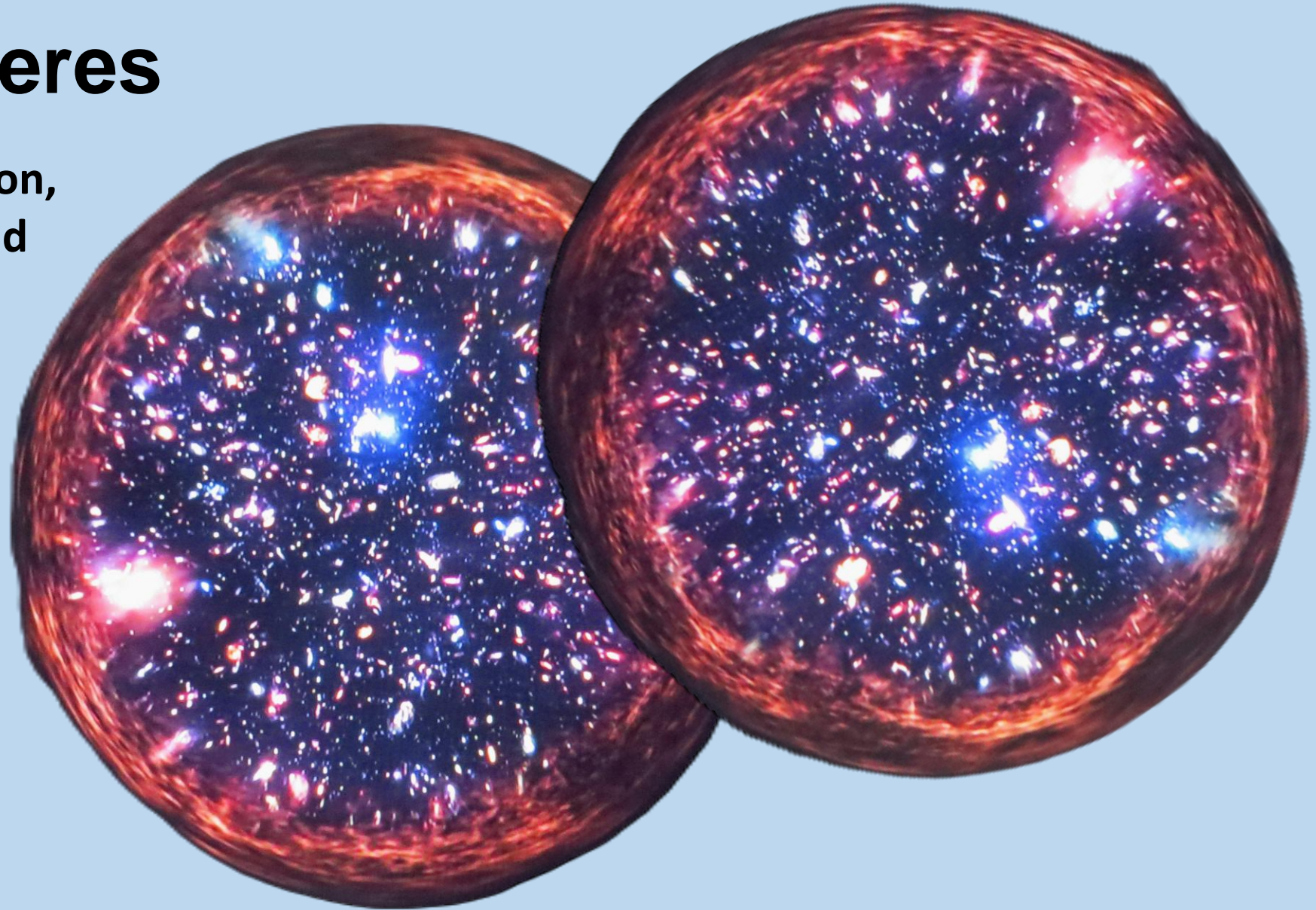
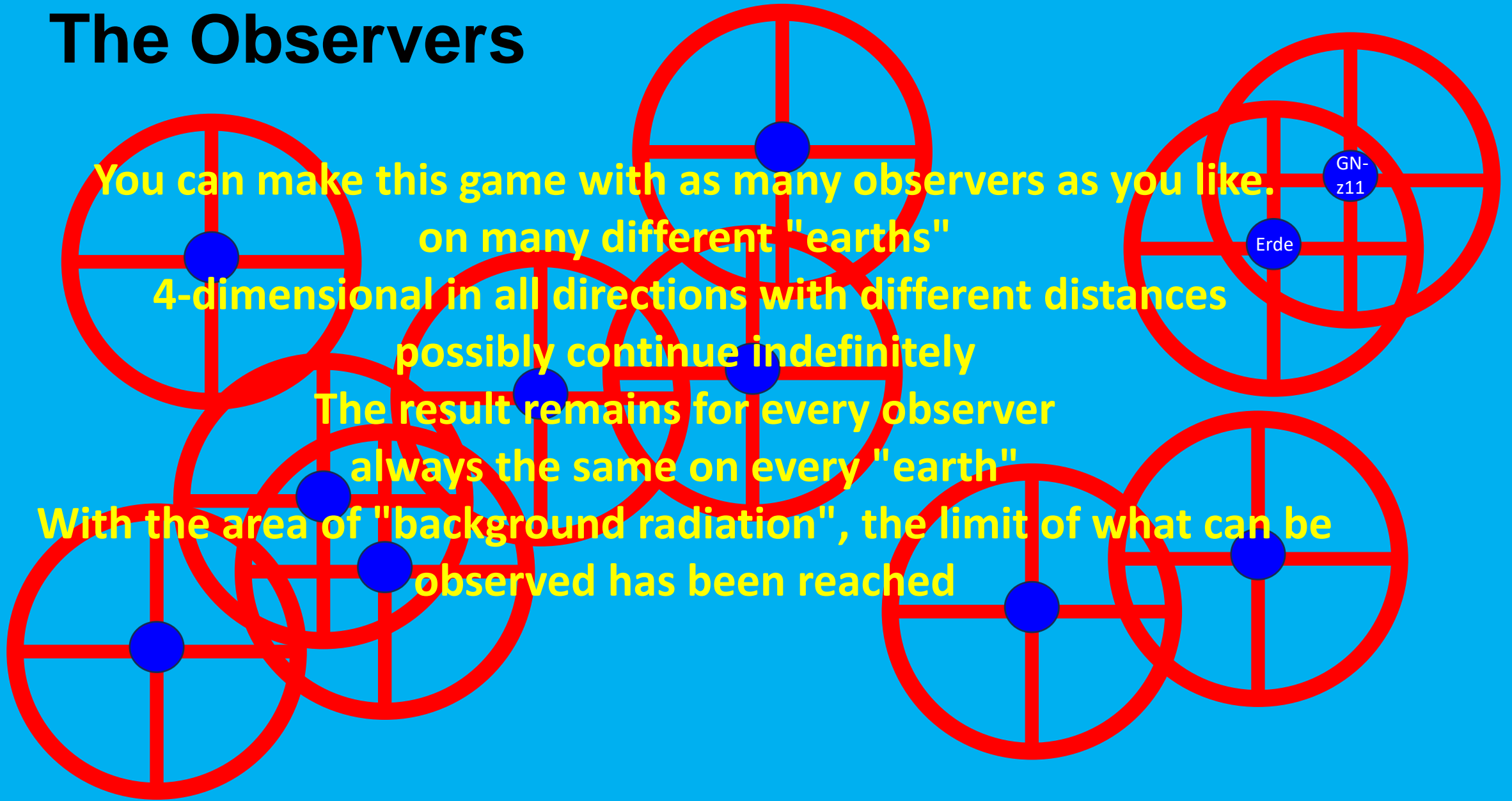


Bild- / Graphikquelle: Aufzeichnung ZDFinfo Dezember 2023 Dr. Matt O'Dowd Astrophysiker

The Observers

You can make this game with as many observers as you like.
on many different "earths"
4-dimensional in all directions with different distances
possibly continue indefinitely
The result remains for every observer
always the same on every "earth"
With the area of "background radiation", the limit of what can be
observed has been reached



Limit of View

Even if we look into an eternal infinity with our telescopes, the hollow sphere section that we "manage" ends in the area of the background radiation.

