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LAPERRIÈRE, MELANIE R.

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Title of WORK: Cosmographic Physical Science;
Field RESEARCH & THEORETICAL DERIVATIONS including models of the UNIVERSE; Project UFT; Relativistic particles of Quantum Mechanics; DYNAMICS FOR the TRAVERSAL of Granular Space; LANTHANIDE SERIES Applications;

A.K.A. "WALK THE [redacted] PLANK: [redacted]
UNIFIED FIELD Theorems and applications 99;

With [redacted] Includes: physio-chem, AUDIOLOGICS & COSMOLOGICAL DERIVATIONS

APPENDICES: (a) THE TRAVERSAL of granular space: MACHINES FOR Including Caterpillars, sidewinders, & click Bugs.

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"A Cosmology of UNIFIED FIELD THEOREMS & APPLICATIONS"
→ WALK THE PLANK"
A.K.A. COSMOGRAPHIC PHYSICAL SCIENCE (category)

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T. OF. CONTINUES →

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COSMOGRAPHIC PHYSICAL SCIENCE

"A cosmology of Unified Field Theorems & Applications A.K.A., WALK THE PLANK"

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" A cosmology of Unified Field theorems & Applications A.K.A. WALK THE PLANK "

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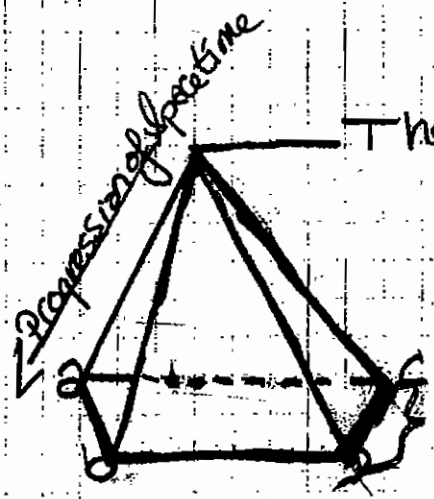
Model I represents an open pyramidal system



The beginning, a singularity. Time = 0

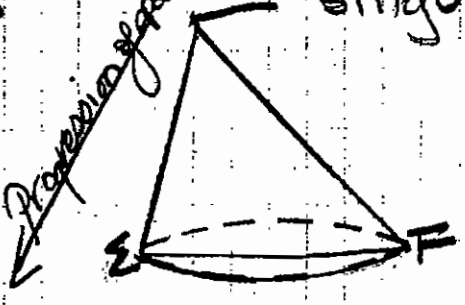
universe expands in four directions

points of expansion capacity

universe ends in four singularities

Model II

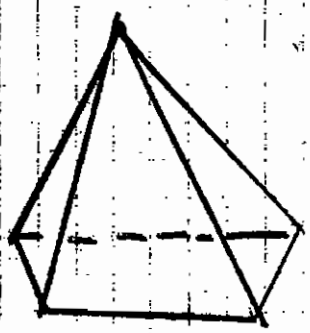
Represents an open conic system.



singularity, space time = 0

universe expands in two directions

points E, F indicate expansion capacity. Line EF is the final diameter of universe ends in two singularities



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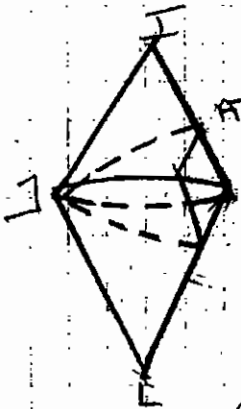
II

Single moving point

model III representing A closed conic system the sharing of circular base between universes, universe ends in four singularities.

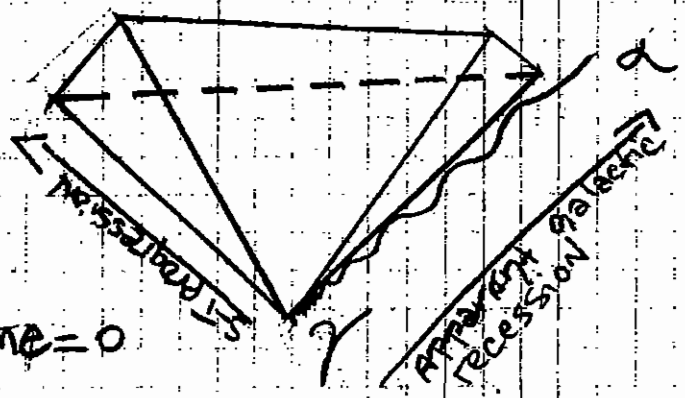


AT Parabolic Stages

Follow up

Melanie La Perrière

4/26/83



Here gamma represents singularity (core of universe) which is gamma-ray source. Electromagnectic radiation becomes visible at certain instant or point in time-space. Primordial emr source can represent sum of contents in oscillating universe scheme. One, for example, observer perceives red shift b/c from source wave is moving forward in time, losing energy, decreasing frequency contending with gravity as it moves through that powerful field. Recession of galaxies is progression of time. Bang should occur when system reaches capacity [i.e. when waves are the longest]

This interpretation has galaxies not moving away from each other except in temporal spacing - as events. They were created at different times so that the older ones appear twice as distant (for example) yet are twice as old. Velocity and age are comparable. From arbitrary gamma point Universe begins as a spring which uncoils and has capacity of extension, <a tension?> which rewinds after reaching parameter. Much confusion for the question arises as to whether the gravitational constant decreases with time which is plausible to me b/c compact mass source is depleting itself with dispersal of mass forming the suspension of structural and energetic aspects of a system that is a universe.

