

# Mahatma Gandhi's Satyagraha in South Africa: A Social Modeling Eigenvalue Matrix

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**Abstract:** In South Africa, Gandhi developed the so-called non-violent strategy, what he called Satyagraha. The Satyagraha created the global footprint of Gandhi from South Africa in particular and later, on the World in general during struggles for Freedom and Independence inclusively against colonialism. Far outside(s) of South Africa's borders like India and elsewhere, different civilizations of socio-religious-racial-cultural codes/modes, must have never heard of Satyagraha to pro-activate themselves until the arrival of India-born Mahatma on the socio-legal-political-racial scenario in South Africa.

Coined by self-conscious Gandhi, Satyagraha by the way facilitated South Africa to flourish as the *matrix of Satyagraha* or South Africa was *the matrix for Gandhi's Satyagraha*. But, it is a geo-matrix without hesitancy distinguished from Study of Matrix or Matrices in symbols and /or numerical system as per Applied Science. Taking cue out of these interpretations, this Paper projects Satyagraha as Social Modeling Eigenvalue Matrix.

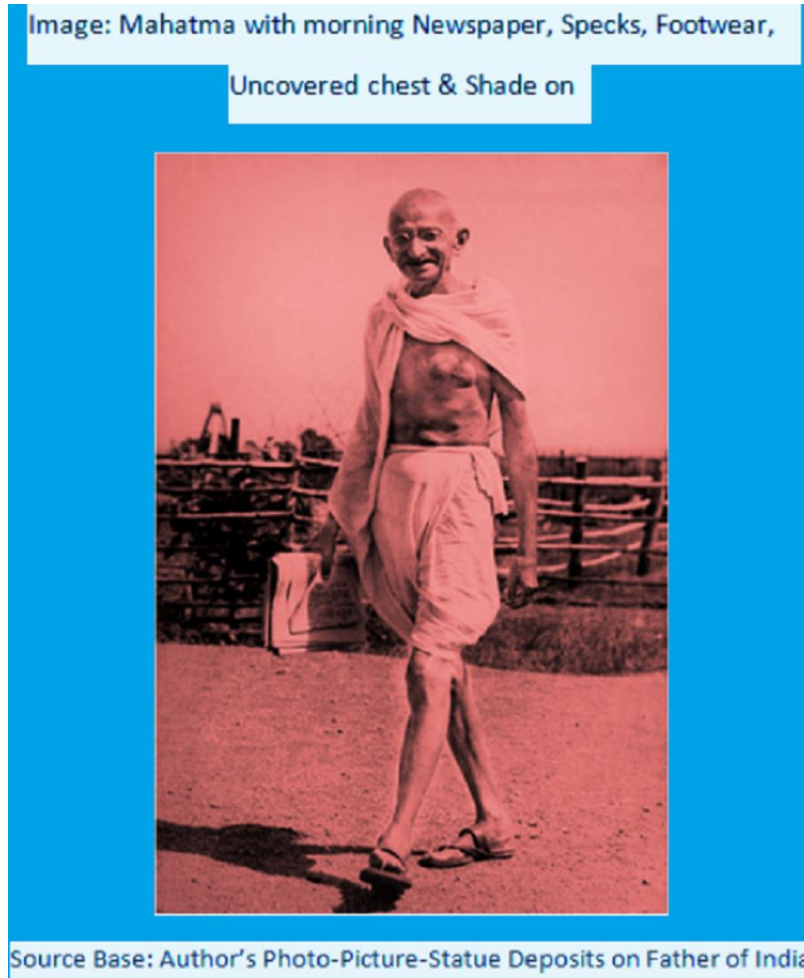
Re-researching Satyagraha as a social modelling in this 21<sup>st</sup> century is not necessarily because it happened in the then South Africa on account of Mahatma Gandhi but because the Eigenvalues of Satyagraha afford the sea of humanity a right direction like torch-lights do in darkness, let alone the World's archives that South Africa was the geo-matrix for Satyagraha. Societal explorations into Satyagraha as a possible social-modeling-eigenvalue-matrices or the best curve fitting such as the simplest straight line of linearity in geo-political and democratic streamlining is the crux of this piece of analogical research project self-directed.