But here only our "field of vision" ends, like on the horizon on the high seas, only not 2-dimensional, but 3- or even 4-dimensional!

With our current instruments, we cannot "see" into an even greater distance, nor into a more distant past

But that doesn't mean that it doesn't go on "behind" or that there is nothing "behind" anymore.

The FBS Constant - it goes black

**At some point, observability will finally come to an end
in any direction**

**Not because there is nothing left,
or something moves away very quickly**

**But because nothing reaches us from there
due to the FBS Constant,
what else we could measure or receive**

Fog - Brain capacity

As is well known, a fog does not end at the respective visibility !
Thus, the space filled with galaxies does not end in the area of the background radiation

The Eternal Infinity goes on indefinitely

A border that restricts space and time is not at all imaginable!
The question would always remain, "What comes next?"

Eternity and Infinity are also unimaginable to us,
but that is only a problem of our not infinitely large brain

Creation myths

**Since our brain cannot imagine an eternal infinity,
one is of the opinion that there must have been a beginning
somewhere and that there is also an end**

**This has given rise to a wide variety of creation stories and
creation myths around the globe**

**A modern variant of these creation myths is the Big Bang
theory in connection with the inflation theory etc.**

The FBS Constant and CCC

**Due to anomalies in the background radiation,
the physicist and Nobel Laureate (2020 for Physics)**

Sir Roger Penrose

**confront Big Bang theory in 2010 with the theory of
Conformal Cyclic Cosmology (CCC)**

**in the case of the simplified,
in an eternal space-time structure again and again
new universes arise, e.g. through the collision
of supermassive black holes**

Thinking too big?

The Eternal Space-Time Structure (CCC)

by Sir Roger Penrose

is quite plausible;

but new universes created by the collision
of supermassive black holes ?

? Does it necessarily have to be new universes?

Isn't that easy

just one size too big ?

One size smaller is also possible

Is there in the structure of the voids (almost empty spaces)
and the filaments
("Thread-like" collection of galaxies in the universe)
a cyclical interplay ,
an eternal cycle of emergence and decay
between galaxies and black holes
not much more obvious ?

? Multiverses ?

**In an eternal space-time structure
as postulated by Sir Roger Penrose
there is no need for multiverses**

A possibly endless "nebula" of galaxies will do the trick

But for that we would have to overcome thinking in spheres

Thinking in Spheres

With spatially and temporally limited universes / multiverses, one still thinks in spheres, as before Copernicus, only that "our outermost sphere" in the case of our universe has now grown to a much larger diameter (28 uop) thanks to the infrared and radio telescopes

But we have not yet overcome thinking in spheres

Well;

in a boundless Eternal Infinity we feel uncomfortable and somewhat lonely and lost and not as secure and homely as in a sphere;?

Thinking in terms of spheres – only a need of search for security?

Overcoming the limits of the FBS Constant

**But if, like Copernicus,
we want to overcome thinking in spheres,
and our telescopes because of the Hubble or FBS Constant
are useless,
the only way left is to find the way
on the basis of known laws of nature,
to penetrate this "border" just like Copernicus
purely mentally**

The limited sphere moves with

If one searches for the center
of the fourth-dimensional
Eternal Infinity,
then it doesn't matter where
you are.

If you move, the "manageable
sphere" and "center" move
with you



Bild- / Graphikquelle: Aufzeichnung ZDFinfo Dezember 2023 Dr. Matt O'Dowd Astrophysiker

Bernhard Schäpermeier 2024; Fi 11 91746 Wb; FBS-WB-FI-11@outlook.de

Raging center point

**It doesn't matter at all
that the earth revolves around the sun,
that our solar system orbits our galaxy
and together with it
races through the "eternal infinity"
at over 1.3 million km/h,
the center moves (rests) with it**

Our Center

The Earth

-

**The center is always each observer for himself
no matter if plant, animal or human or alien on a second earth,**

for humanity, the earth is thus the center

**There is any other focal point for us
in the "fog" / in the "sphere" of the part of the four-dimensional
Eternal Infinity that is "manageable" for us**

**And only on the basis of natural laws
we can infer everything else (even outside our sphere)**

Overcoming Thinking of Spheres

To do this, we have to look at the 3 components of nature again

The laws of nature, in conjunction with
matter and energy as well as the **4 dimensions of space-time** as an
Almighty 3 Unity

and because of the ∞^∞ many infinities,
the whole is almost divinely more than the sum of its recognizable parts

As is well known, human beings are an image of
the ∞^∞ many infinities born through evolution
even more than the sum of its atoms or molecules

The time factor is the essence of this omnipotence

? Almost divine Omnipotence ?

**Not quite - almighty not in the sense of everything now and immediately
and contrary to religious views,
one can ask for nothing of this omnipotence either,
one only can explore them and fathom their rules,
to which, broken down to earthly conditions,
e.g. with regard to the carrying capacity of the planetary ecosystem
or global warming, one should stick to it**

Natural laws are neither negotiable nor justiciable

Negotiable / Justiciable

Natural laws are neither negotiable nor justiciable

**With regard to the laws of nature,
one cannot negotiate anything or negotiate a deal with nature
and one cannot sue for supposed "rights" against nature,
not even because of the much-cited "human rights"**

**A legal claim, no matter why,
is completely alien to the laws of nature**

Duties

**Especially for "higher" living beings who also want to live,
the laws of nature know only duties, but no rights**

Duties:

**duty to breathe,
duty to drink,
duty to eat,
duty to defecate,
duty to find a safe place to sleep,
duty to take care of one's own health,
duty to avoid dangers (prudence / caution)
duty to live prosperously together with conspecifics according to the
motto of the Ten Commandments, "Thou shalt not...",
etc.**

Moral

A behaviour, which endangers the livelihoods of life or from other living beings or even those of one's own species or even just endangers a prosperous coexistence, endangers, according to the laws of nature, the big picture in the short, medium or long term

Moral principles and rules are thus also can be derived from the laws of nature

Neither gods nor spirits are needed for this either

Mercy

**The only stupid thing is that mercifully with a behavior
that doesn't follow the rules
and thus endangers the livelihoods of others,
the laws of nature with corresponding
counter-reactions do not immediately hit the polluter**

Visitation

But here, too, the age-old insight applies:

The laws of nature are

**"to afflict the iniquities of the fathers
to the third and fourth generation ...",
and possibly much, much further**

**The overtaking of the Earth's ecosystem
due to far too many "footprints" (over 8 billion)
and climate change are the best proof of this**

Disposal is the big problem, not supply

Eco-Romanitker / Sozialutopisten

There are supposedly scientific calculations, according to which planet Earth as well can supply over 10 billion inhabitants

However, this completely overlooks the fact that it already had been overtaxed with the disposal of CO₂ around 1850 at the beginning of the Industrial Revolution were Earth just have had around 1.5 billion inhabitants

Already from then, the CO₂ content of the atmosphere has increased, a disposal of which the ecosystem of the planet has been overtaxed since then

Respect for ecosystem and human dignity

It is also downright fatal that even the legal system of the FRG with regard to respect for human dignity and ecological issues is bridled from the tail

You don't have to go far until the rights granted by the constitution are no longer of much use to you (partly even within the EU)

It is easy, but cynical, to confer rights and supposed human rights ("here you have a right and now give it a rest"), which are completely useless in an emergency

