

# GRUPPE – OR-OM<sup>©</sup>

presents

► **Scholars Without Borders<sup>©</sup> - SWB** ◀



<http://portal.or-om.org>

**Scholars Without Borders**® **SWB** connects people, organizations and resources to help to build a world where sciences like logics, mathematics and physics can develop beyond the borders of modern limitations and amputations sciences are faced by narrow minded theories, paradigms and schools.

**Scholars Without Borders**® **SWB** is independent of governments, educational systems like universities and scientific elites, political ideologies or religious creed. Our work is guided by the common desire of our members and supporters to find new solutions to scientific problems, in a spirit of a new unlimited approach to all basics of science.

A: 'What do you mean by the concept of **SWB** ?'

B: 'The set of modern sciences like physics is an amputated body. The right arm (logics), the left arm (mathematics), the right leg (epistemology) and the left leg (physics) were detached (by eliminating relevant concepts of absoluteness and infinity). The torso creates important logical and practical problems and forces mankind to live within inhuman dungeons of limitation.'

A: 'You mean **SWB** breaks this prison camps of human mind and enables the access to deeper unlimited concepts of logics, mathematics and epistemology derived within the Absolute and Infinite Essence?'

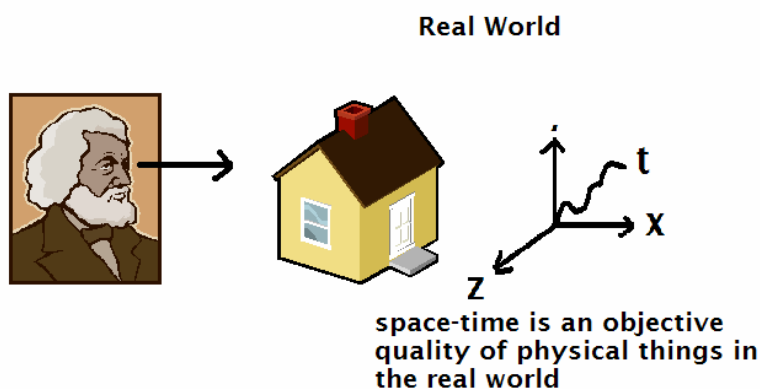
B.: 'Correct!'

Grand Fert

## The Types of Dungeons

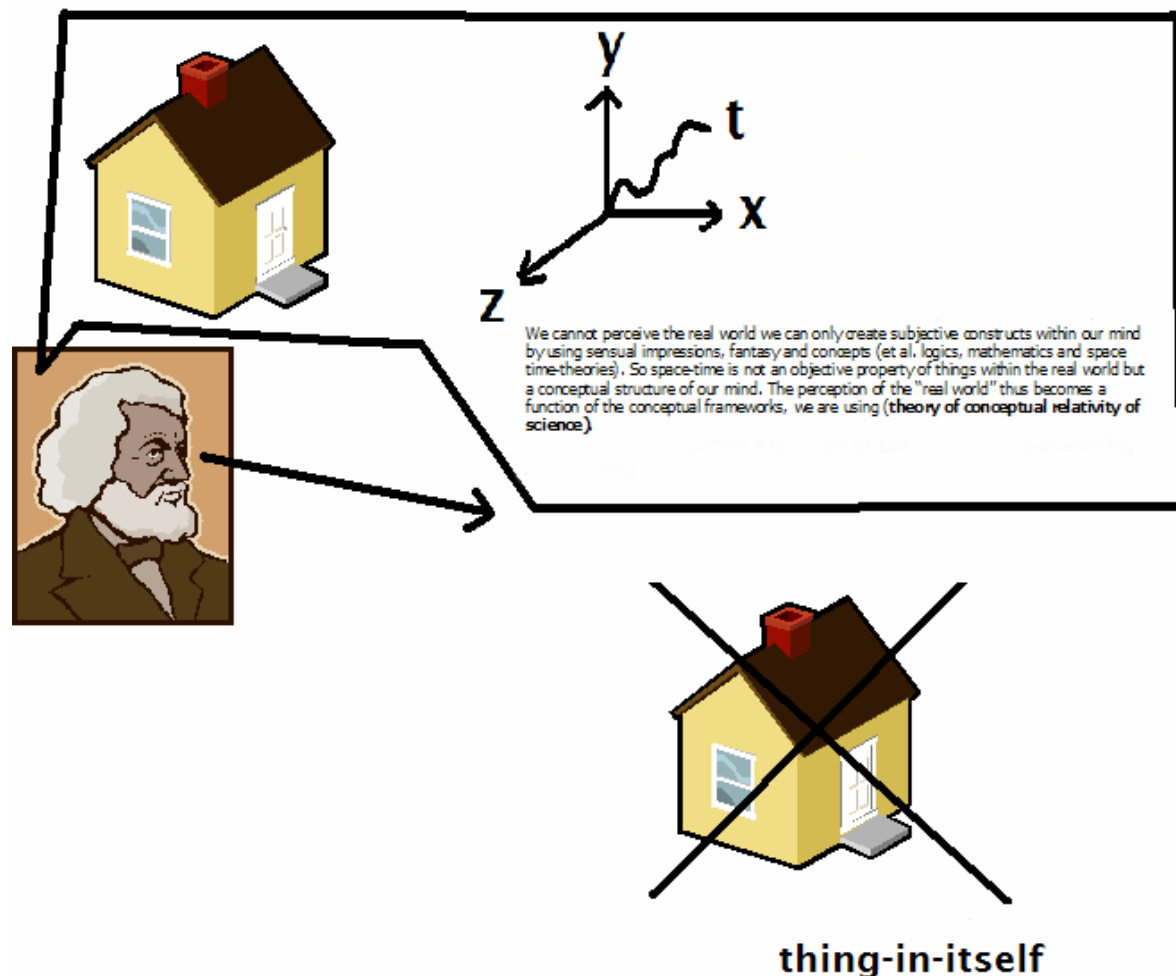
The **SWB** locates two types of prison for the human mind.

