Book summary: STOE replaces relativity and quantum mechanics

J.C. Hodge^{1*}

¹Retired, 477 Mincey Rd., Franklin, NC, 28734

jchodge@frontier.com

Abstract

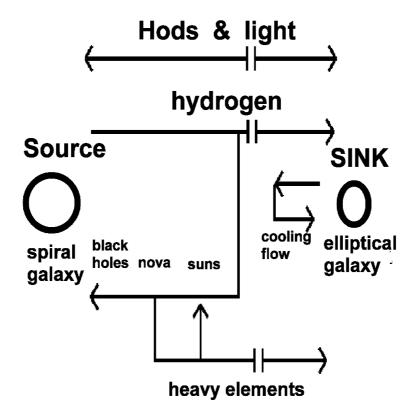
The need for a paradigm shift is growing. Many ad hoc models and outlandish speculations abound to model many unexplained observations. The Scalar Theory Of Everything (STOE) audacious claim of a new paradigm is supported by corresponding to relativity and quantum mechanics; y explaining many problematical observations; and by making and fulfilling several predictions. It posits 2 components of the universe emerge to form everything. It models the universe as composed of cells with Sources (spiral galaxies) and Sinks (elliptical galaxies and matter). It forms the Universal Equations. One equation to define the potential at all points and one equation that uses the poential to exert forces on matter. These equations are applied the microwave background temperature, rotation curves, asymmetric rotation curves, galaxy redshift and discrete redshift, the pioneer anomaly, light interference, etc. The wave model of light is rejected by 2 experiments predicted by the STOE. Maxwell's Equations are modified. Life and society application of the STOE principles is suggested.

keywords: diffraction, interference, light, Afshar Experiment, STOE, TOE.

^{*}E-mail: jchodge@frontier.com

STOE REPLACES

relativity and quantum mechanics



by John C. Hodge

UNIVERSAL EQUATIONS

$$\begin{split} \rho_{\mathrm{p}} &= K_{\epsilon} \sum_{i=1}^{N_{\mathrm{source}}} \frac{\epsilon_{i}}{r_{i}} \\ &- K_{\eta} \sum_{j=1}^{N_{\mathrm{sink}}} \frac{\eta_{j}}{r_{j}} \\ &- K_{\mathrm{hods}} \sum_{k=1}^{N_{\mathrm{hods}}} \frac{K_{r}}{r_{k}} \cos \left(\frac{2\pi r_{k}}{\lambda_{\mathrm{T}}} - \pi \right) \exp^{-j(\omega t_{k})} \\ &> 0 \end{split}$$

$$ec{F}_{\mathrm{s}} = K_{\mathrm{G}} \sum_{l=1}^{N_{\mathrm{hods}l}} m_{\mathrm{hod}} (ec{n}_{l} ullet ec{
abla}
ho_{\mathrm{p}l}) ec{n}_{l},$$

Contents STOE replaces

relativityand quantum mechanics

Acknowledgments xxv							
preface xxvii							
1		tulates	1				
	1.1	Introduction	1				
	1.2	The Principles	9				
2	The	Universe	17				
	2.1	The STOE galaxy data	54				
3	GR	& QM replacement	59				
	3.1	STOE	59				
		3.1.1 Energy continuity equation	66				
		3.1.2 Forces	68				
		3.1.3 Particles	75				
		3.1.4 Chirality of matter	79				
		3.1.5 Source characteristics	79				
		3.1.6 Sink characteristics	79				
		3.1.7 Equivalence Principle	80				
	3.2	Sink and Source galaxies	82				
	3.3	Hod model	85				
		3.3.1 Hod action on ρ -field	88				
		3.3.2 ρ-field action on a hod	93				
	3.4	Particles	94				
	3 .5	The analogy	95				
	3.6	Structure	95				
	3.7	spin	97				
	3.8	Universal Equations	105				

4		dify Maxwell's Equations	107
	4.1	The model	
	4.2	Experiments reject the Biot-Savart Law	109
	4.3	Experiment 1	
	4.4	Experiment 2	114
	4.5	Experiment 3	117
	4.6	Interpretation	117
5	Ten	perature of the universe	119
	5.1	Model	121
	5.2	Conclusion	125
Ø	z &	discrete z	127
	6.1	Universal Equations application	127
	6.2	Redshift model	130
	6.3	Results	133
	6.4	X factors	140
	6.5	Discrete variations in redshift	_
	6.6	Discussion	149
7	Pio	neer anomaly	155
	7.1	Universal Equations	155
	7.2	Introduction.	155
	7.3	Model	157
	7.4	Results	158
		7.4.1 Sample	
		7.4.2 Annual periodicity	160
		7.4.3 Difference of a_p between the spacecraft	
		7.4.4 Slow decline in a _P	163
		7.4.5 Saturn encounter	
		7.4.6 Large uncertainty of P11 80/66	
		7.4.7 Cosmological connection	164
	7.5	Discussion	165
8	Rot	ation Velocity vs Inner Radius	169
	8.1	Universal Equations	
	8.2	Introduction	169
	8.3	Sample	170
	8.4	Analysis	
		8.4.1 Using DSS Data	175

	12.10.3 Simulation	271
	12.10.4 Screen	271
	12.10.5 Mask	271
	12.10.6 Correspondence with the Fraunhofer model	275
	12.10.7 Discussion	275
	12.11Diffraction experiment rejects wave models of light	276
	12.11.1 INTRODUCTION	276
	12.11.2 The experiment	276
	12.11.3 Edge experiments	279
	12.11.4 Discussion	281
	12.11.5 Conclusion	284
	12.12opaque strips	284
	12.12.1 INTRODUCTION	284
	12.12.2 Experiment	285
	12.12.3 Discussion and Conclusion	293
	12.13 with a transparent mask rejects wave models of light	293
	12.13.1 INTRODUCTION	293
	12.13.2 The Description of the experiment	293
	12.13.3 The Toy Simulation of the experiment	
	12.13.4 Discussion and Conclusion	294
13	Replacement of Special Relativity	299
	13.1 Universal Equations	
	13.2 INTRODUCTION	
	13.3 Null experiments	
	13.4 Length contraction	
	13.5 Doppler shift	
	13.6 Clocks	
	13.7 Time dilation	
	13.8 Discussion and Conclusion	304
14	Life and survival	305
TI	14.1 The purpose of life is life	
	14.2 The nature of nature	
	14.3 Biological to Social Mechanisms	
	14.4 The Vital Way to life	
	TATE ATTE ATTENDED MAN MINE	333
15	STOE comparison to current models	347
10	Speculations	351

		8.4.2 Using HST Data
	8.5	Discussion
9	Dist	ance calculation 191
	9.1	Model
	9.2	Data and Analysis
	9.3	Discussion
10	RC	& asymmetric RCs 205
		Universal Equations
		Introduction
		Spiral galaxy model
		Results
	-	10.4.1 Sample
		10.4.2 First approximation
		10.4.3 Second approximation
	10.5	Discussion
11	CM	O & σ correlation 231
11		Universal Equations
		Introduction
		Sample
		Results
		Discussion
	11.0	Discussion
12	Pho	ton diffraction and interference 241
	12.1	Universal Equations
	12.2	INTRODUCTION
	12.3	Model
		12.3.1 Photon action on ρ -field 249
		12.3.2 ρ-field action on a photon
	12.4	Simulation
		Photons traveling a long distance
	12.6	Young's experiment
		Laser
	12.8	Afshar experiment
		Discussion
		Single Photon diffraction and interference 269
		12.10.1 INTRODUCTION
		12.10.2 Model
		-