In order of justice to the performance of an ecosystem or to human dignity, every government had to define and commit itself with duties and all natural and legal persons to, but they should not create useless rights

Supposed legal claims only spoil the character, but do not solve a single human or ecological problem

Back to Ecology

**With that we end up
in addition to moral duties now back in the field of
Ecology**

**In other words, in the field of a science,
which, includes physics, chemistry, geology, biology, evolution, etc.
and even astrophysics**

Ecology is the doctrine of nature's Almighty 3-Unity

**All that could happen within the framework of this Almighty 3-Unity
will somehow and somewhere happen in Eternal Infinity
and at some time, in a similar way, possibly several times
(e.g. origin of life)**

The Time Factor

As I said,

the time factor is the essence of this omnipotence

**On a small or large scale, under exact the same external conditions,
up to the level of the
quarks, leptons, gauge bosons and Higgs particles,
always and everywhere in Eternal Infinity
exact the same thing will happen in a similar way,
but it never will be the same**

Infinitities

**Due to the ∞^∞ many infinities and possible variations
of the Almighty 3-Unity, even against the backdrop of eternity
it is infinitely high infinitely improbable,
that actual somewhere and at some time
exact the same thing will happen again
(No doppelgangers, that's science fiction)**

**The ∞^∞ many infinities are the decisive factors
But something similar can also arise under similar conditions,
what evolution on Earth already has proven
In Australia's ecosystem, the kangaroos correspond to our deer**

Fantasias

Not only because of the ∞ many infinities,
there are Big Bang theory and countless others
theories, myths and fantasies about the universe
and its supposed
"Origin"

Except for the Nobel Prize winner Sir Roger Penrose
hardly anyone seems to believe in the possibility of a
"Eternal Infinity".

and this despite fact that it has been said in the church since time immemorial:
"From eternity to eternity – Amen"

Eternal-Infinity

**Even religious teachings do not lack a core of knowledge,
which is based on natural laws**

**! Eternity does not pass away!
What passes is only our lifespan**

**! Infinity does not expand
nor it is contracting!**

**Every movement in space also takes time,
but time (eternity) does not pass and does not become less**

No violation of the rules

Against the background that eternity does not pass and infinity cannot expand further, with regard to the Big Bang, with inflation theory and with space expanding far above the speed of light,

one remains as an ecologist with the succinct statement

**Nature doesn't do anything so crazy
because it doesn't break its own rules**

No Science

Just because, for example on basis of the theory of relativity can pack the Big Bang and inflation theory into complex mathematical and physical formulas, this is far from becoming a science

"It's not enough to make up stories and put them into complex mathematical formulas, to make science out of it"

analogous quotation Sabine Hossenfelder 3 Sat Scobel 04.04.2024

„The simplest is usually also the most plausible “

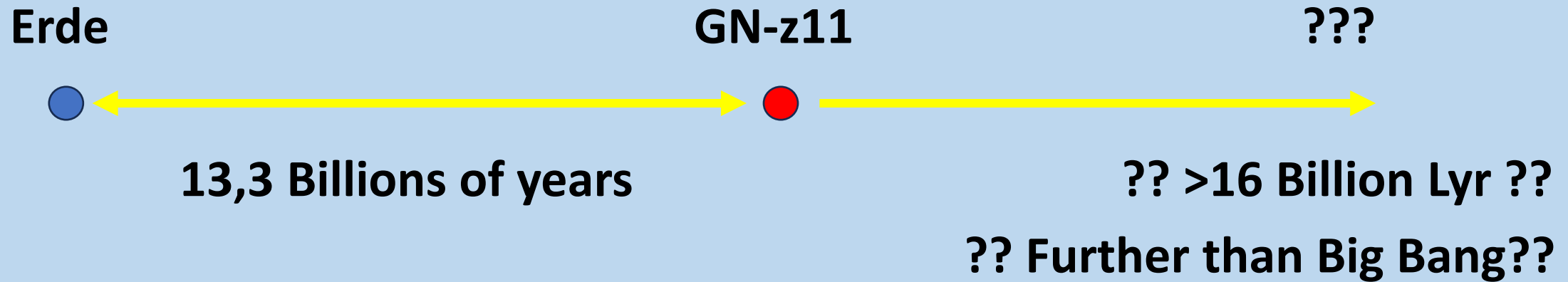
analogous quotation: Sabine Hossenfelder; Harald Lesch; Gert Scobel and several others

? An Error ?

The theory of the Big Bang goes back to the priest Georges Edouard Lemaître (17.07.1894 – 20.06.1966).

On basis of the redshift, observed by Edwin Powell Hubble (20.11.1889 – 28.09.1953) at Cepheids (interpreted as the Doppler effect of an expanding universe) and the associated distance measurements, Lemaître recalculated the whole thing and came to conclusion that everything must have been concentrated on one point about 13.7 billion years ago

Galaxy GN-z11 - where is it today?



Since then, GN-z11 during this time continued to fly and was no longer at the place / in the distance where we still see them today

How many billions of light years GN-z11 today is actually away from us

Should one not had to calculate today's position first,
before calculating back to a supposed Big Bang?

Albert Einstein

**Lemaître initially failed with his considerations also with Albert Einstein,
who is said to have said to him:**

**„Your calculations are correct, but your understanding of physics is
abhorrent “**

**Unfortunately, Albert Einstein later also succumbed to the fascination of
science fiction with his further developed theory of relativity and no
longer contradicted the Big Bang theory**

**„Just because you can pack an imaginary theory into complex
mathematics does not make it a science because of mathematics“
and from a theory not yet a fact**

supplemented analogous quotation Sabine Hossenfelder 3 Sat Scobel 04.04.2024

$$e = m \times c^2$$

**The Big Bang theory in connection with the inflation theory
is not just pure theory, (not really provable)
but pure science fiction – the wish is the father of the thought**

$$e = m \times c^2$$

may well be correct as part of the theory of relativity.

**But the thing about the different speed of time
is probably just a brilliant Swabian prank by Albert Einstein**

**! As we have already seen
eternity does not pass away and is also not measurable !**

Constant change

! Eternity does not pass and is not measurable !

**We only have constant change in space and time
and this is one of the few constants in the "eternal infinity"**

Everything is constantly in motion

**and every movement in space also takes time,
but time (eternity) does not become less or shorter**

Time does not pass; only our lifespan passes

Clock



As we have already seen,
rulers and clocks only form
man-made space and time intervals
with which we make our environment
comprehensible and manageable



In our present time, clocks are nothing more and nothing less than
pacesetters and modern slave drivers to synchronize us miserable creatures
into today's state and economic systems

! But watches definitely don't measure time / eternity!

Time travel – pure wishful thinking

Atomic clocks are also a "mechanical" system at the atomic level, which can be disturbed by external influences, so that different displays can occur, e.g. due to acceleration processes or different gravity

Under the same external conditions within or outside the part of the ecological system of eternal infinity that is manageable for us, even with movement nowhere time "passes" faster or slower and this also applies beyond the "background noise"

Causes of background noise

**Matter certainly does not move inside and outside the "event horizon"
at almost the speed of light or faster,
and it does not pass anywhere faster or slower**

Only the desire for time travel is the father of the thought

**Under the same external circumstances
every process and every movement
takes up its own space and time individually
no matter where this process takes place**

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Causes of background noise

Background noise has a variety of causes
and is based, at least in part, on an actual Doppler effect,

(but this is only one of several possible causes)

where objects from the "blue" and "green" regions
move towards or away from us at different but "normal" cosmic speeds
than those from the "yellow" or "red" regions

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Causes of background noise

The small intensity fluctuations do not necessarily mean that there must be differences in the radiation source or the distribution of matter and energy in space

(Voids / filaments - may be - but does not have to apply in individual cases)

Due to countless gravitational influences, such as the lensing effect of black holes, gravity deflection can also lead to such intensity fluctuations, i.e. to "background noise", over a distance of billions of light years

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Causes of background noise

**The slight variations in intensity
do not necessarily mean that there are regions**

**with various activities in the formation of stars
or with different density of stars**

(may be - but does not have to apply in individual cases)

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Measure of distribution density

“Background noise” can have many causes, but it doesn't mean that there is a limit somewhere, nor that something is moving away from us at almost the speed of light, nor that it can't go any further somewhere and it's certainly not an echo at all

? But what is it then??