### Dungeons 1 - Naïve Realism



If we perceive the world we are confronted with real objects which are grasped by our sensual experience. We are able to compare our recognition of objects with the real objects and thus we are able to state the truth of our subjective experiences of things. Space-time is an objective quality and property of things independent of our human perception of the real world. This naïve theorem doesn't take into account epistemic basics of recognition.

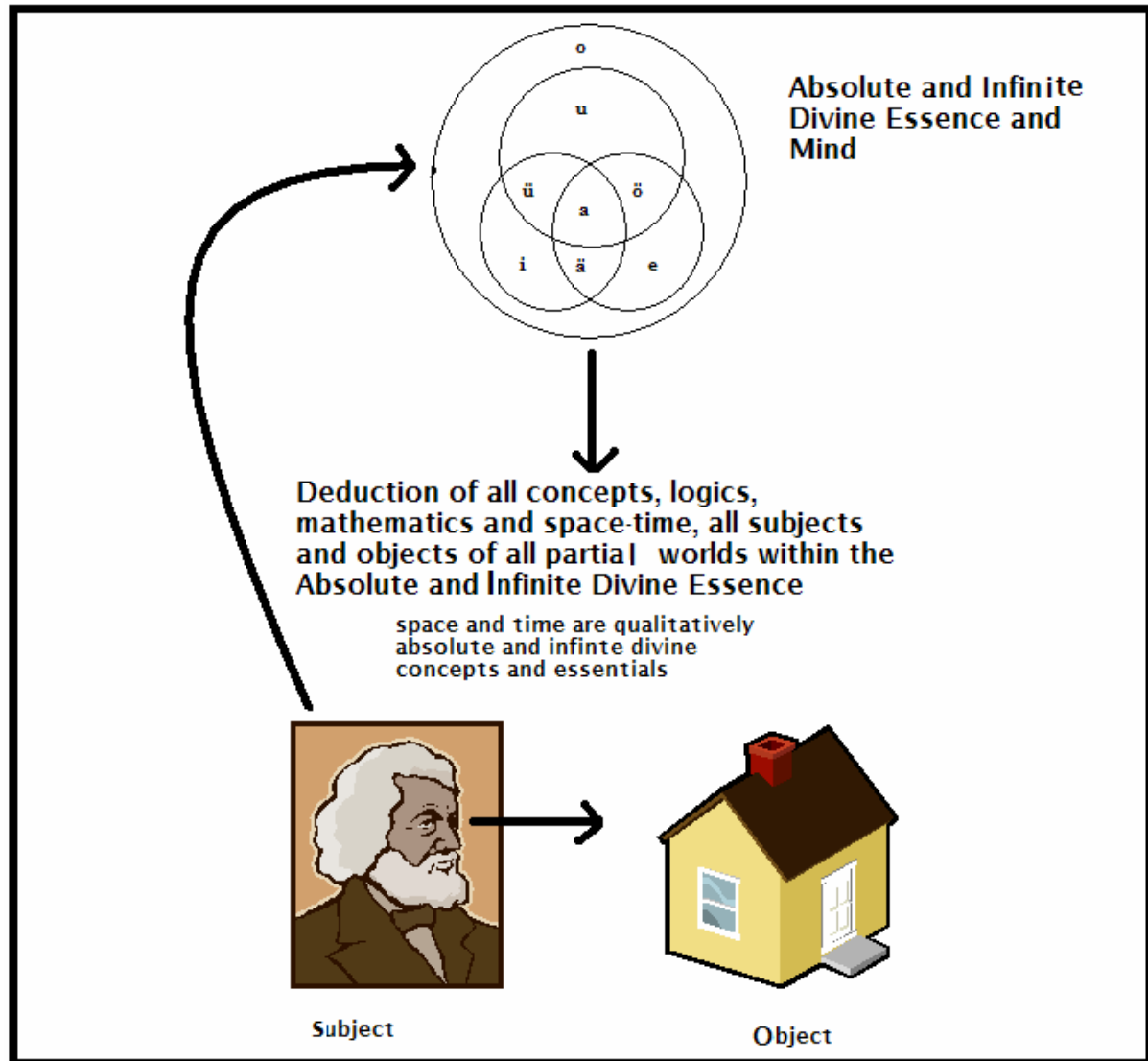
## Dungeon 2 - Critical Realism, Constructivism, Transcendental Idealism