**Keywords:** Colonialism, Eigenvalue, Mahatma, Matrix, Pro-activate, Satyagraha, South Africa, Streamlining.

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## 1. INTRODUCTION

South Africa was the matrix for Gandhi's Satyagraha. Elaborated, this implies that South Africa constituted the place or point on the Globe from where Satyagraha originated, took form of Satyagraha spirit of Civilization and developed into mass movement in national interest. Attributed with the policy of passive resistance inaugurated and initiated by Mahatma Gandhi, it is the method of gaining political and social reforms through the tool of 'Satya' meaning the truth whereas 'Agraha' is a strong attachment in persistence. Also, the policy of nonviolent resistance adopted by Mahatma Gandhi to oppose British rule in Indian context from about 1919. Combined, it stood for the policy of nonviolent resistance promoted by Mahatma Gandhi as a means of pressing for political reform in South Africa and India with recourse to nonviolence, nonviolent resistance and passive resistance as action-plan of peaceful resistance to any government by refusing to cooperate and in the process, even by fasting.



**2. READY RECKONER & BODY OF EXPLORED STUDIES & RESEARCH EFFECTS**

2.A	<b>Satyagraha as a Philosophy</b>
2.B	<b>Satyagraha as a Theory</b>
2.C	<b>Satyagraha's Eigenvalues</b>
2.D	<b>Satyagraha's structured Information</b>
2.E	<b>Satyagraha's Eigenvalue Matrix</b>
2.F	<b>Satyagraha's Four Bulleted Equations</b>
2.G	<b>Satyagraha's best curve fitting straight line of Linearity</b>
2.H	<b>Satyagraha's Standard-bearer &amp; Practioner's Table</b>

**2.A Satyagraha as a Philosophy**

Satyagraha loosely translated as insistence on truth or holding onto truth or truth force is a particular philosophy and practice within the broader overall category generally known as nonviolent resistance or civil resistance.

**2.B Satyagraha as a Theory**

It influenced Nelson Mandela's struggle in South Africa under apartheid, and campaigns during the Civil Rights Movement.

### 2.C Satyagraha's Eigenvalues

Just above, I've already happened to interpret that South Africa was the matrix for Gandhi's Satyagraha implying that South Africa has constituted the place or point on the Globe from where Satyagraha originated without natural roots like those of trees but with human-roots, say like that of Mahatma Gandhi's psycho-potentiality. This version of matrix, say the geo-matrix, is cast aside in this Paper. Why not a differently possible, feasible and optimal one? Satyagraha could be scientifically made to look more relevant, say as a Notational Matrix of the Applied Mathematics of Applied Sciences in social science studies.

Toward this, let us fix the 'Eigenvalues' of Satyagraha. What can they be to give us a different Satyagraha Matrix other than the geo-above to be interested in?

This Paper has identified a total of 7 Eigenvalues in respect of Satyagraha which include not only Mahatma Gandhi's 3 called the Truth, Nonviolence & Courage but also the other researched 4 called the Confidence, Self-sensing, Being human & Standard-bearer. All these 7 are the Human Principles of Truth, Nonviolence, Courage, Confidence, Self-sensing, Being human and Standard-bearer. Also, universal in their disposition. The area of Human Psychology that underlies this is called positive spirited and shows up throughout Life-time. In general, unless in the positive spirited mindset always, one probably will never see directly dozens of things in life-time qualitatively depending upon it.

### 2.D Satyagraha's Structured Information

A few years back, scientific method was not considered suitable for social modeling in social research. The logic behind it is that there is no way to dilute inherent contradictions between the two, scientific research and social research. But today scientific method is applied in social research with brought-in-borrowed tool called adaptations keeping in view the inherent complexity of human nature which is the edifice for social research for knowing the social world. Since social life is different in many ways. Psychology centering on the analysis of the structure of conscious mental states called structural psychology is a brought-in-borrowed tool for understanding social world.