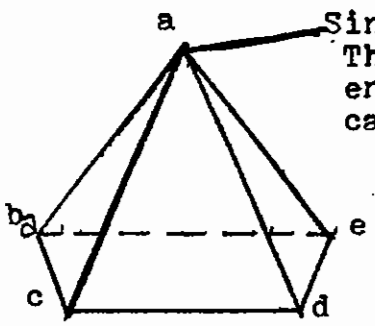
Since the red shift value $z = \frac{\Delta\lambda}{\lambda}$ the change in lambda ÷ the wavelength of the original point source it is likely that equation represents time change.

Melanie La Perriere

UNIVERSE(S) MODELS AND EVOLUTION

Diagram I

An open pyramidal system starts with a



Singularity, the beginning where space-time=0 This universe expands in four directions and ends at four points indicating expansion capacity

Diagram II: An open conic system also springs from a singularity with the universe expanding in two directions. Points g and h indicate expansion capacity while line gh shows the final diameter.

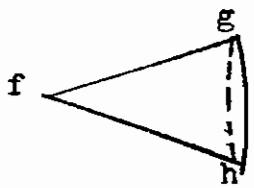


Diagram III: A closed conic system representing the sharing of a base between two universes. The system is four pointed. i,j,k and l, four singularities? Perhaps rather an infinite number.

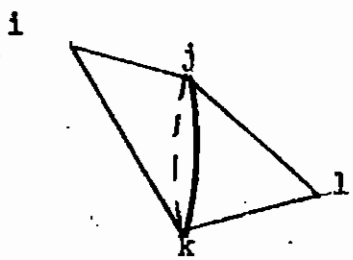
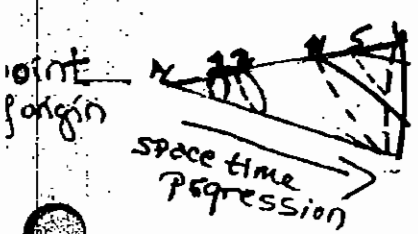


Diagram IV: Singularity dynamics represented. Expanding universe at stages two and three is closed, opens at parabolic stage and remains open as hyperbolic curve as open conic system.



When universe is an open curve it is moving faster than the escape velocity of light. This is the trajectory space-time follws when G curves and warps it in the vicinity of a black hole. This occurs within the event horizon.

When gravity exceeds the escape velocity of light it bends light wavicles away from the observer so that an object becomes in-isible. This condition prevails in the case of the hypothetical black hole hich becomes a singularity.

The universe derives, as the majority of cosmologists hold, from a oint in space-time which they term a singularity. This point is the beg-nning of space-time my opinion.

It seems that the type of singularity that cosmologistsm, particle hysicists etc. have in mind is the point at which gravitatimal effects n density, the curvature of space and the alteration of time become infinite. his chose extrordinaire, point of origin or singularity is , temporally nd spatially, when and where time and matter as we know it began.

I have drawn up some theoretical models of the universe(s representing eceptacles of space-time and space-time evolution as I conceive it.

The 12/82 issue of SCIENCE published an article entitled Cosmic Inflation y written by William Allman. It clarified for me certain aspects of ith's "nothing universe" though I'm still experiencing much confusion lth respect to come essential points. Perhaps I should write Guth and e if he can illuminate me in his own words.

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When infinity is the "most objectionable postulate" reason being that the mechanics of cosmic expansion can be summed as a forever space it seems that evolution of the universe proceeding along an "infinite infinity" course indicates semantics are at issue. (Often the case, non?)(I should mention that I meant chosé extraordinaire in reference to a singularity and should have underlined it (no italics on the keys?), though your introduction of the chosen idea illustrates very clearly the arbitrariness of labels-thanx!)

I think that infinity represents, basically, something that transcends or is beyond human perception/conceptualization & . . may be translated as the boundary of our comprehension or, perhaps, more precisely identified, delineation of our mental capacity. It follows that it is, potentially, something to be considered finite, finally. It is, afterall, determined as as a word and so within the realm of thought.

The arices certainly were intended to represent black holes in the pyramydal sketch as well. White holes are counters, making a front and back door setup it seems. Naturally it is possible in this dichotomous view to assume that one singularity is comprable to the origin of negative universe, - anti-matter, reversal of time etc. One could be the shadow or reflection of the other. The white aspect could be understood in terms of a point of discharge in the sense that it is a/the exhaust ~~xxxxxxxx~~or by product of the reaction that initiated the structural/geometric part formation of the universe as we know it. It was a delight that your conjecture~~zzzzzzzzzzzz~~ explained my question about the floating figures.

TO THE READER AN option IS POSED: i.e., your choice of A token of the Symetry of Nature is Deeply appreciated. It emphasizes the order of equality NEEDED to identify with

(5) Thank you ~ LaPerriere M.R.

pages

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22/3/83

In reference to Dietrick Thomsens' article entitled The New Nothing/ Inflationary Universe it seems that particle physics as a method of exploring reality can not locate a more gravitating frame of reference than that which is offered by the study of the universe and its' arrangement as a complete entity and that therefore the unification of fields becomes evident here. The procedure from practical experiment to theoretical testing ground is apparently a development that can facilitate correlations between several concerns that investigate the fabric of our perceptions.

The unbelievably energetic phenomena in which the particle physicists are interested must be simulated in conjecture the confines of which are determined by the degree of their adherence to logic. A confrontation displays itself in the midst of two ideas. The first is the belief that the universe is growing at a consistent rate in respone to particular ongoing relationships that represent change within a system that is self contained. The opposition states that the universe is not a continuum in terms of its' history and that rifts in its' spacetime lead to the suspicion that its' evolution can not necessarily be entirely traced. If every measurable datum operating in accordance with the laws of conservation has an equivalent counterpart then that nothing out of which the universe sprung should be termed the absence of all that we understand rather than zero.

The predictions by GUTs & Guth of one or more phase transitions as being responsible for the break in the contingency and involvement of aspects of the macro/microcosmic universe suggests the uncertainty of those clues to the origin of things from which prevalent cosmological themes derive.