**It is a measure of the density
with which matter and energy are distributed
in a flow equilibrium in the "galaxy nebula" of eternal infinity**

(Hintergrundbild: NASA Raumsonde WMAP Mission 2001-2010)

Consolidated theories (assumptions)

With the background noise as an echo of the Big Bang, the Big Bang **theory**, together with all the necessary additional **theories**, such as the inflation **theory** or the additionally **theories** and fantasies about "dark energies" or "dark matter", meanwhile quite solidified, although not everything always fits together

Quote ZDFinfo 2023 Dr. Philip Plait: „*Your brain jumps out of your skull and jumps around screaming- ...* „



Dr. Philip Plait
Astronom

Lack of evidence

**Although all these fantasies
have the term "theory" in their name,
and cannot really be scientifically proven,
in the event of arising inconsistencies,
as the following examples show,
even well-known scientists and science journalists,
such as Prof. Dr. Harald Lesch or Gert Scobel,
dare only encoded or very reserved to express doubts about it,
others react almost with panic**

Citations Prof. Dr. Harald Lesch

**"To the extent that a theory requires further additional assumptions
to support it,**

**this gives rise to corresponding doubts"
(analogous quotation Prof. Harald Lesch
ZDF Terra X 31.10.2021 19:30 bis 20:15)**

**"The simplest explanation is the most accurate"
(analogous quotation Prof. Harald Lesch
ZDF Terra X 31.10.2021 19:30 bis 20:15)**

Inconsistencies

According to the Astronomer Susanne Hüttenmeister (3 Sat Scobel, 09.11.2023)

James Webb Telescope enables a look into the past

up to about 400 million years after the Big Bang (age 13.3 billion years)

**With a wavelength shift into the infrared range,
there fully developed (old) galaxies (GN-z11) have already been discovered**

Heavy elements have also been discovered by their spectral lines

**According to the time necessary for the appropriate structure formation, neither of
these should exist there at all only 400 million years after the Big Bang**

**Because that doesn't fit,
new fantasies promptly shoot into the weeds to make it fit again**

Bild: „James-Webb NIRCam NASA“ deep field Aufnahme

The Prophecy

With an even more powerful infrared telescope than the James-Webb and possibly out of the moon's shadow, or with two James-Webb telescopes, interconnected from the opposite sides of its Earth orbit, we will one day past the supposed Big Bang, discover ancient galaxies with Black Howls and heavy elements even at distance of well over 14 billion light years in eternal infinity, much older than previously thought possible

GN-z11

? Directions?

Only 400 million years after the Big Bang (13.3 billion years of age)

**But James Webb Telescope only looked in one direction
but what about in the opposite direction
or in all other directions?**

**Does one discover there at a distance
of 13.3 billion light years exactly the same?
Then that would probably be 26.6 billion light years
apart from each other**

? 33 times the speed of light?

Does one discover in all directions at a distance of 13.3 billion light years exactly the same?

Expansion from zero to a diameter of 26.6 billion light years in just 400 million years, this corresponds to more than 33 times the speed of light and the discovered heavy elements just had to fly with

Quote ZDFinfo 2023 Dr. Philip Plait:

„Your brain jumps out of your skull and jumps around screaming- ... „



Gert Scobels Invent

**Heavy elements are only formed during stellar explosions
in the course of supernovae**

**At only 400 million years after the Big Bang, however,
the time required for a corresponding stellar evolution
was far too short**

**which, according to Gert Scobel (3 Sat Scobel, 09.11.2023),
probably makes it necessary**

to rethink the whole thing

(Big Bang theory, etc. along with alternatives)

Ungereimtheiten

“At this point your brain might jump out of your skull and run around screaming - I know that – I'm an astronomer – it overwhelms my imagination – it's really hard to comprehend”

**Other
astronomers
react to
inconsistencies
in a completely
different way**

„Jetzt hüpfst einem doch glatt das Gehirn aus dem Schädel und rennt schreiend herum – ich kenne das - ich bin Astronom - das überfordert meine Fantasie – es ist wirklich schwer zu begreifen“

Dr. Philip Plait
Astronom

Source: Recording ZDFinfo Dezember 2023

09/01/2024

The theory of the FBS Constant

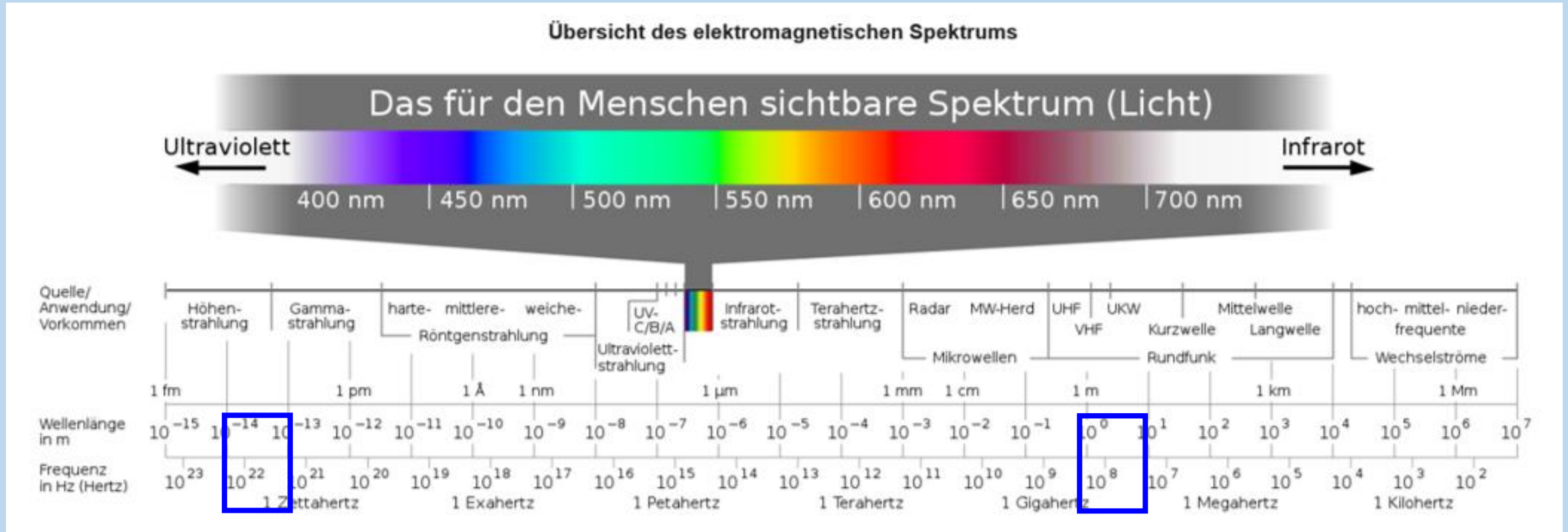
On an equal footing with these theories about the "universe",
some of which are very imaginative (science fiction),
I add according to my formula

$$WL-ML \text{ m x } 10^{\pm X} = WL-PO \text{ m x } 10^{(-X + Z)} \text{ of FBS-Constante „Z“,}$$

as well as with the considerations on **Eternal Infinity**
and an associated **Almighty 3 Unity**, consisting of
Natural Laws, of **4 Dimensions of Space-Time**
and of **the unity of matter, gravity, energy and radiation**,
from an ecologist's point of view,
another very simple and generally understandable theory