Above everything else and first of all, let us strongly believe that this Earth/World and our Life/Living operations are filled with interactions. People interact with people. Institutions interact with Institutions. Nations interact with Nations. Leaders interact with Leaders. Populations interact with populations and the World interacts with human lives. And, we interact with the Universe consciously and unconsciously.

These interactions are not necessarily simple always but sometimes complicated too with several of messages, responses, counter-messages and counter-responses getting exchanged establishing reciprocities as well as non-reciprocities saddled in human relationships usually according to the serious and/or playful involvement of human attributes/properties such as the aforementioned ones of Truth, Courage, Confidence, Non-violence, Self-sensing, Being human and Standard-bearer. The net result is informational in nature called real-world-information to learn more about the real world and be able to study and research the real world affairs for perceiving betterment. Factually, all information per se is a representation of the aggregate interactions convincing the practitioner-real-world to seek more and at the same time be able to tackle real world. In a nutshell, it is to represent some real world 'facet' with ease in its quality and this is information's biggest usage to come up with inferences and conclusions profusely.

So, let us comprehend to accept the various informational facets of real-life-world in existence in the form of the highlights of Courage, Confidence, Non-violence, Truth, Self-sensing Being-human and Standard-bearer. The real question is the role of linearity in our daily interactions' life of informational inputs plus outputs radiating in quantities and qualities natures that has an underlying linear structure. Any and all such interactions can be matter- some and/or material-sums of varieties of materialisms inviting our initiatives to be represented as an array of entries called Matrix in Applied Science. Notational Matrix is a way of structuring information. Matrix notation is a very useful way of encoding linear information perceived in terms of the familiar like the Courage, Non-violence, Confidence, Truth, Self-sensing, Being-human and Standard-bearer that allows people to communicate with each other and/or one another to satisfy and rely on linearity. This research work is presented as a linear series of stages organizing in a linear fashion such that use of it also be linear,

Image: Residential M.K.Gandhi in SMS (Satyagraha Mood & Season ) proper South Africa