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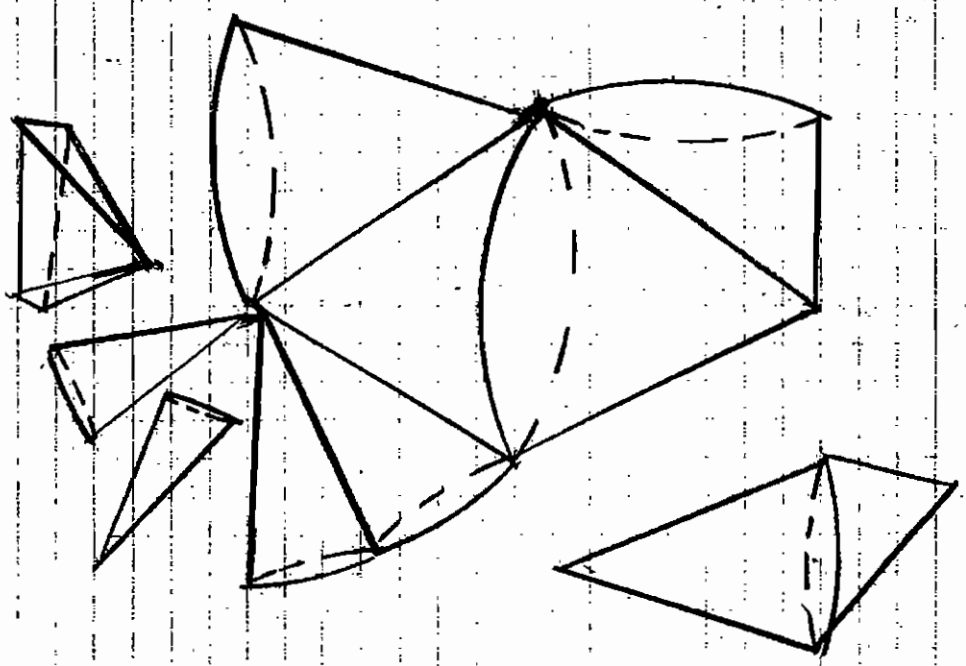
Diagram V: Molecular contruct of totality representing several closed conic universes joined at various points and along several alignments. What could the floating open system, open pyramidal ~~xtxm~~ siagram or closed conic model represent?



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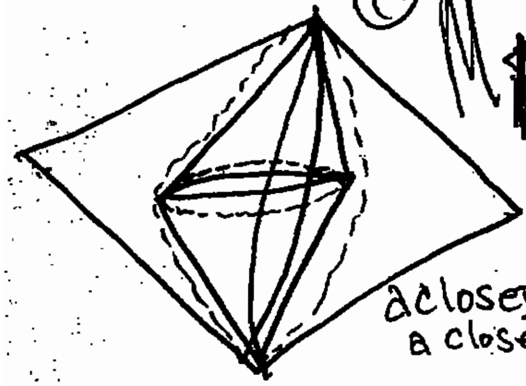
HeLiospan

{ in progreso }

LaPerrière, Mélanie

© MRL Models the Universe Thusly:



a closed bipolar system within a closed bipolar system

Magnetic Dipole

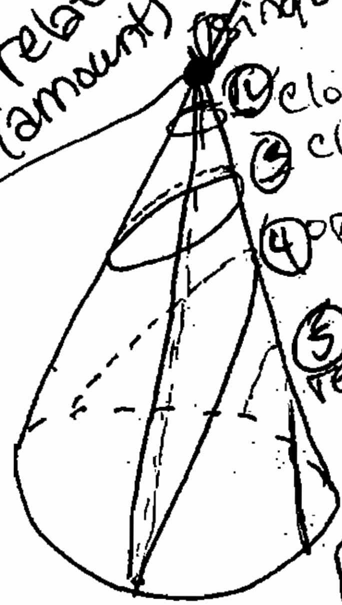
The meeting of V's to form a closed system

Conics — curved paths followed by one body in the G field of another, depending on the relative velocity (amount)

The beginning singularity manifests first as a circle

(Magnetic) as monopole

progresses with more inclination



(1) closed as circle
(3) closed as ellipse
(4) opens at parabolic stage
(5) remains open

U then is open curve, opens when moving faster than escape velocity of it

is simultaneously intersected by a second plane

moving fast resolves itself

becomes excessively

conic projection —

(9.)

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 © LaVerriere, Melanie

When G exceeds escape velocity of light
it bends light away from observer so that object becomes invisible. This condition prevails in the case of the hypothetical black hole which becomes a singularity.

The universe derives, so theorists hold, from a singularity point in (rather than apart from) spacetime - (a singularity is the beginning, in my opinion, of spacetime). Why they chose in the incomprehensible to me.

It seems that the type of singularity that cosmologists have in mind is the point at which gravitational effects on density, the curvature of space & the alteration of time become infinite.

G compresses all matter of univ. into sing.
Specification of pressure out = 1.4 (density ration where 1 is the standard unit or specific gravity of the

commoness
stinct from
ALL
else, chose extraordinaire

This point of origin, the is the sing. & the instance outstanding occasioned by MATTER
When & where time & matter as we know it began. Space, characterized by dimensions extending in all directions from any given point. within which all B. are located.

receptacle receptacle

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Intimacy of Gravity & Magnetism

Lines → direction of force indicate which way magnetic force acts, these lines converge at the magnetic poles.

1981

According to Guth DU not expand, instead hyperinflation

Why is U homogeneous? b/c it began at a smaller volume than Big Bang predicted small enough to let concentrations of matter spread out evenly

It inflated b/c it became supercooled matter in liquid state, for example, it cools below it's freezing point & remains liquid

So, under what conditions does Supercooling occur?

