

The TK Scheme of Proportions of the Person

The Scheme

Kim Lloveras i Montserrat 2025

The TK Theory of Visual Proportions.

The project wants to relocate the Person, forgotten, cornered, despised protagonist, in the place it should always occupy in urban planning, architecture, design. It is based on my studies of We-are-not-so different (<https://www.espaistk.eu/teories/teoria-tk/teoria-tkviii/>) and my work as a professor at the UPC.

Abstract

It is the always new and old PARADIGM: THE EYE OF THE PERSON.

We, architects, whether we like it or not, make transformations in the environments in which we act, which cause transitions of meaning for us, the Persons.

That is why it is important to know well what our particular mechanisms of visual perception are as well, as what our own proportionate measures are. We are not so different from each other. In this way, we will be able to perceive our environments in a more personal, more acute way and have tools that we use more carefully and understand how, whether we like it or not, our actions cause transformations in our inhabited or natural environments.

The TK Theory of Visual Proportions (<https://www.espaistk.eu/>) helps us to know the particular vision that we are.

The Proportion TK of the Figure of the Person. He once again places the Person, a forgotten protagonist, cornered, since Le Corbusier (LC), in the place it should always occupy Roger Aujame, Secretary of the LC Foundation, wrote that LC would not have been insensitive to the visual measurements of TK Theory, because the measurements of the Modulor do not take into account the vision of the Person, the place from which we perceive the world.

Written statement

The visual work that I present responds to the studies carried out over many years of my TK Theory of Visual Proportions (<https://www.espaistk.eu/>), to the study of the Proportions of the Human Figure specified in NO-som-pas-tan diferents (<https://www.espaistk.eu/teories/teoria-tk/teoria-tk-viii/>) and to the publication *Esguards Docents* of the UPC (<https://upcommons.upc.edu/handle/2117/347429>).

All three have been collected in publications of my University, the UPC, of which I have been a full professor for many years.

In the three works mentioned there is an underlying idea: We are People and, as such.... and as architects ... We must be aware that everything we project affects the way that other people will perceive the world in which we act. What we do is always inserted in the real world, either to act in a space built by others, which has qualities that we want to reaffirm or change, or because we have the opportunity to act in a "natural" space in which we will be the first to leave our mark.

I have always believed it necessary to understand how our visual perception of the space that surrounds us is produced, to know what our mechanisms are.

Obviously, it is through our eyes that we see, but it is also very important to think with the measurements of our own body, where we have our eyes. The whole thing belongs to us.

The fact of seeing a space standing or sitting conditions its limits in which we see better, where we feel inside, and the rest that we perceive that surrounds it.

That is why, in addition to thinking about the TK Good Vision Cone that we enjoy, as People, it is also necessary to think about our measurements located in a predetermined, specific place within it.

The 10 figures attached to this paper are intended to represent the different ways in which our visual measurements can be taken into account

In 2018 and 2019, the Architects' Association of Catalonia supported an Exhibition of Medieval Light. La Portalada was installed where visitors could experience entering and leaving the spaces and, in addition, be able to contrast their measurements with the TK Measurement Scheme. That is why it should also be done in Congress, otherwise it is very difficult to understand.

Contextual Information

10 images that describe the most important thing to insert TK Theory as Critical Design.

In general

Everything can be seen/read on my website <https://www.espaistk.eu/>

P1

Beginnings of the TK Theory of Visual Proportions 1

P2

Beginnings of the TK Theory of Visual Proportions 2 - Jerzy Soltan and Roger Aujame

P3

From the beginning I tried to understand the relationship between the measurements of the Person and his Good Vision Cone TK.

P4

Development of TK Spaces Types

P5

Development of TK Measurements of the Person's Body

P6

2012 The Gratt Depth experience carried out at the ETSAB

P7

2002 2005 MATGAS Explanatory poster in the Hall

P8

The Proportionate Measures TK are valid for Everyone. The Penalty Point in Sports

P9

At the Jordi Capell Architects' Cooperative of the COAC Barcelona you can find the TK Figure and Medieval Squares.