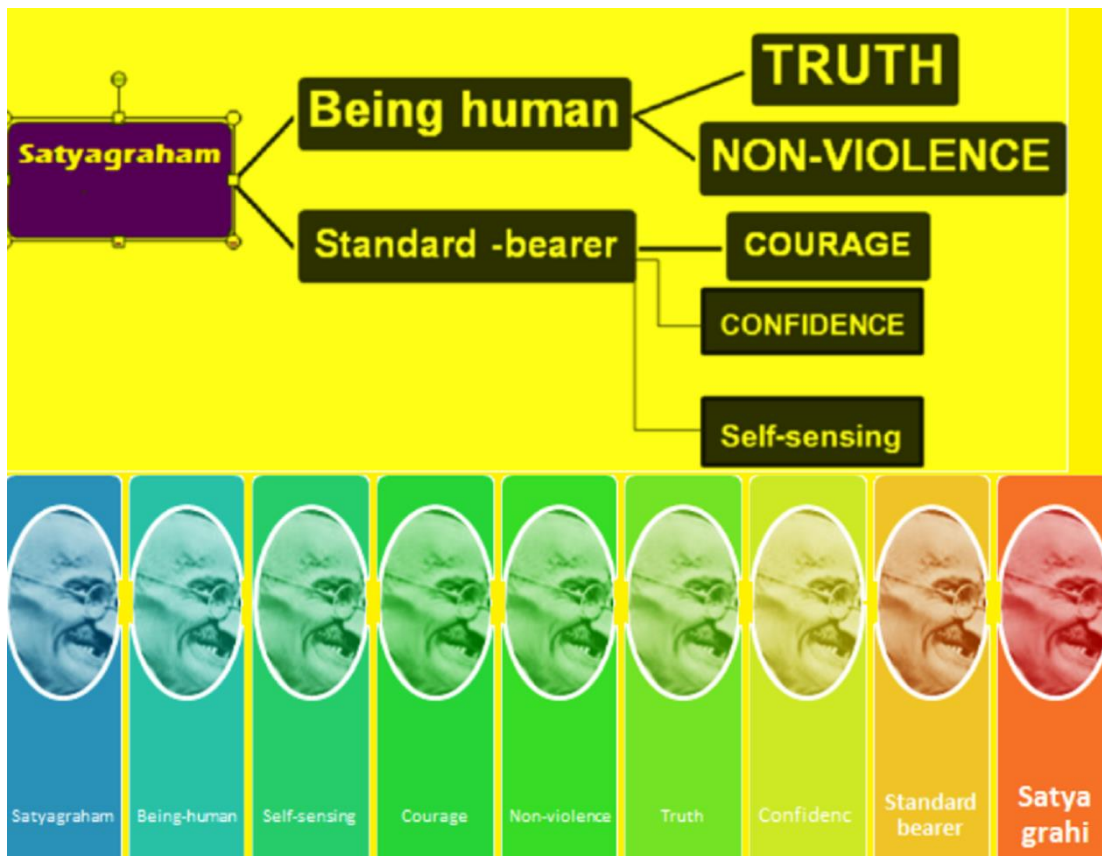


SourceBase: Author’s Collection Resourcefulness

**2.E. Satyagraha’s eigenvalue matrix**

Satyagraha’s eigenvalue matrix can be said to be a modeling array of mankind’s characteristics/attributes/properties such as the invisible and indivisible Truth, Courage, Confidence, Non-violence, Self-sensing, Being-human and Standard-bearer being the qualifier-parameters. The latter are non-numerical ready-reckoners of the observer-operator-transformer linearity (straightness) in mankind’s psycho-potentialities of Satyagraha in the Satyagrahis.

Image: Arrayed eigenvalues composing Satyagraha’s Eigenvalue Matrix



Source Base: Author’s Third Eye Force View of Mahatma’s 9 Heads



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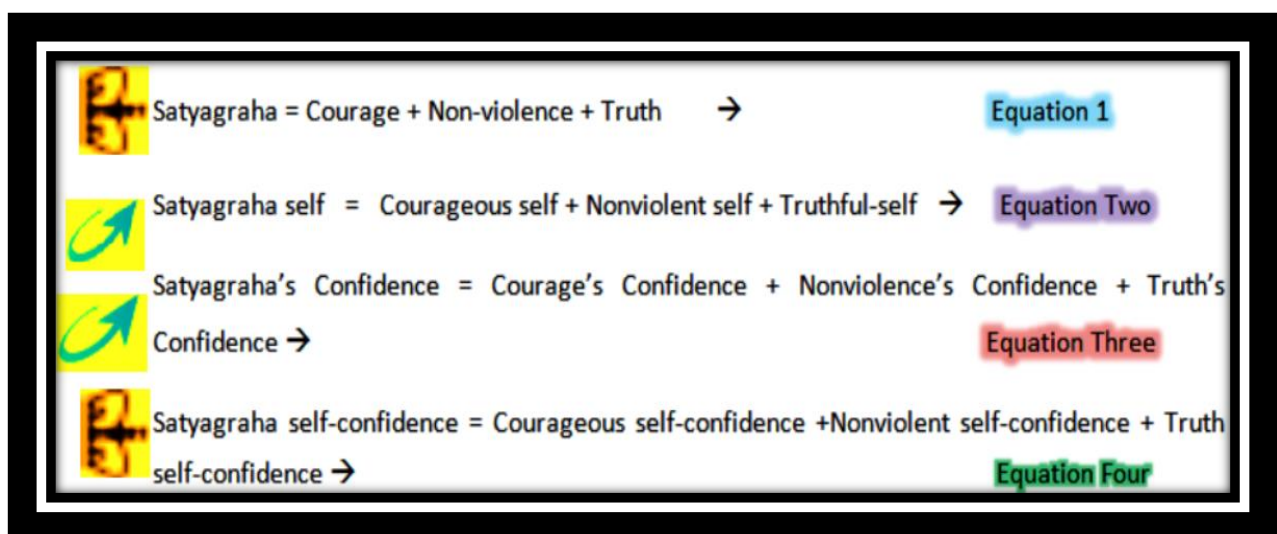
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This Paper’s scope reserves its limits to confine itself to throw light on what is aptly described as the Satyagraha’s Notational Matrix of Linear Human Properties without exhaustively indulging like in a Faculty Study at a Deemed University to adorn the branch of Applied Science so as to differentiate it from Pure Science, with or without controversial laboratorial proofs/applications. Of course, it is demonstratable through Social Sciences work shops and training of Satyagrahis as standrad-beares is a future prospect.