Hubble-Constant - FBS-Constant

The calculation results are the same,
but the explanation regarding the cause is different



Scattering- / Tsunami Effekt instead of Doppler Effekt

Essential parameters for the FBS Constant

- WL = Wavelength spectrum from $m \times 10^{-15/-13}$ until ca. $m \times 10^{-1/+1}$
- uos = Unit of space within which the wavelength increases by a power of ten and the frequency / energy density decreases by a power of ten
- S = 14 uos = Distance from Earth to the source of the background radiation
- PO = Place of origin of electromagnetic radiation
- ML = Measuring instrument location (Radio, Infrarot, Light Teleskop, etc.)
- D = Distance between PO and ML in uos
- Z = D uos / 1 uos **Z** = Powers of ten, by which the wavelength is reduced

Since in terms of background radiation D equals S 14 uos,

$$\text{results Z as } \frac{14 \text{ uos}}{1 \text{ uos}} = 14$$

The FBS Constant - Further Explanation

The wavelength at the **measurement site** is thus obtained by adding the value "Z" to the power of ten of the wavelength at the **point of origin**

$$\pm X + Z$$

$$1\text{m} \times 10^{(-15+14)} = 1\text{m} \times 10^{-1} = 0,1\text{m} \quad (1 \text{ Dezimeter})$$

$$1\text{m} \times 10^{(-13+14)} = 1\text{m} \times 10^1 = 10,0\text{m} \quad (10 \text{ Meter})$$

Conversely, the wavelength at the source of the radiation is obtained by subtracting the value "Z" from the wavelength at the measurement site

$$\pm X - Z$$

If you can determine "Z" e.g. by the redshift

The FBS Constant - Example Calculation

Distance to the measuring point / receiver = 7 uos

e.g. wavelength at the point of origin = 10^{-12}

7 uos / 1 uos = 7

Wavelength at the measurement site = $10^{(-12+7)} = 10^{-5}$

The result corresponds to long-wave infrared radiation

The FBS Constant - Source / Origin

**A wavelength shift of -14 orders of a power of ten
for received micro- ($m \times 10^{-1}$) and radio waves ($m \times 10^{+1}$)
means that the wavelength of the background radiation is originally
 $m \times 10^{-15}$ bis $m \times 10^{-13}$**

**and it comes from galaxies with forming or exploding
stars and black holes, and thus comes from an environment that
looks similar to here in the "vicinity" of our galaxy,
only with the difference that all this already existed there at the time
of the supposed Big Bang.**

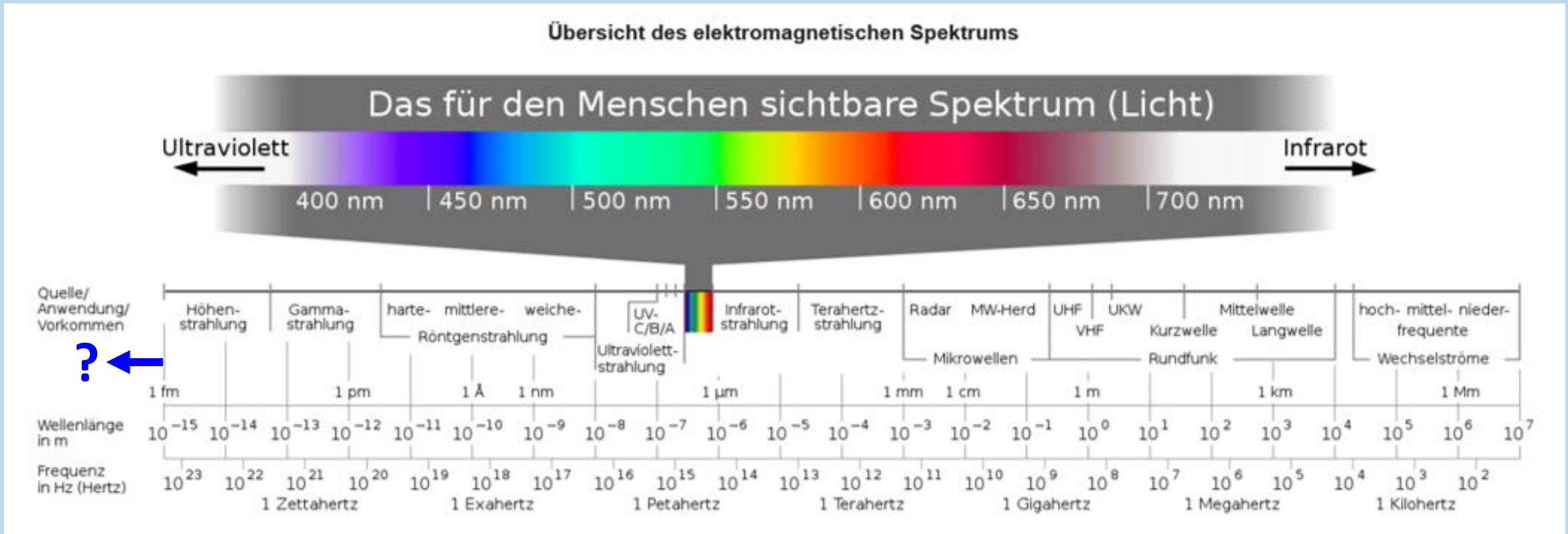
The FBS Constant - Detection Limit

If it looks in the range of background radiation
similar to what we have in the surroundings of our Galaxy,
then probably also behind
it still goes on endlessly in the same way,
only we can't "see" it,
because according to the formula
 $WL \text{ at ML} = WL \text{ PO in m} \times 10^{(-X+Z)}$
(Tsumami-Effekt / Scattering-Effekt)
at the location of our radio telescopes
nothing arrives anymore,
what else these instruments could cover

The FBS Constant - Field of View

**When "looking" into eternal infinity
in the area of the background radiation,
the end of the "field of view" of our radio telescopes has been reached
They only register the familiar "noise"
If one had a radio telescope with the diameter
of the Earth's or Mars' orbit around the sun,
one could probably resolve this "noise" into further details,
but even in the long-wave range one could "see" much further;
You probably couldn't do that anyway**

The FBS Constant - 1 femtometer



Unless there were even shorter-wavelength
and more energetic radiation out there than 1 femtometer

The Prophecy - Basis of Measurement

If this is technically feasible, it would be worth a try to interconnect Hubble and James Webb telescopes from the opposite sides of their Earth orbits

With this significantly larger measurement base, with a higher detail resolution, one could possibly "look" past the supposed Big Bang, i.e. further than only 4,200 Mpc and not only to the galaxy GN-z 11 at a distance of about 4,100 Mpc

At a distance of well over 4,200 Mpc, it would be very likely that other ancient galaxies and also the spectral lines of heavy elements would be discovered in the infrared range

† Big Bang Theory †

Then there would be

the Big Bang and inflation theory

probably finally history

and one would come to the ecology of eternal infinity

Ecology of Eternal Infinity

In the following, further much older considerations

**to the "Almighty" 3-Unity,
on the ecology of the
"Eternal Infinity"**

and

the cycle of "black holes"

The FBS Constant - 1977 / 1982

**Already from 19977 till 10982 during my studies of ecology
at the Technical University of Munich - Weihenstephan,
several times I have discussed
the "Almighty" 3-Unity of Nature
with "peddling" Jehovah's Witnesses**

**From my point of view,
the differences between the different views are marginal,
from the point of view of religious representatives, regardless of
their faith, however, there are worlds in between**

? Does it make a difference?

Help yourself, then God will help you!

Help yourself, then nature will help you!

**Explore the laws of nature and their principles of action
and use it for the benefit of all and for your own good**

This brings us back to ecology

Teaching / Ecologist

What is ecology?