We cannot perceive the real world we can only create subjective constructs within our mind by using sensual impressions, fantasy and concepts (et al. logics, mathematics and space-time-theories). So space-time is not an objective property of things within the real world but a conceptual structure of our mind. The perception of the 'real world' thus becomes a function of the conceptual frameworks we are using (**theory of conceptual relativity of science**). If, as **SWB** argues, modern logics, mathematics and space-time theories

figure as amputated scientific bodies, our constructions of external world should be highly limited and imperfectly deviated.

## New Solution -The Essentialistic Divinism



How can we transgress the serious implications of the **theory of conceptual relativity of science** ?

- a) Only if all subjects and objects are included within an Absolute and Infinite simple Divine Essence, we have the possibility to ask, if
- b) the human mind is basically able to recognize this Absolute and Divine Essence.

The **Essentialistic Divinism** suggests that human mind is able to find, to recognize and to identify the Absolute and Infinite Divine Essence and the conceptual framework by means of which the Infinite and Divine Mind perceives itself and all finite worlds with its own internal limits. The conceptual structure of the Divine Mind

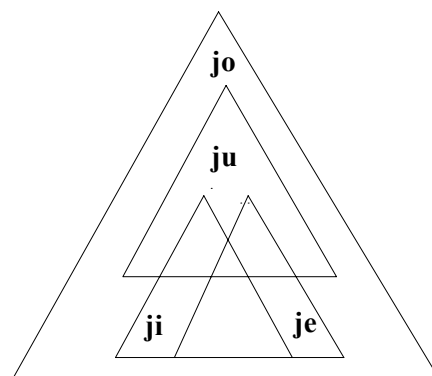
thus becomes the basic framework for all human logics, mathematics and partial sciences like physics.

The highest logical and mathematical axioms are qualitatively absolute and infinite divine concepts (categories, ideas). Within dungeon 2 (Critical Realism and Constructivism) logics and mathematics have to be based on limited, relative, subjective human concepts, fictions and constructions. Within the Essentialistic Divinism absolute, infinite, objective divine realities, concepts and ideas deliver objective and deductive basics for the perception of metaphysical and physical worlds, human subjects and minds. The former perception of the subject and the external worlds by means of the dungeons 1 and 2 within the Absolute Essence becomes adequate

a) if we are recognizing these limited perceptions in a finite mode by means of the divine concepts, and

b) if we are recognizing them in the mode how they are within the Absolute Essence.

