

NEW QUANTUM THEORY AND BLACK HOLE

11.0

CONTRACTION

SINGULARITY OR BLACK HOLE

IN ORDER TO EXPLAIN THE FORMATION OF SINGULARITIES THE FOLLOWING AXIOMS NEED BE REVIEWED.

AXIOMS:

- (1) SPATIAL DENSITY D_N , VARIES INVERSELY AS $P_N(x)$..
(1C)
- (2) ENERGY DENSITY E_N , VARIES INVERSELY AS $P_N(x)$.
(2C)
- (3) GRAVITY G_N , VARIES INVERSELY AS $P_N(x)$..
(3C)
- (4) $P_N(x)$ IS UNIFORM AND CONVERGENT WITH RESPECT TO N .
(4C)

- (5) FOR ANY TWO GIVEN INTEGERS K, J WHERE $K < J$ THE SCHRÖDINGER WAVE FUNCTION GIVES $P_K(x) > P_J(x)$, AND $E_K < E_J$ THAT IS E_K IS DIVERGENT WHILE $P_K(x)$ IS CONVERGENT.
(5C)

SINGULARITY OF THE BIG BANG

THE BIG BANG THEORY STATES THAT AT SOME TIME IN THE DISTANT PAST THERE WAS NOTHING. A PROCESS KNOWN AS VACUUM FLUCTUATION CREATED WHAT ASTROPHYSICISTS CALL A SINGULARITY. THE MATTER WITHIN THAT SINGULARITY, WHICH WAS ABOUT THE SIZE OF A DIME, AND FROM THIS OUR UNIVERSE WAS BORN.

BECAUSE OF THE SINGULARITIES IN THE BIG BANG CONCEPT PHYSICISTS AND COSMOLOGISTS HAVE COME TO A STALE MATE. A FEW QUOTES ARE GIVEN BELOW TO SHOW HOW PEOPLE THINK OF THE SHORTCOMINGS OF THE OLD QUANTUM MECHANICS WHEN ONE WANTS TO UNIFY MACRO AND MICRO THEORIES.

CONCLUSION

THE NEW INTERPRETATION OF SCHRODINGER'S EQUATION OF QUANTUM MECHANICS, GIVES SOME GROUNDS TO EXPLAIN THE EARLIER MOMENTS OF CREATION, OR THE BIG BANG BEFORE PLANCK TIME.

THE APPLICATION OF THIS NEW QUANTUM THEORY TO THE THREE ASPECTS OF THE THEORY OF BIG BANG SHOWS HOW TO UNIFY CLASSICAL MECHANICS AND QUANTUM THEORY.

THE EXPLANATIONS GIVEN TO THE SAMPLED PHENOMENA IN PHYSICS, AND COSMOLOGY, USING THIS THEORY, MAY BE TAKEN AS AN ENCOURAGEMENT AND A GOOD STARTING POINT FOR OTHER INVESTIGATIONS IN OTHER AREAS LIKE CHEMISTRY AND DNA.

HOPEFULLY THOSE WHO WANT TO TEST THIS IDEA MAY FIND IT HELPFUL IN SOME WAY.

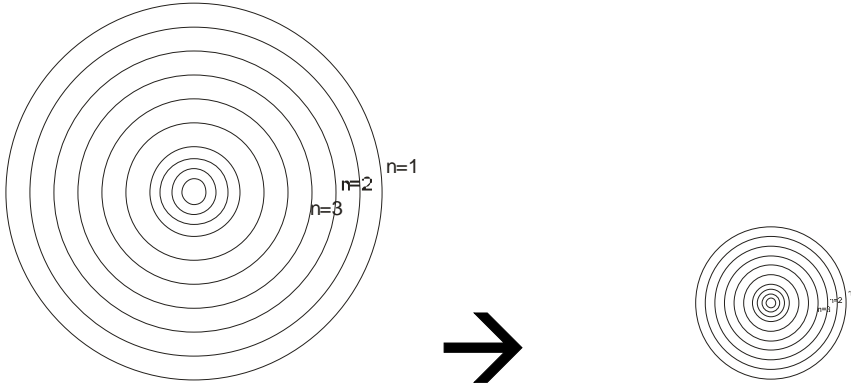
LET ME KNOW HOW YOU GET ON AND ANY SUGGESTIONS FOR CORRECTION OR IMPROVEMENT WILL BE VERY WELCOME. TWO HEADS ARE BETTER THAN ONE.