**The Doctrine of Natural Balance and Laws of Nature
and of an infinitely high, infinitely high, infinitely high...
 ∞^{∞} complex system**

And what does an ecologist do?

The dilemma

Such a ∞^∞ complex system can never be explored in all its details

**As an ecologist, one is forced
to generate further basis for decision-making
based on what is known by analogy**

Researching more and more details never leads to a decision

If you fall too much in love with details, you lose sight of the big picture

That's why today's planning procedures take half an eternity

Analogies

**And how and why help
analogies to continue?**

**Because a lot in the natural balance
always runs and functions
according to the same principles**

The drive – back to the energy flow

**Let's start again very small and look at the processes and functions
of our earthly natural balance**

**For a biological ecosystem to function,
there needs to be an energy differential between
a high energy level such as solar radiation and the cold of space
as a counterpart or antagonist**

**Between these opposite poles, energy flows through the ecosystem
from a high energy level to a low one, keeping everything in the
biosphere running**

Back to the potential differences

Only through potential differences between the high energy level of solar radiation and the low energy level of the cold of space, just above absolute zero, into which the Earth can radiate excess energy "consumed" in the ecosystem at a significantly lower energy level, only through these differences does a flow of energy arise, which keeps everything running

**In order for the ecology of four-dimensional infinity to work, such potential differences / antagonists are also needed
e.g. gravity versus radiation / explosions**

Circuits

**This interaction in the natural balance works
with an infinite number of interactions
in an infinite number of mutually influencing
cycles, as well as with force and counterforce**

**The symbol for this is likely to be known as
Yin and Yang**

- opposing processes / cycles are the decisive factor-

Conclusions

**As an ecologist, one can and must draw analogical conclusions
from the basis of what is known**

**The principle of YIN and YANG
is therefore not only true in the earthly realm of the natural balance**

it is just as true at the atomic level

as well as cosmic processes and scales

**and in the interaction of processes
of the most diverse orders of magnitude**

Force and Counterforce

**In the earthly natural balance it is about
around the sun's rays
and in turn about the cold of space**

**In the eternal infinity
it's about explosions and radiation
and in turn about gravity as an antagonist**

- opposing processes / cycles are the decisive factor -

Exemplary analogies

Electrons buzz around an atomic nucleus

Even a snail shell has a spiral shape

The whirlpool in the bathtub circles the drain

Clouds orbit a low-pressure area

Planets orbit the Sun

**Solar systems orbit the centers of gravity
of galaxies (black holes)**

(Hintergrundbild - Bildquelle NASA-Johnson Space Center)

Conservation law

At the atomic level, there are processes by which elements are converted into each other

Radiation is always released during such processes

! But - nothing comes from nothing!

„Mass and Energy - Law of Conservation “
neither can be multiplied nor reduced,
but only convertible into each other

$$e = m \times c^2$$

Principles of nature

For example, "heavy elements" such as uranium, which are initially formed during processes at the atomic level, are unstable and decay into lighter elements when radioactive radiation is released

? What is the point of this well-known statement?

As I said - as an ecologist you have learned,

that nature always and everywhere

works according to the same principles

Question of analogy

Without falling apart or exploding again,

- atomic nuclei cannot become infinitely large**
 - suns cannot become infinitely large**
 - galaxies cannot become infinitely large**
 - black holes cannot ????????**

Analogue circuit

If one would end the last sentence analog to the previous one with,

"... cannot become infinitely large,,

the cycle would also be closed

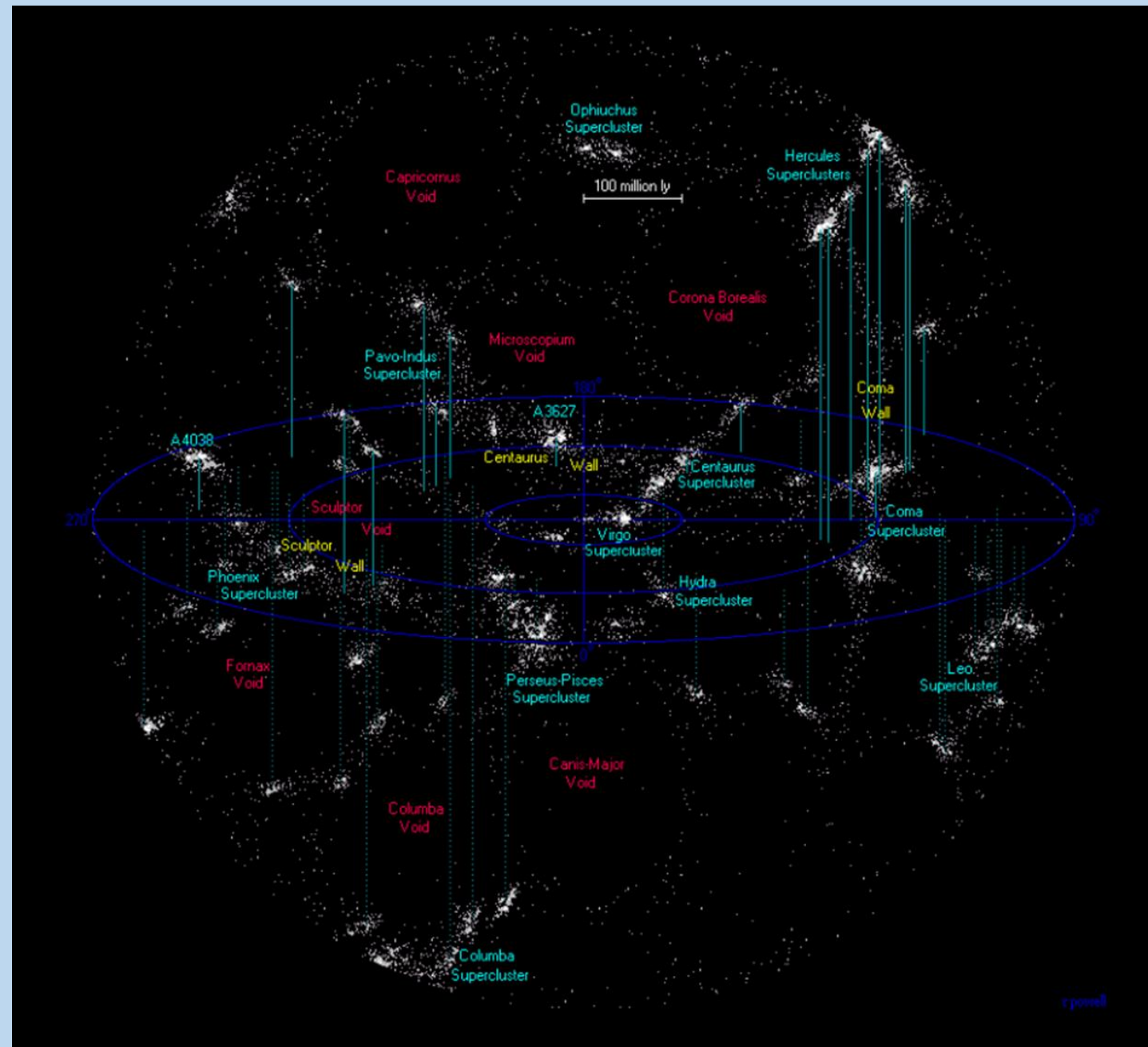
Could a black hole become "supercritical" and decay or explode like heavy atoms?

(? too many Higgs particles "in one spot"?)

Voids and Filaments

Gravity accumulates matter and energy in the filaments until it finally crashes into black holes.

If these become supercritical and explode again, the force of the explosion drives the resulting one apart, creating both new voids and new filaments



Bladder / Sponge Structure

This bubble and sponge structure made of voids and filaments doesn't look like it's the result of a single explosion.

