

The Fundamentals of design from the perspective of biogeometric science and its relationship to human vital energy

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Abstact:

With the developments that man is experiencing from technological, cultural and intellectual development, this has led to an impact on his physical and psychological health. Energy became one of the most important new concepts affecting the human being at the end of the twentieth century, and these new concepts led to linking science to each other to achieve what is better for the human being in terms of his psychological and physical health.

The link between the various sciences of energy and architecture and interior design began, and was reached through biogeometry to the existence of unconscious effects on humans occurring as a result of the effects to which it is exposed of the forms of materials and colors and other visual and invisible effects from areas of the meaning and other radiation, and thus bioenergy sciences, the most important of which became biogeomics, one of the most important foundations for formulating the design elements of internal spaces as they are from The most important tools to influence human health and bio-psychological balance and improve the functioning of vitality and functionality through the use of geometric shapes and energy of color and raw through oscillation relationships translated into angles and engineering relationships, through the form can introduce organized energy and functional rebalancing.

This science employed geometric shapes in interior architecture and furniture designs to create balanced interior spaces. Avoid sharp corners in the design because of its problems affecting the design quality and energy of the interior vacuum.

Keywords:

Biogeometry, bioenergy, formation fundamentals, design elements, structured energy.

Introduction:

Biogeometrics is one of the most important modern biological sciences due to its strong positive impact on human energy by providing solutions to create positive energies in order to avoid the negative energies around the person that limit his energy and ability to function and psychological performance.

When the researchers discovered this modern science in the sixties, they laid special foundations for the designer to follow and employ them in architecture and the space of the internal spaces in particular to work on improving the quality of the energy of the internal space in general, based on qualitative physics.

Search goal:

The research aims to shed light on biogeometrics and its impact on interior design in order to obtain internal spaces with balanced energy.

research importance :

Finding relationships between the foundations of biogeometric formation and the elements of interior design by employing materials, shapes and colors to create a balance of energy within the space.

Research hypotheses :

Work to improve human performance in the inner space through the use of the formation foundations of biogeometrics.

Research Methodology :

The inductive approach through books, references, and scientific theses. And also the descriptive analytical approach through analyzing the elements of inner space from the perspective of energy sciences and their impact on the vital balance of man.

Procedural steps for the search:

First: a brief history of the history of biogeometry.

Second: Principles of design through biogeometrics.

Third: the energy of geometric shapes and their uses in interior design.

Fourth: the colors used in the interior design elements.

Fifth: Applications in architecture and interior design through the principles of biogeometric design and geometric shapes.

Research Results :

1- Using the science of bioengineering of geometric shapes in interior architecture designs helps to create balanced interior spaces in terms of energy.

2- The use of sharp corners in interior design causes problems with the energy of space.

3- Careful selection of colors, angles and proportions according to bioengineering positively affects the energy balance in space.

4- Studying the activities in each space and linking them to the energy centers of the human body (the chakras) leads to creating interior designs based on the targeted chakra.

5- The use of biogeometric proportions in interior design achieves a balance for the energy of space.

Recommendations:

I recommend researchers and designers in the field of architecture and interior design:

- 1- By studying the foundations and principles of bioengineering design and its sciences in order to avoid negative effects on the occupants of the internal spaces.
- 2- Inclusion of bioengineering principles in the Egyptian Building Code

References:

- 1- asalam rafat muhamad almursi - dawr manahij altasmim albiyyi fi almakhatir alghayr madiyahat alati tuhadid sihat alansan dakhil almabnii - risalah majistir - kuliyyat alhandasat - jamieat almansurat- misr -2007.
- 2- asalam muhamad alsayid aleudi - altasmim allawniu lilfaragh aleumranii - risalat majistir - kuliyyat alhandasat - jamieat alqahirat - misr -2016.
- 3- dalya- aihmad alziyini - dirasat litatbiqat altaaqat alhayawiat fi altasmim almiemarii lilshuqaq alsakaniyat fi marhalat alaishghal -alrisalih majistir - kuliyyat alhandasat - jamieat alqahirat -2010.
- 4- duea' shandi shandi abrahim: "jadaliyat alshakl waljadwala" - dirasat tatbiqiat fi alshakl almuqadas lilkaebat alsharifat waldilaq al'alqisaa wal'ashya' fi alshakl alharimii 'alhiramat aljizat - risalat majistir - kuliyyat alhandasat - jamieat alqahirat - qism alhandasat almiemariat - 2011.
- 5- samir hamuwdat aleimarat - manzur min manzur altaaqat alhayawiat - dukturah - kuliyyat alhandasat - jamieat dimashqa- suria -2017
- 6- muhamad eabd albari wafa - tathir taqat al'ard ealiu aleimarat - qism eimarat - funun jamilat - jamieat alaskandariat - misr 2009.
- 7- nadiat fathi shabib - alnashat alhayawiat - bahath manshur- majalat altarbiat - almajalat alwataniyat majalatan liltarbiat w althaqafat w aleulum.

- 1- Ibrahim Karim: Back to a Future for Mankind- BioGeometry Consulting Ltd-emerald publishing – Egypt – 2009
- 2- (Jerry Gin - The Science of Biogeometry, Cosmos and History: The Journal of Natural and Social Philosophy- vol. 11- no. 2- 2015.
- 3- <http://biogeometry.com.eg/>
- 4- <https://www.designboom.com/design/alexandre-moronnoz-urban-seating/>