Forces governing electromagnetism & the atomic nucleus thought to be manifestations of a single force that

I think this is

Fluo is comprable only to gallium [31, 69.72 u] the electronic configuration of which is 2|26|26 10|2 3 1 with valence of 3

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Ridge

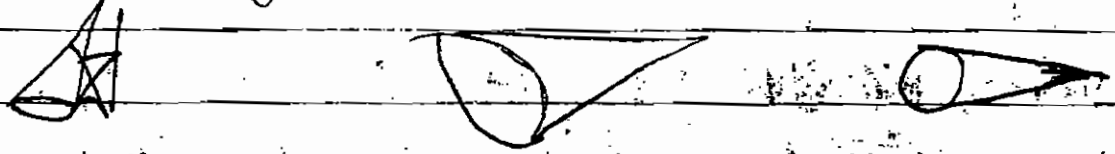
La Perrière, Mélanie

equates: indicates

An object with this power will pursue a hyperbolic or parabolic TRAJECTORY hyperbola - curve followed by object moving faster than escape velocity of light.

Hyperbola - Escape velocity = leaving and not returning to CT, via a curve that cuts both curve traced by a point moving so that the diff. a set of curves at the same angle between its distances from foci remains constant. curve produced by the intersection of plane w/ surface of a cone, the plane intersecting at both nappes

Parabola - The locus of a point moving in a plane so that its distances from a point (focus) & plane parallel to sloping rock side - followed by object moving at escape and a fixed straight line (directrix) are equal;

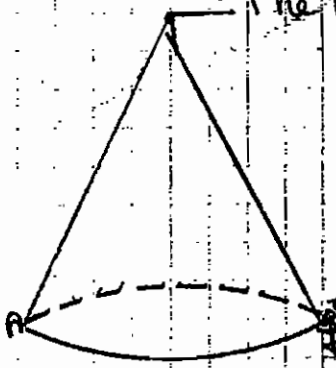


Before hyperbole - exaggeration (PAGE 12) Figurer statement Intended to produce effect

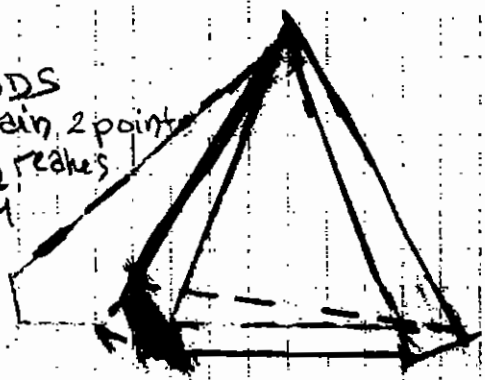
w/o being taken literally, actual terms

La reinteres
Models of the universe (5)

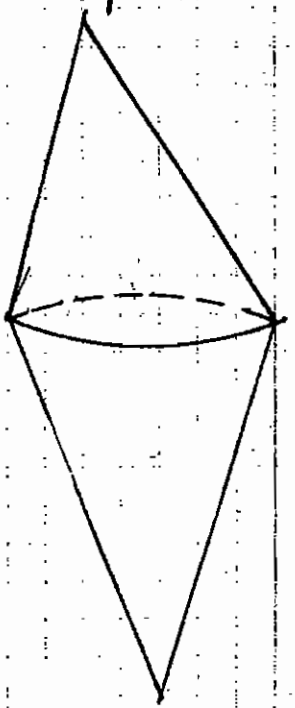
The beginning, a singularity; Time = 0

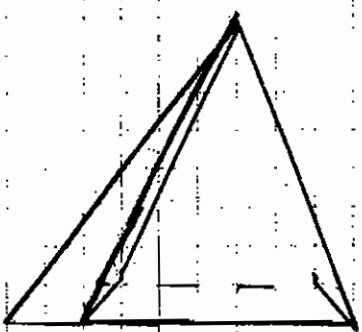


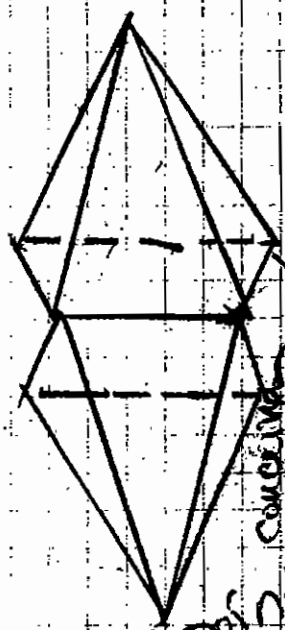
expands to certain 2 points A & B, reaches capacity



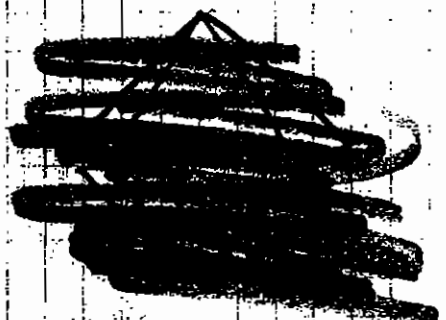
Pole







Four points where universes meet to share base of Pyramid



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Euphemism

Alliterative

Avuncular

partially W/RT: GLASHOW'S SNAKE

ON COSMIC & PLANETARY LEVEL, gravity controls. From Human to atomic distances, electro-magnetism governs.

History & fate of universe is written in every atom

"Holographic model" ALBERT SCHAFLER lecture → & Holographic museum New YORK, NEWYORK

WHAT DO I think of a finite Infinity?

EXPANSION INTO ~~the~~ NARROWING VORTICES of CONE contracting G-recoil

MORE ON UNIFIED THEORIES:
all KNOWN FORCES of NATURE are manifestations of ONE BASIC Interaction, once, Long ago – all ~~point~~ part of single UNIVERSAL FORCE OR PROCESS.

