

# Chromatic Stereometry

Manifesto Declaration



M A N I F I E S T O

ESTEROMETRISMO  CROMATICO

# Chromatic Stereometrism

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## Complete Manifesto

### I. Introduction

In an artistic landscape visually saturated by fragmentation and constant reinvention of styles, contemporary art offers increasingly challenging aesthetic experiences. Chromatic Stereometrism emerges as a bold and unifying proposal that invites the viewer to experience new dimensions of visual perception. Through the juxtaposition of geometric patterns, tessellations, and stylized figures, this artistic movement seeks to awaken curiosity and stimulate imagination.

As a proposal for a new avant-garde, Chromatic Stereometrism builds upon the foundations of artistic movements such as Constructivism and Op Art, while exploring new expressive possibilities enabled by advances in digital technologies, positioning itself at the intersection of various artistic currents that have explored the relationship between art and science.

From the Russian Constructivists to the kinetic artists of the mid-20th century, such as Julio Le Parc, Carlos Cruz-Diez, and Victor Vasarely, numerous artists have investigated the expressive possibilities of geometry and color, in addition to the contribution of the great master of tessellations and regular division of the plane, M.C. Escher, and pioneers in digital art like Herber and Belinski with their now famous 3D holographies. However, Chromatic Stereometrism goes beyond these influences by incorporating contemporary elements such as digital technology and the exploration of the fourth dimension. This movement presents itself as a response to the growing fragmentation of contemporary art, offering an alternative to egocentric artistic practices and constant reinterpretations of historical styles. "This movement seeks to establish a dialogue between art and science, generating significant and relevant aesthetic experiences for contemporary society."

### Key Concepts:

- Sensation of volume
- Visual sensation of depth
- Sensation of movement
- Texture
- Complex three-dimensional patterns
- Dynamism
- Symmetry
- Form and space
- Structured composition
- Detail, precision, and innovation

## Justification of the Movement

This movement is based on the idea that three-dimensional solids, defined by "Stereometry," combined with a design of vibrant colors on geometric patterns of a tessellation, result in a new form of complex and abstract art that challenges the viewer's perception in an unforgettable visual experience.

In each composition, the relationship between form and space is explored, and the use of bright or saturated colors helps enhance the three-dimensional effect of the work, accentuating the dynamism and movement of complex figures. Additionally, lights and shadows create a sense of depth, an illusion of three-dimensionality of complex patterns in two dimensions.

As is known, a tessellation consists of a geometric pattern that repeats infinitely and uniformly, without leaving blank spaces or overlapping. Thus, the figures that emerge from three-dimensional geometric forms interact with this tessellation, which in turn gives texture to the work, making it appear to jump from the canvas or whatever material with which it has been created.

One of the most interesting characteristics of Chromatic Stereometrism is how artists can use geometry and mathematics to create their highly structured compositions. Some artists may use computer programs to create 3D models of their artworks, allowing them to visualize their creations before final production. Other artists may use advanced mathematics to create highly complex and symmetrical tessellation patterns. This attention to detail and precision in the creation of artworks is one of the things that makes Chromatic Stereometrism a fascinating and unique artistic movement in today's world. Artists who follow this movement will seek to create works that are not only aesthetically attractive but also surprising and innovative.

## II. Theoretical Foundations

Chromatic Stereometrism is founded on the exploration of the basic elements of visual composition: form, space, color, and rhythm. By combining these elements in innovative ways, works are generated that challenge the traditional perception of depth and dimension.

- **\*\*Stereometry and Tessellations\*\***: The foundation of the movement lies in the application of geometric principles such as stereometry and tessellations. These mathematical tools allow for the creation of structured and visually impactful compositions.
- **\*\*Color and Emotion\*\***: Color plays a fundamental role in creating atmospheres and evoking emotions. Through the careful selection of tonalities and contrasts, the aim is to generate an intense and memorable sensory experience.
- **\*\*Illusion and Reality\*\***: Chromatic Stereometrism explores the boundary between illusion and reality. The artworks created under this current invite the viewer to question what they see and discover new interpretations.