**This requires several explosions at different times.
We as observers do not only look at great distances,
we also see states from different periods of time.**

**The further away something is, the longer its current visible state
is back in the past.**

**But this also means that such explosions may be taking place
somewhere right now, but we don't notice anything about it, because
the "info" about them will only reach us at the speed of light, possibly
only in billions of years**

Becoming and passing away

**The thing with the becoming and passing away of
Voids, filaments, galaxies and black holes
must even be like this,**

**otherwise, against the background of eternity,
there would now only be black holes;
we wouldn't exist either**

**? The only question is at what energy density / mass
will such explosions of black holes occur again
and what is created in the process?**

„Explosion residue “

? What could probably result from this?

**A hot plasmic "gas" could be formed,
which, caused by a gigantic explosion and radiation pressure,
is driven apart e.g. on the order of magnitude of galaxies or voids
and cools down and condensed into large hydrogen clouds**

Hydrogen

Hoimar von Ditfurth

"In the beginning there was hydrogen"

**For the evolution of stars and galaxies,
correctly recognized in principle**

**Except that hydrogen was not the beginning,
but only a section of eternal gigantic cycles**

Coherences

As an ecologist, you immediately ask yourself the question?

**? How do the size/mass of galaxies depend on and with
the maximum size/mass of black holes ?**

? Where does gravity set which limits ?

? And could there be a connection at all ?

Everything with everything

As an ecologist, you can only answer this question with a clear

„YES“

In nature, everything is always connected ∞ to everything else

For example, continental drift is also related to the gravity of the moon and the sun, whereby the earth's crust rises and falls and is "kneaded through".

The resulting small fissures, especially on the Mid-Atlantic Ridge,
are penetrated by mobile mineral substances,
whose enormous crystallization pressure moves the continents around

**? But what could or should such a connection look like
on much larger astronomical scales?**

? Overcritical ?

**A black hole during billions or even trillionsof years (eons)
can collect and incorporate from all possible sources,
mass and energy**

(Similar to **Conformal **C**yclic **C**osmologie of Sir Roger Penrose),
until it becomes "supercritical" at a tipping point
and exploded again with a huge gamma-ray burst
As with the collision of heavy atoms, such explosions
(analog to **CCC** of Sir Roger Penrose),
can also be triggered by collisions of black holes
which each were previously "subcritical"**

The cycle

**Hydrogen condenses again
from the resulting plasma clouds
and galaxies with stars and planets are formed again**

Closed cycle !

**? Explosions on the scale of black holes, voids and galaxies,
but not of an entire universe ?**

! Instead of beginning and end, eternal cycles !

Eternal cycles

**If the energy density becomes too high somewhere,
explosions redistribute radiation and matter into
space and time**

**until somewhere so much matter meets again that it
clumps together again with the help of gravity and
the game begins again**

Gegenspieler

**Strahlung und Explosionen verteilen Materie und Energie
in Raum und Zeit (in der "Ewigen-Unendlichkeit")**

**Die Schwerkraft sammelt das Ganze wieder ein
und sorgt somit nebenbei für den Erhalt der nötigen
Potentialunterschiede,
die das Ganze am Laufen halten**

Wie in einen Nebel mit Kondensation und Verdunstung

**Schwerkraft verdichtet Materie, wodurch Wärme entsteht bis hin zur
Zündung eines "Sternenfeuers" und der Entstehung Schwarzer Löcher**

Evaporation / Condensation

The explosions of stars and black holes are the **"distributor"**
(evaporation)

In turn, gravity in black holes
"swallows" matter and electromagnetic radiation

- Guess -

It could be possible that inside of black holes
electromagnetic radiation is **"compressed"** into matter again

- A black hole / a forming star is, in different orders of magnitude,
a **"collector"** (condensation)

Dynamic equilibrium

Between distribution / explosions (evaporation)

and collection by gravity (condensation)

exists in space and time

in the ecological system of "eternal infinity"

a certain flow equilibrium

Eternity ensures a relatively even distribution of energy and matter (e.g. also with regard to heavy elements)

Gravity

**Gravity cannot be a property of space,
(Swabian prank)**

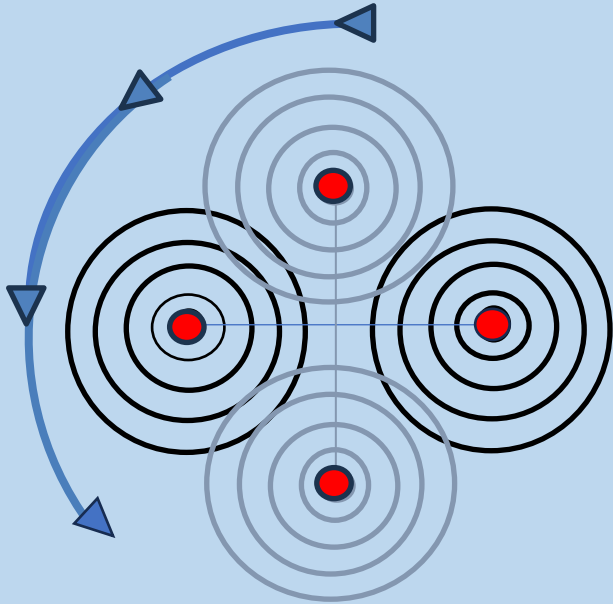
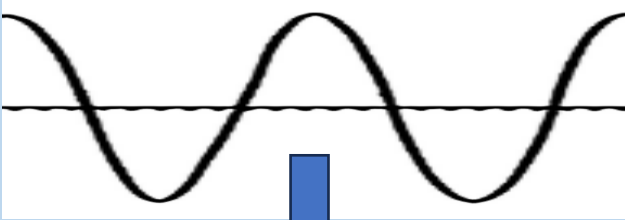
**but is actually a force that emanates from the body and its Higgs particles,
similar a magnet**

**This was proven by the reception of gravitational waves that propagate only
at the speed of light and emanate from moving bodies (black holes)**

If gravity were a property of space, such waves could not exist at all.

**Gravity would simply be there
and would not "whiz" through space as a wave at the speed of light**

„Gravity Shells“



Gravity is a force that surrounds the respective body three-dimensionally and in terms of its strength "shell-shaped"

„Shell" is only a model for the fluidly decreasing or increasing strength of gravity

Very heavy rapidly rotating black holes (red) generate corresponding gravitational waves through the effect of their rotating "gravity shells"

Gravity waves



If black holes rotating around each other (red) are at right angles to our line of sight (blue arrow), then their gravitational effect (black "gravity shells") is weaker in our direction due to the greater distance.

If they stand behind each other in the line of sight (pale "gravity shells"), one is much closer to us, which also means that the effect of its gravity in our direction is stronger.

This rotation generates gravitational fluctuations (waves) which spread in space at the speed of light

Salt on the ISS

**The fact that gravity emanates from one body
at a time was also proven on the ISS**

**In weightlessness, shaken grains of salt in a closed vessel
exerted an attractive force on each other,
so that they began to clump together again by themselves**

other order of magnitude

**The missing link for an eternal cycle of "clumping" and "dispersing"
is not a Big Bang (or several) of the order of magnitude
of an entire universe or of multiverses**

**but a cycle on the scale of galaxies and voids
as well as black holes, which become "supercritical"
and explode with a huge gamma-ray burst**

Hearing - Saying

**Years ago, from astronomers one already have heard
(reports on radio and television)
that such high-energy gamma-ray bursts from far, far away
(arrived in our country as microwave radiation).
had been observed**

Her comment on this was,

**"that we would have been grilled on earth by the radiation,
if these events had taken place at a lesser distance"**

**One or the other astronomer supposedly asked at the time,
"Who ordered that?"**

? The tipping point?

**The exciting question
in the cycle of the ecological system of eternal infinity
so what remains is
from what energy and mass density
become black holes
"supercritical"**

? Where is the tipping point?