Against Einstein

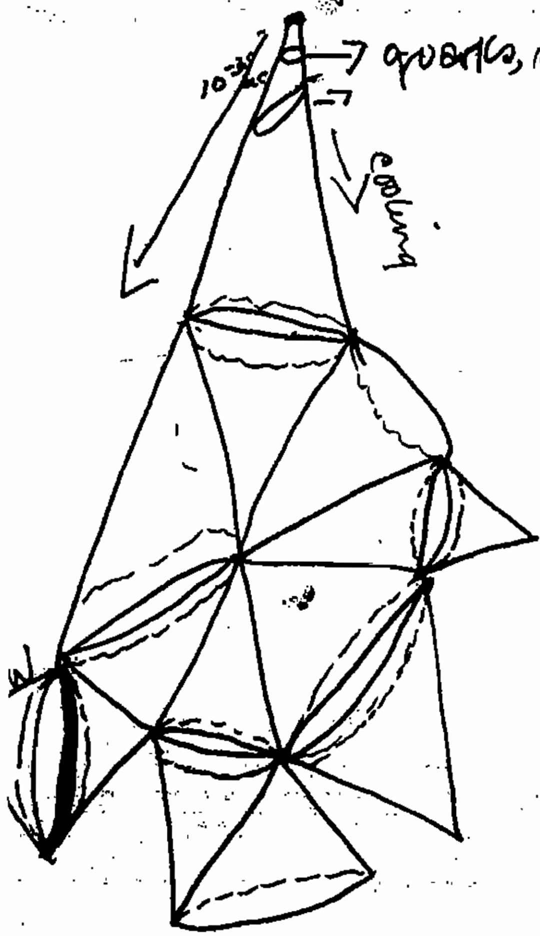
"Spark" MEL REB:
Tachyon behavior
MUON
Tautology confluence

(c) M.K. Laternecesgv Model of the ~~Universes continued~~ THE UNIVERSES continued.

$T \neq 0$

(& other forms of matter akin to 0)

→ quarks, photons & gluons swimming to near infinity



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(P. 16) (ref.) © Melanie La Perriere

In reference to Dietrick Thomsens' article entitled The New Nothing Inflationary Universe it seems that particle phsics as a method of exploring reality can not locate a more gravitating frame of reference than that which is offered by the study of the universe and its' arrangement as a complete entity and that therefore the unification of fields becomes evident here. The procedure from practical experiment to a theoretical testing ground is apparently a development that can facilitate correlations between several concerns that investigate the fabric of our perceptions.

The unbelievably energetic phenomena in which the particle physicists are interested must be simulated in conjecture the confines of which are determined by the degree of theier adherence to logic. A confrontation displays itself in the midst of twe ideas. The first is the belief that the universe is growing at a consistent rate in response to particular ongoing relationships that represent change within a system that is self contained. The opposition states that the universe is not a continuum in terms of its' history and that rifts in its' spacetime lead lead to the suspicion that its' evoluition can not necessarily be entirely traced. If every measurable datum operating in accordance with the laws of conservation has an equivalent counterpart then that nothing out of which the universe sprung should be termed the absence of all that we understand rather than zero.

The predictions by GUT and Guth of one or mere phase transitions as being responsible for the break in the contingency and involvement of aspects of the macro/microcosmic universe suggests the uncertainty of these clues to the origin of things from which prevalent cosmological themes derive. The second predicted consequence is that these hypothetical units of one directional attraction analogous to electric charge actually exist supports a relevant position that seeks to comprehend realities from other than dichotomous perspectives. It is reassuring to discover that these uncertainties have now been assigned definite proportions. To contradict the validuty of a main structural feature of the older particle physics and older cosmology such as the law of baryems

MORE

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The second predicted consequence is that these hypothetical units of one directional attraction analagous to electric charge actually exist supports a relevant position that seeks to comprehend realities from other than dichotomous perspectives. It is reassuring to discover that these uncertainties have now been assigned definite proportions. To contradict the validity of a main structural feature of the older particle physics and older cosmology such as the law of the conservation of baryons is to present a serious challenge to which a viable alternative must be opposed. Unfortunately this alternative is threatened when inconsistencies such as the following cited are allowed to happen. There is an obvious disagreement between a statement in the third paragraph of Thomsens' article and a statement in the second paragraph of the third column of the same. The first statement asserts that

> "The standard astronomically derived big bang theory has the universe expanding smoothly, causally and adiabatically from the moment of origin to the present time."

The second statement reads that

> "Under the assumptions of the standard big-bang theory-the old cosmology- the universe in its' earliest moments expands too fast to maintain causal relations."

I have underlined what seems to me to be in disagreement. If this is in fact a contradiction, then I believe that Mr. Thomsen is detracting considerably from the plausibility of GUT and Guth's argument by presenting the components of the big bang theory opposition so inattentively.

I also do not see what Thomsen means by c being too slow for messages to catch up. Which messages are faster than the speed of light? I am not aware of anything that travels more rapidly than light with the exception of certain possible highly accelerated electron-type particles

(P. 18) ©LA Recicle, Mélanie

in a chamber on earth. If these are the messages to which Thomsen is referring then I don't understand the extent to which their slightly greater velocity could create a communication gap between different parts of the universe.

If the universe has been expanding since the moment of its' origin for Thomsen to say that all of its' parts were communicating throughout its' expansion then is again a contradiction to his previous statement that at some point communication was not happening between different parts of the cosmos. In my opinion the fact that the universe looks the same to a typical observer in all directions is a legitimate basis for assuming that different areas of the universe were relating throughout the expansion and still are exchanging information as the universe is still expanding.

The statement that the initial condition of extreme flatness that existed in the early universe was highly unlikely to have occurred in a random fashion is ridiculous to me without some indication as to given the kind of ordered fashion it could otherwise have occurred in.