PRIMORDIAL BLACK HOLES

SINCE EACH HAS FINITE MASS AND INFINITE ENERGY IT FOLLOWS THAT ANY SUBSEQUENT BIG BANG IS CLOSED FROM THE PREVIOUS AXIOM. WHEN A UNIVERSE OF $n=1, 2, 3, \dots, p$ BECOMES CLOSED OR DIES A BLACK HOLE IS FORMED. HENCE FROM THE ORIGINAL BIG BANG A NUMBER OF BLACK HOLES ARE FORMED WHICH AGREES WITH STEPHEN HAWKINS QUESTS.

CONTRACTION

11.2



$$f < \infty$$

$$g < \infty$$

$$e < \infty$$

$$t > 0$$

$$F \rightarrow \infty$$

$$G \rightarrow \infty$$

$$E \rightarrow \infty$$

$$T \rightarrow 0$$

**WHERE F IS FREQUENCY, G IS GRAVITY, E IS ENERGY,
D IS DENSITY, AND T IS TIME**

THE DIAGRAM ABOVE IS SUMMARY OF ALL THE DISCUSSION ON THE STUDY OF THE BEHAVIOR OF THE WAVE FUNCTIONS OF SCHRODINGER'S EQUATION AND THEREFORE OF PHYSICAL REALITY.

FROM THE AXIOMS IT IS SEEN THAT DURING CONTRACTION F GOES TO INFINITY, G GOES TO INFINITY, E GOES TO INFINITY, D GOES TO INFINITY, AND T GOES TO ZERO.

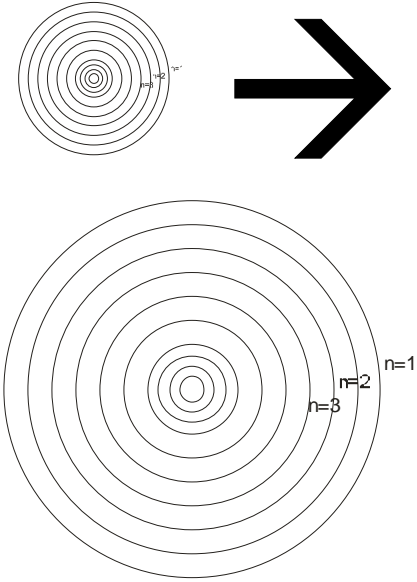
11:3



BIG BANG IS OPPOSITE TO SINGULARITY OR BLACK HOLE

12.4

EXPANSION OF THE UNIVERSE



$$F \rightarrow \infty$$

$$G \rightarrow \infty$$

$$E \rightarrow \infty$$

$$T \rightarrow 0$$

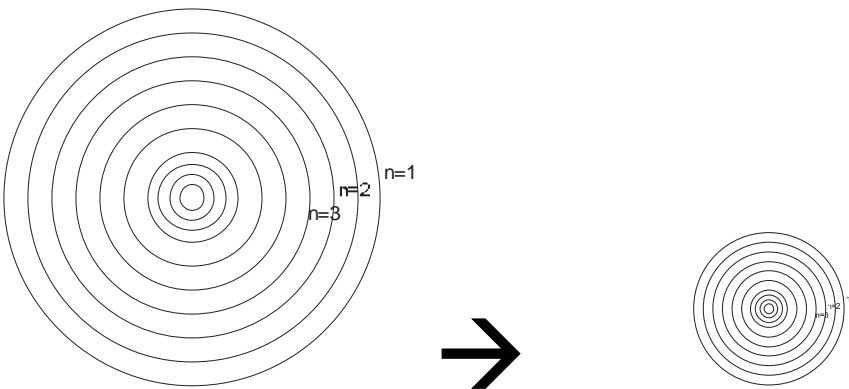
$$f < \infty$$

$$g < \infty$$

$$e < \infty$$

$$t > 0$$

CONTRACTION OF THE UNIVERSE



	$f < \infty$	$F \rightarrow \infty$	
	$g < \infty$	$G \rightarrow \infty$	
	$e < \infty$	$E \rightarrow \infty$	T
$\rightarrow \infty$			
	$t > 0$		

WHERE F IS FREQUENCY, G IS GRAVITY, E IS ENERGY, D IS DENSITY, AND T IS TIME

IT HAS BEEN PROVED BEFORE THAT DURING CONTRACTION OF A UNIVERSE OR ANY MASSIVE BODY TO ZERO OR BLACK HOLE, F GOES TO INFINITY, G GOES TO INFINITY, E GOES TO INFINITY, D GOES TO INFINITY, AND T GOES TO ZERO.