Strictly speaking, Mahatma Gandhi had indeed out of his religious old and new affiliations, developed methods of result-oriented actionable elements , compounds and equations-formulizations based upon the abstract values of divine courage, divine non-violence and divine truth culling them into the Divine Universal Set of potential valuations culminating into, namely, the Satyagraha, taken roots in his own-self.

**2.F The Four bulleted Satyagraha Equations attributed to Gandhi**

Image : Gandhi’s structural Satyagraha in spiritual linearity



Source Base : Author’s indepth exposure to Satyagraha

The eruptional and equational calculus must have led Gandhi to further develop to implement the full-blown concept of Satyagraha self-confidence.

By 1896, Gandhi had established himself as a political leader in South Africa. Serving as legal counsel to an African merchant and other African litigants, he came across the expression ‘coolies’, being racist term for Indians who are non-whites and improperly dressed. Gandhi protested despite warnings by the powers-that-be in Africa to comply with the racist terms and order. Gandhi opined that he began to think of his duty to stay extended in Africa and fight for individual rights against a symptom of the deep disease of color prejudice.

He had to stay in South Africa promoting rights of Indian people just because when he attempted to claim his rights as a British subject in South Africa upholding the objectives of the legal profession, he was in no time got abused, discredited and witnessed similar treatment to fellow-Indians at the hands of the white-skinned. Satyagraha promoted nonviolence and civil disobedience as the most appropriate methods for obtaining political and social goals. He made good use of jail times in whole-hearted studies and prayers in the conflicting interests of religion and undivided Hindu-Muslim India, his mother-land. During the Anglo-Boer War (1899-1902) and the Anglo-Zulu War (1906) he organized Indian ambulance forces to assist the British, although they believed that the Afrikaners and Zulus were fighting a just struggle; he viewed his actions as a testament to the loyalty of the Indians to the British Empire, and he felt that they should persuade the British to give the Indian people a domestic law.

Image: India and South Africa of Africa delineation



Source Base: Author’s insight views on India & South Africa’s self- constitution preserving linearity.

**2G. Satyagraha’s best curve fitting Straight line of Linearity**

Linearity has a role in our daily routined character-work balancing lives. It is to communicate and structure information. There are different kinds of scientific theories that rely on linearity, factually. Linearity is the study of practical actions. The latter are our affairs and works like the things to do or the things not to do . In this process of living , a way of transforming and creating change in another is the output or desired result. By this, implication is that these have properties allowing advantage of working in eigenvalues of Satyagraha explained above. Being straight is the shortest time-consuming and result-oriented in real -life and world affairs around us . Humanity lives on and on with infinite number of ideas in face. But then, just seven eigenvalues of Satyagraha remote-control all the infinite possibilities in this racially spread populations .Therefore, it is a real generality of linearity that the world can be well-organized as the best curve fitting straight line of Linear eigenvalues of Satyagraha such as the traits of all world-wide populations . As we realize, eigenvalues of Satyagraha are thus real-life linearity clues..

**2. H Satyagraha’s standard-bearer & Practitioner’s Table**

In the interest of Gandhi’s Satyagraha Ideology’s beliefs and preachings , the following Table serves means to an end.

Image: Practitioner-Table

Four Satyagraha Equations.