To refer to spacetime as dictating the creation of magnetic monopoles in a topological way necessarily infers that they are invariant and genuine facets of physical dimension. It is intriguing that the recognition of an increase in the matter or density of the universe must be justified by the acceptance of a phase transition during the immediate post-natal stages of cosmic generation. The state of the universal material must have changed significantly from one moment to the next. If this phase transition parallels that of water to steam than it is interesting to consider what the reconversion would be like. The sudden addition of activity to the energies of spacetime questions the potentialities and capacity of the entire system. It seems that if a contained amount of heat is being dispersed throughout a larger and larger region without escaping the system then one of several possibil-

ities must happen. The heat should reach a limit that forces a contraction and recollection of thermal energy to one point the heat Should Fail to meet any boundaries that catalyse its concentration the system will eventually freeze. The three degree kelvin standard should decrease if expansion continues and increase if, after the outward propelling energy has depleted itself, an initiation of a reversal of the adiabatic process results.

I am struck by the profundity of the notion that new phenomena can appear despite the impossibility of their existance prior to the realization that possibilities are more flexible than suspected. Energy, entropy and matter arising from nothing is an idea that reinforces the principle of the inconceivable as nothing. Nothing is certainly something which I cannot imagine in any sense save as the zero glyph or junction of complete cancellation. I suppose that the zero or vacuum level from whence the universe originates according to GUTh is comparable to a blank canvas in some way. The force that splashed the stuff which spread in whirls, ellipses and other circular shapes as if being spun on a plane is yet to be discovered. I look forward to the details of the theory being fitted to observation and To Guth and his colleagues working it out and expounding upon it. I would like to access the innovations when and if they are synthesized.

The PROCESS & EXPERIENCE

© MELANIE LAPERRIERE

of exploring reality can not locate a more gravitating frame of reference than that which is offered by the study of the universe and its' arrangement as a complete entity, ~~and that~~ therefore the unification of fields becomes evident here. The procedure from practical experiment to theoretical testing ground is apparently a development that can facilitate correlations between several concerns that investigate the fabric of our perceptions.

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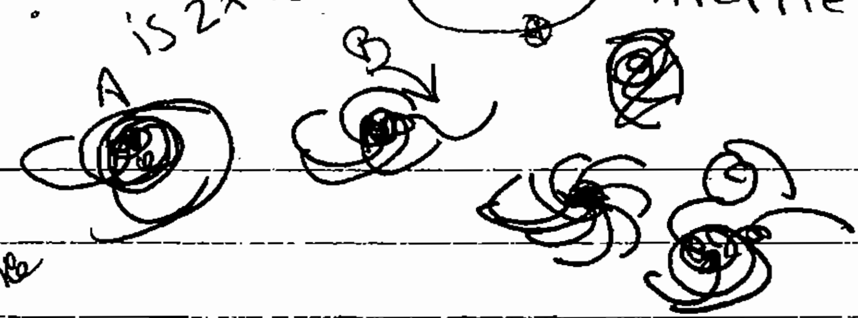
is 2x velocity (p. 21) (C) LAPerrière, Melane

A B



arms originate from different ~~galactic~~ Radials within Galactic plane ~~D~~ Mmm

velocities proportional to their distance

Singularity of Blackhole - gamma X-ray source

Far away back in Time began as X-ray (running away) waves stretched (red shift) by the time it reaches us here on ⊕

frequency $f = c / \lambda$

Cygnus 1 x 1

Quantum Mechanics in me (as much as I could)

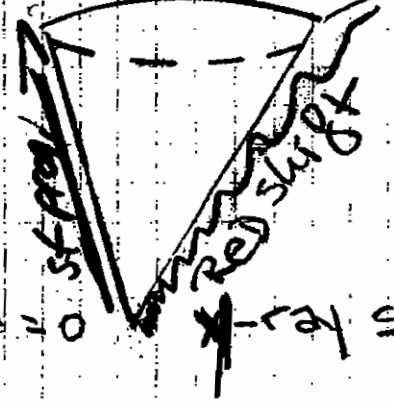
age = 1/Hubble

G constant decreases with time b/c Mass source is depleting itself with dispersal of Mass, so that space, the suspension of M, E & c^2

free-free (or bremstahlung) emission is imp. ~~[illegible]~~ radiation source in ionized third state clouds or plasma e⁻ not captured by ion encounter, such as corona

free-free radiation! emitted by free e⁻ as it is accelerated (force applied to it) in electrostatic field ~~[illegible]~~ of an ion

capacity of System



electromagnetic radiation becomes visible at certain point or instant in time.

Primordial radiation source of a particular universe can represent the collection of the contents of the previous.

AT T=0

an ⊕ observer perceives red shift b/c from radiation source gamma ray is moving forward in time.

Recession of Galaxies is progression of time. The Bang should occur when universe system reaches capacity, when electro-magnetic waves are so long that they become Noise. → Energy of system reverses & all (MATTER) MATTER is forced together again

Perhaps it is not that galaxies move away from each other, they were created at diff. times so that the older ones appear twice as distant yet are in fact twice as old.

© LaPorte, Melanie

like a spring uncoiling has capacity of extension & universe will rewind with increasing noise reduction,

Deceleration parameter (the rate at which cosmic expansion is slowing down) perhaps can be measured amount of E.W. relative to gamma rays

GTR light loses E, i.e. becomes red-shifted in (electron volts) moving outwards through powerful gravity field

i.e. shift term $z = \frac{\Delta\lambda}{\lambda}$ (change in / original from rp, source)

 © LaPerrière, M.R.

$$\left(\frac{\dot{R}}{R}\right)^2 = \frac{8\pi}{3} G\rho - \frac{K}{R^2}$$

$$p(T) = cT^{14} + p_0$$

$$R(t) \to e$$

$$\chi = \sqrt{\frac{8\pi}{3} G\rho_0}$$

Simplest GUT based on the mathematical Symetry Group SU(5)

one or more phase Transitions which interupted causality & adiabatics. Cosmology seems to be a theory of destroy truly ex nihilo & the U seems to remain perpetually nothing as long as it exists. i.e All quantities that are the subjects of conservation laws & so imp to a phys explan of the system (such as energy, angular momentum, color charge etc.) seem to be arranged so that - & + amts. of them are equal & so always 0 (sit. you can't distinguish from nothing)