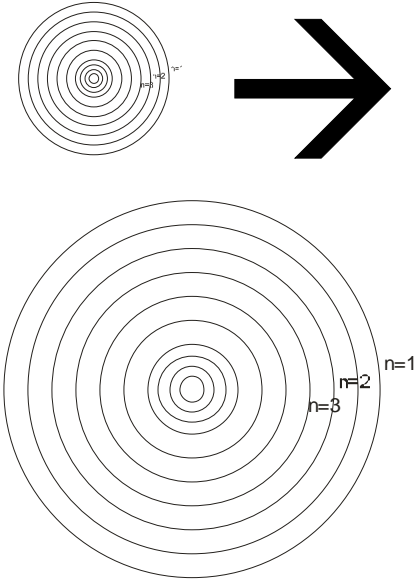
IT HAS ALSO BEEN PROVED THAT THAT DURING BIG BANG EXPANSION F GOES TO ZERO, G GOES TO ZERO, E GOES TO ZERO, D GOES TO ZERO, AND T GOES TO INFINITY.

THE CONCLUSION THEREFORE IS SIMPLY THAT BIG BANG AND BLACK HOLES ARE OPPOSITE.

BIG BANG IS OPPOSITE TO SINGULARITY OR BLACK HOLE

12.4

EXPANSION OF THE UNIVERSE



$F \rightarrow \infty$

$f < \infty$

$G \rightarrow \infty$

$g < \infty$

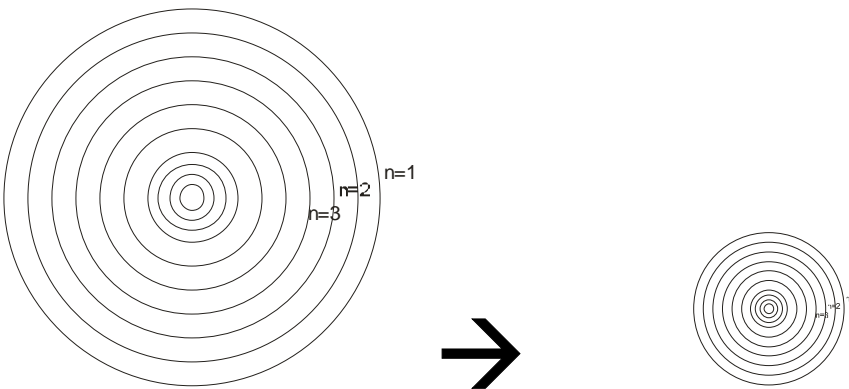
$E \rightarrow \infty$

$e < \infty$

$T \rightarrow 0$

$t > 0$

CONTRACTION OF THE UNIVERSE



$$\begin{array}{llll}
 & f < \infty & & F \rightarrow \infty \\
 & g < \infty & & G \rightarrow \infty \\
 & e < \infty & & E \rightarrow \infty & T \\
 \rightarrow \infty & & & & \\
 & t > 0 & & &
 \end{array}$$

WHERE F IS FREQUENCY, G IS GRAVITY, E IS ENERGY, D IS DENSITY, AND T IS TIME

IT HAS BEEN PROVED BEFORE THAT DURING CONTRACTION OF A UNIVERSE OR ANY MASSIVE BODY TO ZERO OR BLACK HOLE, F GOES TO INFINITY, G GOES TO INFINITY, E GOES TO INFINITY, D GOES TO INFINITY, AND T GOES TO ZERO.

IT HAS ALSO BEEN PROVED THAT THAT DURING BIG BANG EXPANSION F GOES TO ZERO, G GOES TO ZERO, E GOES TO ZERO, D GOES TO ZERO, AND T GOES TO INFINITY.

THE CONCLUSION THEREFORE IS SIMPLY THAT BIG BANG AND BLACK HOLES ARE OPPOSITE.