Time and space are qualitatively absolute and infinite divine ideas and realities and the space-time theories of modern physics become highly problematic, fictional and misleading structures for the perception of nature. If time and space figure as qualitatively infinite and absolute categories of certain parts of the inner spiritual and material universes within the Absolute Essence, the theory of Big Bang claiming the punctual beginning of the material universe and simultaneously the space-time (singularity) becomes erroneous. Space-time itself is not transitory. Finite subjects and objects are not WITHIN space and time; time and space are special inner properties of finite subjects and objects. The new system of the modes of being



contains: jo=or-being, ju=ur-being, ji=eternal being and je=temporal being with all antitheses and connections.

Are we able to find the solution of a Theory of Everything? Now we possess the instruments for its foundation.

## Theory of everything

In philosophy, a **theory of everything** or **TOE** is an ultimate, all-encompassing explanation of [nature](#) or [reality](#). Adopting the term from physics, where the search for a [theory of everything](#) is ongoing, philosophers have discussed the viability of the concept and analyzed its properties and implications.

In current mainstream physics, a Theory of Everything would unify all the [fundamental interactions](#) of nature, which are usually considered to be four in number: [gravity](#), the [strong nuclear force](#), the [weak nuclear force](#), and the [electromagnetic force](#). Because the weak force can transform [elementary particles](#) from one kind into another, the TOE should yield a deep understanding of the various different kinds of particles as well as the different forces.

Modern physicians are obviously confronted with a paradox situation: On the one hand they are looking for an unifying theory, on the other hand they have in league with the logicians and mathematicians eliminated the 'infinitely large' (das unendlich Große) and the 'infinitely small' (das unendlich Kleine) from their conceptual frameworks. Thus they are not able to understand, that only an essential basic force of unity, the Absolute and Infinite (divine) Ur-force is able to deliver the basics and origins of mathematics, logics and physics. The profoundest physicians are approaching intuitively – not in an elaborated mode – to the original sources (Ur-Sources), others are lively discussing with deputies of traditional religious systems which have not reached the highest evolutionary level of religion. In a pointed mode we could hold: persons blind in one eye are discussing the question with each other in a strange, contradictorily structured dialog. The most physicians however remain within the dungeons 1 and 2 (Naïve Realism and modifications of Constructivism) or within theories of mind, which try to transform classic epistemology into naturalizing (materialistic) brain-theories.

### Basics of the TOE

The following graphics try to give outlines of the connections and relations. The Divine Essence (Or-Wesen) and Force contain two qualitatively absolute and infinite inner beings namely Spirit  $i$  and Matter  $e$  (nature).  $i$  and  $e$  are not in the relation of subordination but of contradictory besideness (Neben-Gegenheit, co-subordination). They are mutually connected and standing in subordination and connection with the Divine Essence according to the graphics.

Nature  $e$  (qualitatively infinite and absolute) beyond time and space and not beginning with the Big Bang is highly differentiated within itself according to the mathematical and logical deductions of finite units within the infinite. Here we have only to state, that the qualitatively infinite and absolute Force of Nature (Or-force) and Ur-force beyond all internal special forces and substances is differentiated according to the basic principle of contradictory polarity (Neben-Gegenheit, co-subordination). Energy (partial force)  $i_n$  has the property of ipseity (Selbheit) predominating wholeness (Ganzheit) and matter  $e_n$  (partial matter) has the property of wholeness (Ganzheit) predominating ipseity. The corresponding Ur-force remains

connected with the inner, differentiated polarities. The inner partial forces and kinds of matter can only be recognized, interpreted and understood by the complete deductive structure of Or-force, Ur-force,  $i_n$  and  $e_n$  with all relations (subordinations and co-subordinations). The Ur-force includes qualitative universality in relation to all inner partial forces and matters.

According to this basics we can deliver a new system of the higher origins of bosons and fermions. These types of forces and particles have to be deduced and derived from the upper constituent forces of nature.