→ magnetic ex monopoles (Monopoles)

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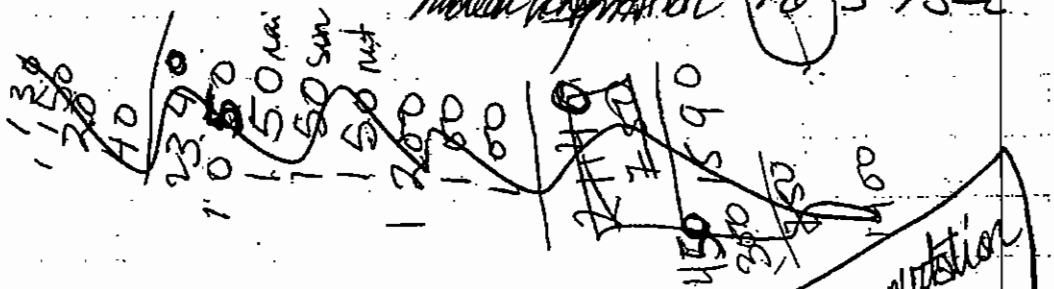
Radiocarbon Dating

C - neutron detector - (16) 266 Ad

Nuclear Transmutation (16) 595 Dc



Unified Field Theory (02) 694 Dc
8 - 1346
Sci fue Will 9 - 835
NW & Stellar 16 593 (V)

Transmutation of E
22
401 C

Thermonuclear Reaction

~~See Fig 22 (9) 1659 F Star (21) 325 F~~
~~16~~

19 K. Phenomena

Nuclear moment
(17) 653 Ad
(17) 6615

high energies
linear accelerator

Relativistic APs

Cloud Chamber
8 130 Ad

page 25

Es flowing through wire produce Magnetic field

Monopoles — many

goth — 1 per universe

Changes in motion in ~~electric~~ magnetic field setup an electric field

~~etc~~ despite the absence of ~~the~~ an electric charge

Maxwell's field equations

1) $\nabla \times E = -\frac{dB}{dt}$

2) $\nabla \cdot D = \rho$

3) $\nabla \times H = J + \frac{\partial D}{\partial t}$

4) $\nabla \cdot B = 0$

} Relationship twixt electricity & magnetism

properties of ~~the~~ Space around objects are influenced by the presence of Matter

combined to give a wave equation describing Light

To consider
the ~~[illegible]~~ of the
U. from this point on
in terms of It being
a bound infinity
it must be established
that It can be infinite
in terms of its expansion
capacity yet is bound
in ~~[illegible]~~ or by the way
in which it evolves.
In the sense that time
is infinite, it is nonetheless
bound by the dictates of
the process it is determined

pa 28

5/17/83

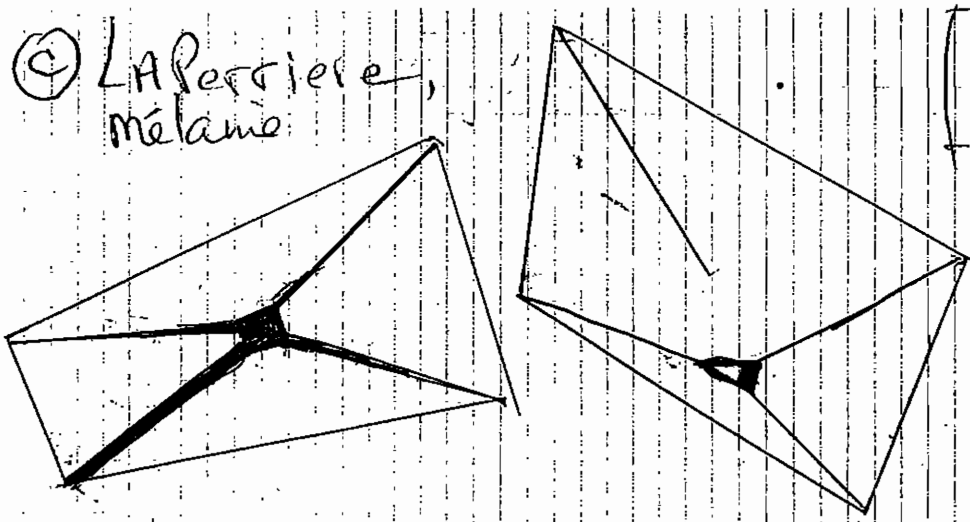
It seems that to consider the universe in terms of it's being a bounded infinity one must establish that it can be infinite yet is bound by the manner in which it evolves.

Time is infinite as long as there are beings to differentiate dark & light in the eyes & minds of those who are aware.