Quote Prof. Dr. Harald Lesch

**Apart from this still open question, we now have a logical and
relatively easy to understand world view
(basic arithmetic operations are sufficient)**

"The simplest explanation is the most accurate"

(analogous quote Prof. Harald Lesch

ZDF Terra X 31.10.2021 19:30 bis 20:15)

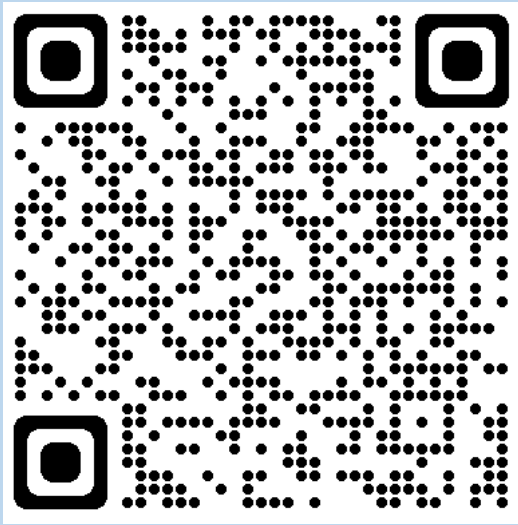
**And all this without science fiction and without mathematics that even
experts no longer understand, but also do not contradict for fear of
embarrassing themselves with this "no longer understanding"**

Thoughts are free

Even if we cannot "look out" of our hollow spherical cut-out of
"Eternal Infinity",
like Kopernikus
and with analogous considerations
we are able to think beyond that
and do so without any science fiction

Whether the thoughts above were wrong or right,
the future will tell

- (Hintergrundbild: Microsoft Bing Weltbild Von Kopernikus)

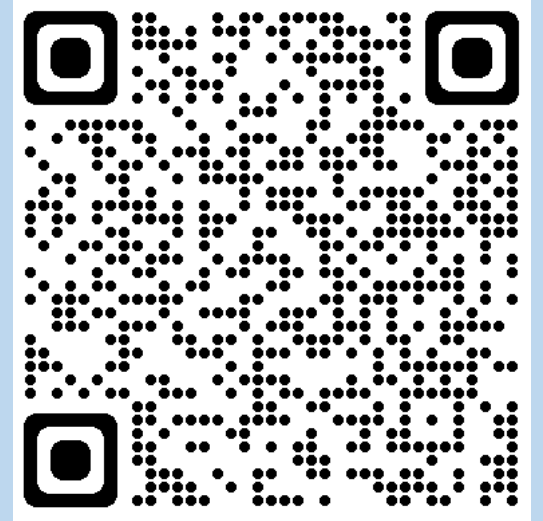


I've finished

This was, in addition to a prophecy that

<https://www.fbs-konstante.com>

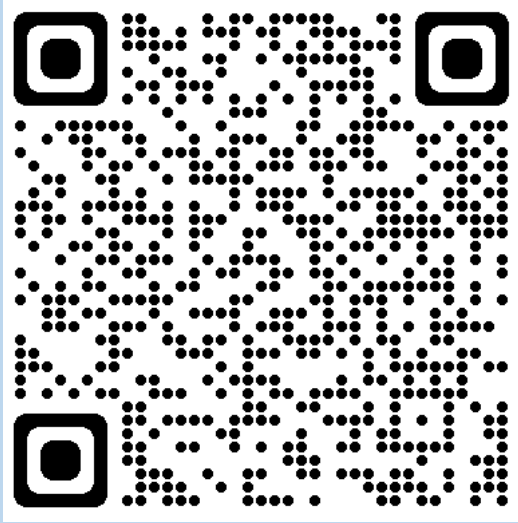
FBS-Theorie / FBS-Constant



with considerations on the ecology of "eternal infinity"

Thanks for your attention

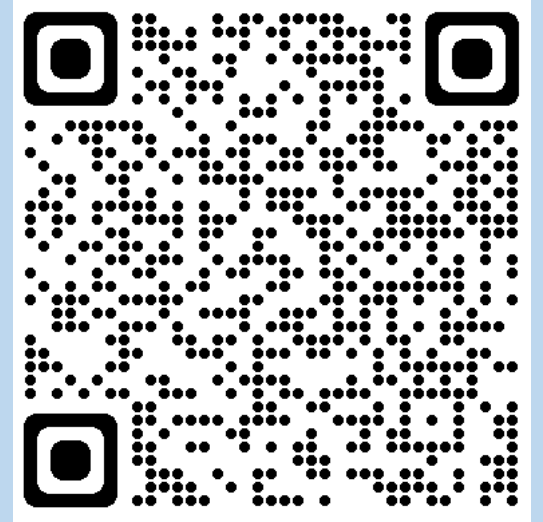
The different appearance of the slides is due to the fact that they or their content have been from different times since 2016 and were gradually added to and put together to form this "overall picture" until 2025



E-Mail-Kontakt

Impressum

(1977 - 1982) 2016 bis 2025

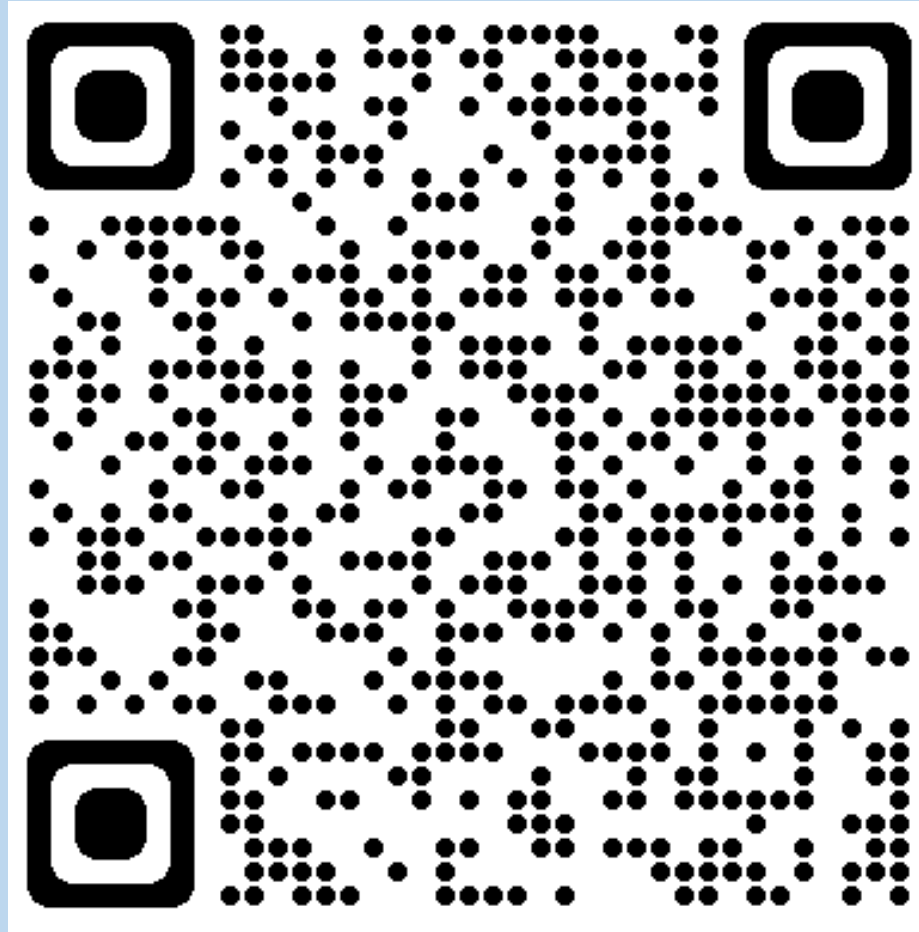


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