## III. Methodology

The creation of an artwork within the framework of Chromatic Stereometrism involves a rigorous and creative process. Artists explore different techniques and materials, from traditional painting to digital tools. The creative process is based on experimentation, intuition, and the constant search

for new forms of expression. Chromatic Stereometrism presents itself as a proposal for modern art that seeks to revitalize visual language.

While contemporary art offers a wide diversity of expressions, there is often a perceived lack of cohesion and a tendency to repeat established formulas. Chromatic Stereometrism responds to this need for innovation by proposing a new aesthetic based on the exploration of geometry, color, and perception.

By combining elements of the avant-garde tradition with the possibilities offered by digital technologies, this movement seeks to:

- **\*\*Overcome fragmentation\*\***: Unify different artistic disciplines under the same visual language, creating a coherent and recognizable aesthetic.
- **\*\*Reclaim the importance of form\*\***: In a context dominated by conceptual art and performance, Chromatic Stereometrism reclaims the importance of form and composition as fundamental elements of the aesthetic experience.
- **\*\*Explore new dimensions of perception\*\***: Through the creation of optical illusions and immersive experiences, this movement invites the viewer to question their own perceptions and discover new ways of seeing the world.
- **\*\*Establish a dialogue with science and technology\*\***: By using tools and concepts from mathematics, physics, and computer science, Chromatic Stereometrism establishes a bridge between art and science, thus enriching its language and expanding its possibilities.

In this context, Chromatic Stereometrism presents itself as an alternative to current trends in contemporary art, offering a fresh and original vision that can inspire new generations of artists.

#### IV. Distinctive Characteristics

- **\*\*Technological Innovation\*\***: The movement embraces new technologies as a tool to expand creative possibilities. Virtual reality, 3D printing, and artificial intelligence offer new means to experiment with form, color, and space.
- **\*\*Sensory Experience\*\***: Chromatic Stereometrism seeks to generate an immersive sensory experience. Through the use of vibrant colors, complex patterns, and the creation of optical illusions, the viewer is invited to immerse themselves in a visually rich and stimulating world.
- **\*\*Play and Metaphor\*\***: The artworks of Chromatic Stereometrism are like visual puzzles that invite the viewer to decipher their hidden meanings. Through metaphorical references and symbolism, a dialogue is established between the artist and the public.

#### V. Social Impact

Chromatic Stereometrism has the potential to generate significant social impact by:

- **\*\*Democratizing art\*\***: Making art accessible and understandable to a broad audience, regardless of their artistic background.
- **\*\*Promoting education\*\***: Using art as a tool to teach mathematical and scientific concepts in an attractive and accessible way.

- **\*\*Fostering creativity\*\***: Inspiring new generations of artists to explore new forms of expression.
- **\*\*Influencing design and architecture\*\***: Applying the principles of Chromatic Stereometrism in other disciplines to enrich our visual environment.
- **\*\*Fostering intercultural dialogue\*\***: Uniting artists from different cultures and backgrounds around a universal visual language.

## **VI. Chromatic Stereometrism in the Context of Contemporary Art**

Contemporary art is characterized by a diversity of styles and approaches that challenge traditional conventions. While this plurality is enriching, it also generates a certain fragmentation and makes it difficult to identify clear trends. From the perspective of Chromatic Stereometrism, our position is as follows:

### **1. Against Dematerialized Conceptual Art**

We, the Stereometrists, reject the tendency of conceptual art to prioritize the idea above materiality. This dematerialization deprives the audience of a complete visual and sensory experience and underestimates the importance of formal elements, challenging traditional notions of beauty and craftsmanship.

We value form, color, and structure as tangible and essential components of the work. The work must exist not only as an idea but as a visual object that actively interacts, enriching the viewer's perception through the real presence of the work.

### **2. Against Fragmentation and Eclecticism without Cohesion**

We, the Stereometrists, reject the lack of visual cohesion in contemporary art, whose aesthetic language focuses on eclectic interpretations of disparate styles and discourses that fragment the visual language.