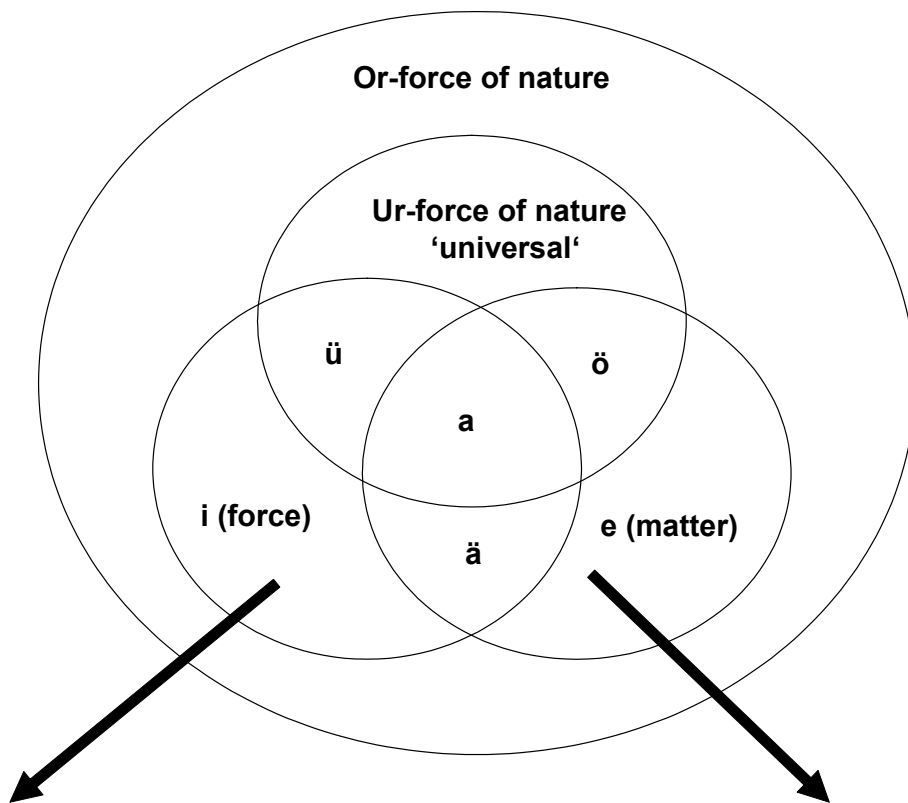
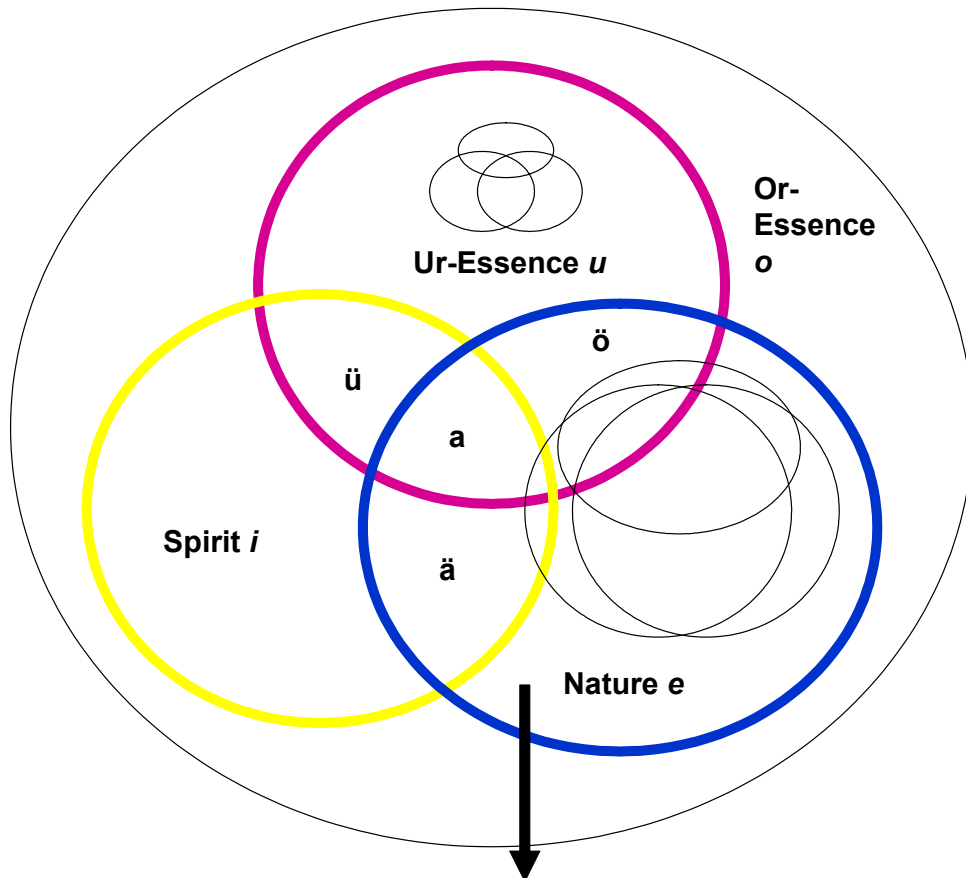
### **Gödel's Incompleteness Theorem**