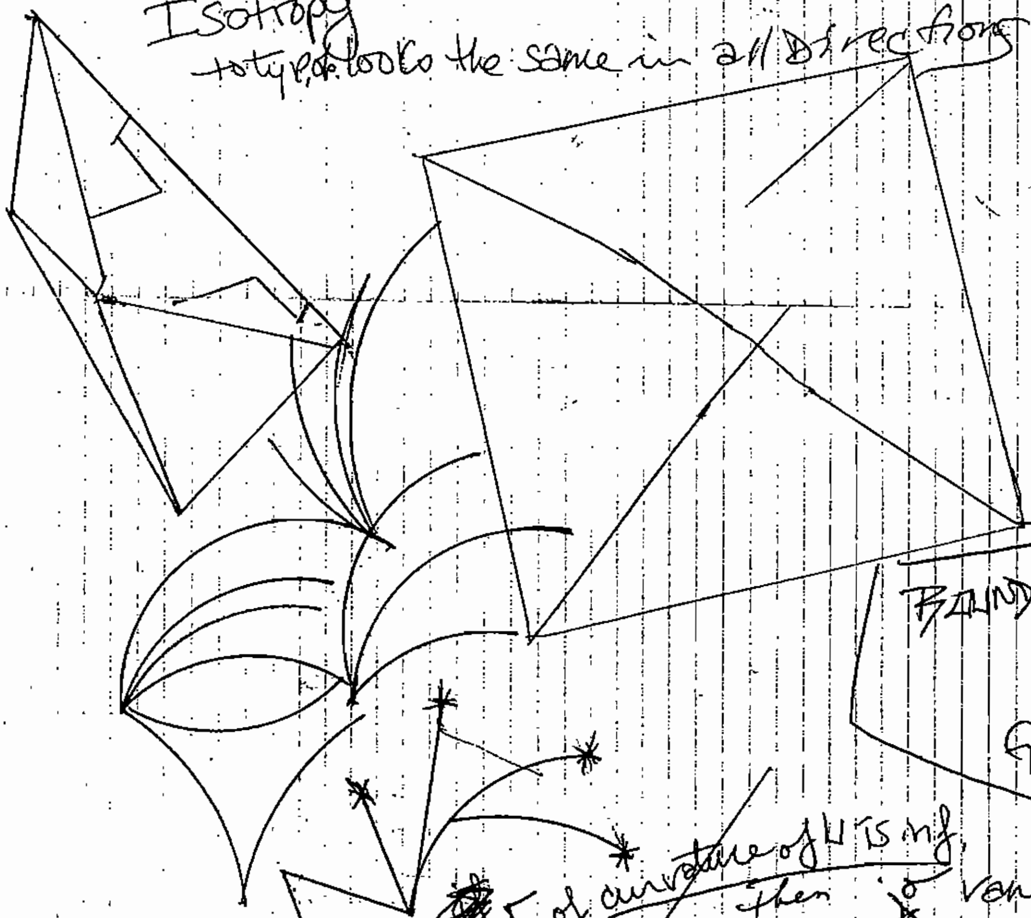
REF: Chandrashekhar
& Eddington
on the RED SHIFT 3°K

Mélanie

For distance determination, velocity & galactic objects.



Isotropy
totypo looks the same in all Directions



BOUNDED infinity

G as an effect

r of curvature of U is inf,
then ρ vanishes (pressure constant)

to rep. forces

If U is quasi Euclidean is:

Spin = prop. basic to elementary particles

phenomenological representation

can take only whole # or 1/2 × Plank's constant

(infinity of U)
What it is bound by is the way in which it expands or evolves

ρ has to disappear

infinite in reflective

reflective prop.

carrying charged particles

Missing Mass

Cannot predict
closure of universe
without M & E

MORE INFO FOR:
VAN NOSTRAND
Science encyclo-
pedia

FERMI LAB
Chicago

SRFS

MACH

$\Delta\lambda = \frac{\text{change wavelength}}{c}$

Numbers

A / Sky & Telescope Mag.

Radial Velocity

V = Hd → 55 million

MACH - Speed of Sound

M gets greater as approaches c

$\frac{1}{2}AT^2$

F = MA

55 KLPS per Mega PS

Reconnaissance Mission: On every 55 PS many 55 K away

Radio Astronomy Division

AU

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fait Accompli °

W/R/t: DRAKE Equation

conundrum °

THE SAME VALENCE (BINDING capacity)

Q.) It & they, do you understand singularity now?

A.) NOT With respect to cosmology.

(Q.)

A.) It implies Explanation request yet to be realized {hee, heee hee}

17th 1/H

35.453 100797

35. as much AS H: ONE kind of

37. as much the other Baryon

~~39~~. 1ST TYPE is three times as numerous as SECOND the AVERAGE weight WAS 35 1/2 x

(C) 1977-2012

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A.K.A. "WALK THE PLANCK" Regards from MAX 99

BiB-Liography

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{ FARADAY; MICHAEL; }
MAJORITY OF CITATIONS:
MARCONI:

"THE LIGHTER SIDE OF GRAVITY" {NARLIKAR}

(HEISENBERG'S UNCERTAINTY PRINCIPLE
RE: e- LOCATING)
[WAVICLES] FREE RADICALS
PHOTONS

EINSTEIN, ALBERT → "SPECIAL RELATIVITY"
"BLACKHOLES & WARPED SPACE TIME"
"THE FIRST THREE MINUTES"
[(K)ELVIN = Bgrnd radiation]
① ② ③ ④

HAWKING, STEPHEN →
GAMOW, GEORGE → "MR. THOMPKINS IN WONDERLAND"
"FLATLAND"

CALCULATING TRAJECTORIES ON CURVED SURFACES → POLYGONS, & DIMENSIONAL ANALYSIS

page 32 →

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↳ Included Bibliographical Elements used as References {cont.} re: Title of work.

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Chandreskhar → "WHITE DWARFS" & other similar after RED GIANT phases

GALILEO:

ONSITE

KOLAR FIELDS { BANGALORE; HUNGRY Colonial GARDENING }

{Parallaxis "PRINCIPIA" NEWTON}

DYNAMICS Optics → GALILEO

OF

MAGNETIC FLUX

CALCULUS; LIEBNIZ

{astronomers/ MAGELLANIC / NAKEDEYE studies / cloud FIELD} TRIP

{HALLER, GEORGE (TO BE continued)}

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Appendices
[in progress]

Title of Book: Cosmographic physical science
A.K.A.: WALK the PLANK: unified FIELD Theorems & Applications

THE TRAVERSAL OF
Granular Space:
FOR
MACHINES & the
CELESTIAL mechanics of
'caterpillars', 'sidewinders'
& 'clickbugs' with 'SNAPIN'
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