We propose a stylistic and conceptual coherence that unifies the visual language, allowing the viewer to navigate in a recognizable and meaningful aesthetic, inspired by geometry, mathematics, and color; while inviting deep contemplation and clarity in visual composition.

### **3. Against Performative and Ephemeral Art without Roots in Visual Language**

We, the Stereometrists, reject the predominance of performative and ephemeral art that focuses more on temporality and momentary experience than on the creation of lasting and detailed visual works.

We propose the creation of permanent visual works that retain and deepen the viewer's attention, through precise and complex geometric composition, for deep and continued contemplation over time.

### **4. Against Art that Seeks Only to Provoke Instead of Elevating Perception**

We, the Stereometrists, reject art that focuses exclusively on provocation or generating emotional shock, whose approach tends to be superficial and transient, reducing aesthetics to a sensationalist resource.

We propose an experience that expands the limits of visual perception, through the exploration of optical illusion and three-dimensional space in a two-dimensional context or beyond these dimensions.

### **5. Against the Disconnection between Art and Science**

We, the Stereometrists, reject the disconnection between art and science, the lack of integration of scientific and technological knowledge that does not explore advances in technology and mathematics as resources for visual creation.

We propose an active synergy between art and science, incorporating stereometry, mathematics, physical laws, and technology such as digital simulation and Artificial Intelligence, to generate novel forms and compositions that reflect a deeper understanding of space and perception.

### **6. Against the Rejection of Form in Favor of Discourse**

We, the Stereometrists, reject the notion that the value of a work resides only in its social or political discourse, and that its aesthetics is a secondary or even irrelevant element.

We propose the valuation of form and color as powerful vehicles of expression that can, in themselves, convey ideas and emotions without depending on an external narrative.

### **7. Against the Excessive Use of Digital Media without Visual Foundation**

We, the Stereometrists, reject the superficial use of digital tools in art, used only as an end in themselves, whose results lack solid visual or conceptual foundation.

We accept and celebrate technology, but with the premise that these tools must be at the service of visual composition, intensifying the interaction between color, form, and perception to enhance multidimensionality and visual illusions.

### **8. Against "Visual Minimalism without Perceptual Depth"**

We, the Stereometrists, reject visual minimalism that takes simplification to empty extremes, sacrificing perceptual richness and reducing the visual experience to the minimum.

We propose an aesthetic of visual complexity to create experiences based on a rigorous structure, which invites exploration and discovery of the deep details of each work.

It is fundamental to understand that Chromatic Stereometrism seeks to position itself as a movement to enrich and broaden the dialogue of contemporary art, rather than confronting it negatively. Consequently, we also propose:

**\*\*Emphasis on continuity\*\*:** We can further emphasize how Chromatic Stereometrism builds on the shoulders of previous artistic movements, such as Constructivism, Op Art, and Kinetic Art. This will help situate our movement within a broader tradition and highlight its relevance in the current context.

**\*\*Commitment to society\*\*:** We can underscore Chromatic Stereometrism's commitment to society, seeking to generate aesthetic experiences that are meaningful and relevant to a broad audience.

## Call to Action

Chromatic Stereometrism invites all artists interested in exploring new forms of expression to join this dialogue and thus enrich the contemporary artistic landscape. Collaboration and exchange of ideas are fundamental for the development of a richer and more complex visual language. As Wassily Kandinsky, one of the pioneers of abstract art, said, "Art does not reproduce the visible, but makes visible what is not seen." Chromatic Stereometrism, by exploring the possibilities of geometry and color, invites us to see the world in a new way and to discover the hidden beauty in the simplest forms.

Proclaiming the arrival of a unique or innovative artistic style may seem bold and, perhaps, does not guarantee a prominent place in this vast universe of creative expressions. However, seeking to unite artists in a movement capable of challenging the monotony of contemporary art, from the conventional forms of performance and conceptual art to installations, the sublimation of abstraction, and other recurring currents, is even more daring.