Satyagraha = Courage + Non-violence + Truth	→	Equation 1
Satyagraha self = Courageous self + Nonviolent self + Truthful-self	→	Equation Two
Satyagraha’s Confidence = Courage’s Confidence + Nonviolence’s Confidence + Truth’s Confidence	→	Equation Three
Satyagraha self-confidence = Courageous self-confidence + Nonviolent self-confidence + Truth self-confidence	→	Equation Four

Source Base: Researcher’s Derivatives Mind settings

Hence, this Paper in terms of mobilization of Gandhi by the South Africa’s search engine for mankind , also senses germination of Gandhi’s Africanism within the Gandhian-self did reflect in India upon his permanent return to India accompanying him from Africa all the way . In other words, India-born Gandhi worked upwards to uplifting both African and Indian public rights in Africa .That was his Africanizational transition by way of his personal destiny to outflow as the Africa’s Gandhi-ism operationalized in India in his freedom struggles with the colonial Britons.

Image: Student-Lawyer-Freedom Fighter appearances of Gandhi



Source Base: Author’s probing the Index of a man is his Face to become Father of Indian Nation from South Africa

### 3. CONCLUSION

Gandhi after completing law studies in England in 1891, worked as a legal advisor to the Gujarati trading company in South Africa from 1893 to 1914. Here Gandhi led the struggle against apartheid and Indian oppression non-rationally organizing peaceful protests against the government. As a result, South African Indians succeeded in having certain discriminatory laws against them removed. Of India and South Africa, he deployed Satyagraha in the Indian independence movement and also during his earlier struggles in South Africa for dignified treatment to Indians with human rights devoid of racial bias.

### 4. STUDENT-RESEARCHER’S RECOMMENDATIONS

Also, this desk-research work & paper proposes a justification for the Father of Nation Mahatma Gandhi’s honorability elevation from the current ‘Mahatma’ title to the ‘Paramatma’ award-honor afresh. Mohandas Karamchand Gandhi (MKG), even though an Indian by virtue of having born to Indian parents, it is a remote fundamental in the 21st Century because MKG has become a global-life-universal-image forever. According to my study and research, the one holiest award of Paramatma is pending to be conferred on MKG who is India’s Father of Nation.

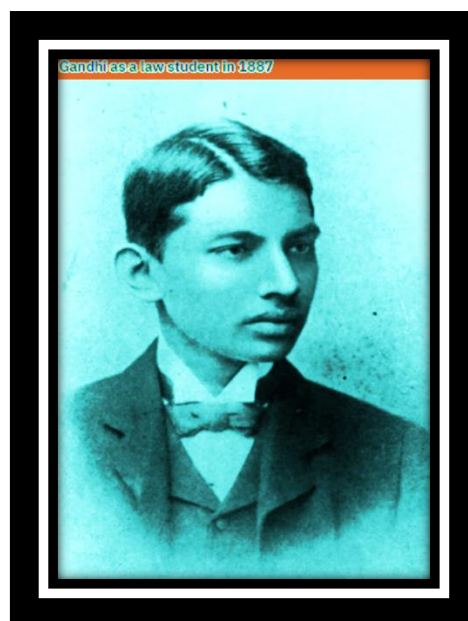


Fig. Young Gandhi in student days of Law Study

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My rational is that the MKG imbibed the essence of human-life with the help of the triad of the great Indian Epics, namely, the Ramayanam, the Mahabharatam and the Geeta which he had acknowledged directly and indirectly not only through several of the multiple and complicated life-facets but also referred to the triad in his very many facets of logicism in political achievements, social landmarks, national milestones and throughout the Independence struggles in India and South Africa. Hence, he becomes and he be everlasting as the Paramatman from India.

This recommendation of honoring MKG with 'Paramatma' award is not an overdo by me but because I know that the Almighty God Sri Maha Vishnu also was twice born as a Writer, known as the Kapila Maharshi and the Vyasa Maharshi so far as my knowledge of Hinduism goes on and on stretching from the Earth toward the blue sky. His Excellency MKG, a prolific writer too, must have been an incarnation to that extent of Almighty God Sri Maha Vishnu undoubtedly and unhesitatingly, therefore. India should have conferred the holiest award Paramatma on MKG by now. And it is long overdue.

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- [2] My various Class-room Lecture Notes in M.Phil. Classes at the University of Mumbai.
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