A small number of scientists claim that Gödel's Incompleteness Theorem proves that any attempt to construct a TOE is bound to fail. Gödel's theorem states that any non-trivial mathematical theory that has a finite description is either inconsistent or incomplete. In his 1966 book *The Relevance of Physics*, Stanley Jaki pointed out that, because any 'theory of everything' will certainly be a consistent non-trivial mathematical theory, it must be incomplete. He claims that this dooms searches for a deterministic theory of everything.

Stephen Hawking was originally a believer in the Theory of Everything but, after considering Gödel's Theorem, concluded that one was not obtainable.

'Some people will be very disappointed if there is not an ultimate theory, that can be formulated as a finite number of principles. I used to belong to that camp, but I have changed my mind.'

Our TOE shows, that Gödel's Incompleteness Theorem loses its relevance for the axiomatic foundation of logics, mathematics and mathematical logics with the new axiomatic basis of the Essentialistic Divinism. The absolute, infinite, pure and unique Divine Essence becomes the highest ontological axiom of logics and mathematics and thus incompleteness of the axiomatic systems disappears. All former axiomatic systems and theorems become special, partially incomplete and erroneous internal sections of the new system.





The fundamental **forces** of nature are mediated by bosons  
transmitters of forces, force carriers  
particles of interaction

**Bosons**

whole number spin (spin 1)

All relevant interactions are described by the interchange of bosons with the spin 1.

- photons**= mediating the el.magnetic.force
- 8 Gluonen**= mediating strong force
- 3 weak **bosons W<sup>+</sup>, W<sup>-</sup> und Z** are the interction-particles for the weak force

Basic building blocks of matter, elementary **particles,**  
matter constituents

**Fermions**

half-integer spin (Spin-1/2 )

- Group: **Leptons**
  - massless **neutrinos** , electric charge 0;
  - Elektron, Myon und Tauon**, electric charge -1
- Group: Quarks  
Quarks exist in six flavours.

[http://en.wikipedia.org/wiki/Image:Particle\\_chart.jpg](http://en.wikipedia.org/wiki/Image:Particle_chart.jpg)

<b>BOSONS</b>			force carriers spin = 0, 1, 2, ...
<b>Unified Electroweak spin = 1</b>			<b>Strong (color) spin = 1</b>
Name	Mass GeV/c <sup>2</sup>	Electric charge	
$\gamma$ photon	0	0	$g$ gluon
$W^-$	80.39	-1	
$W^+$	80.39	+1	
$Z^0$ Z boson	91.188	0	

<b>FERMIONS</b>			matter constituents spin = 1/2, 3/2, 5/2, ...
<b>Leptons spin = 1/2</b>			<b>Quarks spin = 1/2</b>
Flavor	Mass GeV/c <sup>2</sup>	Electric charge	Flavor
$\nu_L$ lightest neutrino*	$(0-0.13)\times 10^{-9}$	0	$u$ up
$e$ electron	0.000511	-1	$d$ down
$\nu_M$ middle neutrino*	$(0.009-0.13)\times 10^{-9}$	0	$c$ charm
$\mu$ muon	0.106	-1	$s$ strange
$\nu_H$ heaviest neutrino*	$(0.04-0.14)\times 10^{-9}$	0	$t$ top
$\tau$ tau	1.777	-1	$b$ bottom

**References:**

<http://portal.or-om.org/science/NeueLogik/tabid/6066/Default.aspx>

<http://portal.or-om.org/science/Urknall/tabid/6064/Default.aspx>

[http://www.internetloge.de/krause/krause\\_lexikon\\_begriffe\\_inhaltsv.pdf](http://www.internetloge.de/krause/krause_lexikon_begriffe_inhaltsv.pdf)