As the saying goes: "unity is strength." This is how artistic movements of a collective, such as Impressionism, Expressionism, Cubism, and others in their time, emerged and stood up to the criticism and orthodoxy of their era. There has always been resistance to new ideas or techniques in art, coming from critics and institutional powers such as museums, galleries, and art auctions. However, sooner or later, this resistance is overcome.

## Formal Declaration of the Manifesto

### 1.

We, the artists of the Chromatic Stereometrism movement, maintain that our art is the result of studying three disciplines: Stereometry (measurement of three-dimensional geometric bodies), Tessellations (geometric patterns that repeat infinitely and uniformly), and various color theories as channels for emotions and sensations.

### 2.

Our mission is to create works of art that challenge the conventions of visual perception and awaken new sensations in the viewer.

### 3.

Our movement is based on the use of three-dimensional geometric forms and the application of mathematical techniques to create complex patterns and designs in two dimensions, without neglecting sculpture and other disciplines that could enrich this movement. Tessellation is our primary tool for creating infinite patterns with which to magnify the texture and depth of our works.

### 4.

Furthermore, we believe in the importance of color as an essential element in the creation of our artworks, with which we can highlight the complexity and beauty of geometry in nature. Through the combination of different tonalities and saturations, we seek to create an unforgettable visual

experience. The objective is to lead the viewer to a sensation of movement and dynamism in our works.

## 5.

As artists, we seek to go beyond the conventional. We believe in the freedom to use any medium or tool that allows us to create works, including new currents in digital art, Artificial Intelligence, and other technologies in innovative and contemporary ways to explore new methods of visual communication. Instead of focusing on the representation of reality, we focus on creating our own reality that stimulates imagination and perception.

## 6.

We draw inspiration from nature and the forms that surround it, and we strive to recreate its patterns and colors in an abstract and geometric manner. We are interested in experimenting with optical illusion and movement, holograms, and virtual reality, to create designs that appear to be in constant change and evolution.

## 7.

Our three pillars are:

- Stereometry, which is a fundamental tool in our artistic activity. We focus on creating three-dimensional geometric designs that allow us to play with depth and optical illusion.
- Color, which we carefully choose to work in harmony with geometric patterns and create visual balance.
- Tessellation or repetition of geometric patterns, which is the foundation upon which the complete work is developed, whether applied in its different techniques such as origami tessellation on paper or foldable material, on solid tessellated structures, or holographic format, among many other possibilities.

## 8.

We believe that our work should be accessible and exciting for everyone, which is why we strive to create art that is fun and attractive. We draw inspiration from popular culture, music, fashion, and technology to create artworks that are relevant and contemporary.

## 9.

We are committed to the responsible use of materials and resources. We seek to minimize our impact on the environment by using recycled and sustainable materials in our work whenever possible.

## 10.

We will strive to disseminate our vision and message through our works, and we hope that the audience feels inspired and excited by this new vision of art.

## 11.

Our movement is not limited to a specific form of artistic expression. We are interested in exploring stereometry and tessellation in different disciplines, from painting and sculpture to fashion and graphic design.

## 12.

Artists who wish to join the movement do not necessarily have to renounce the style or technique with which they have identified, but rather contribute their ideas and generate works in accordance with this artistic proposal.

### Glossary

- **Stereometry**: Branch of mathematics that studies three-dimensional geometric bodies.
- **Tessellation**: Geometric pattern that repeats infinitely and uniformly without leaving gaps or overlaps.
- **Chromo-saturation**: The use of intense and pure colors to create immersive visual experiences.
- **Kinetic Art**: Art that creates the illusion of movement.
- **Digital Art**: Art created using digital tools and technologies.
- **Conceptual Art**: Art that emphasizes ideas and concepts above form.
- **Installation**: Artwork that occupies a physical space and invites the viewer's immersion.
- **Relational Art**: Art that focuses on the interaction between the artist and the viewer and the creation of communities.
- **Op Art**: Artistic current that uses optical illusion to create dynamic visual effects.
- **Constructivism**: Artistic movement that emphasizes the structure and organization of forms in space.