P10

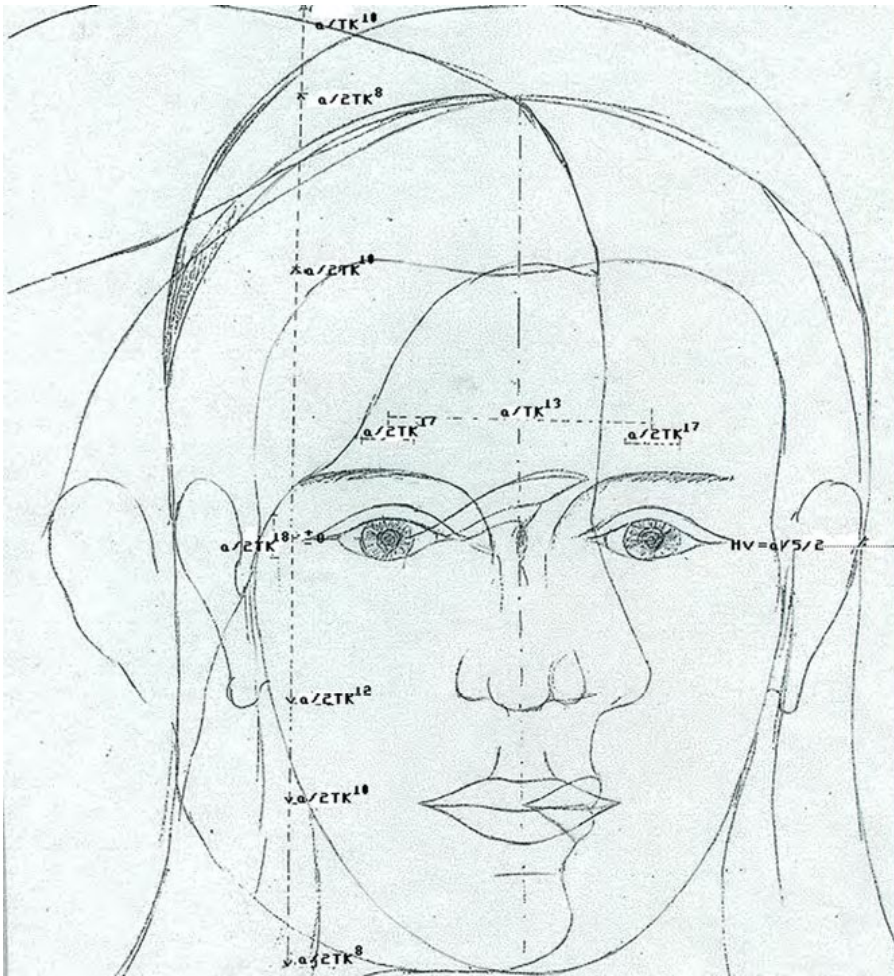
It is requested to put the Portal back in Congress

Video

<https://www.espaistk.eu/teories/teoria-tk/teoria-tk-ix/>

All of these didactic experiences I have done for my students at the Barcelona School of Architecture, Polytechnic University of Catalonia (UPC) over the many years that I have been teaching. They are experiences linked to the TK Cone of Good Vision, the TK Connectors of Spaces, the TK Movement, and the students' own construction of the TK ellipse.

Image 1



seleccionat concurs mundial de joves arquitectes de la UNESCO
 sélectionné au concours mondial des jeunes architectes de l'UNESCO made in Paris
 selected in the world competition of young architects of UNESCO made in Paris

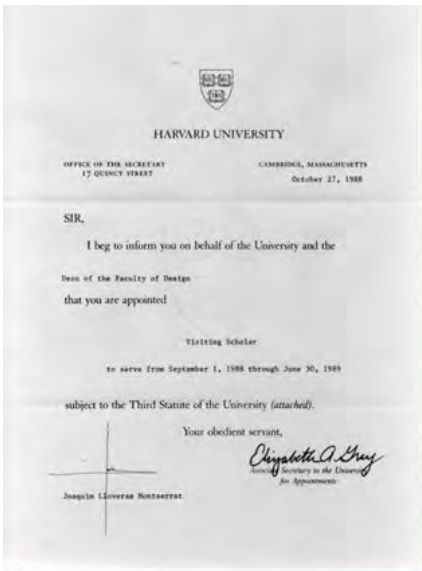
From its beginnings, when in 1984 I was selected by the Spanish state as a representative for the UNESCO world competition "The Habitat of Tomorrow", held in Paris, the Good Vision Cone TK and the measurements of the Human Figure have been intimately related.
 Both things gave us the way to get to know the Person

TK Theory 1997 TK Theory of Visual Proportions in Catalan.
 Great summary of everything that has been studied in the TK Theory of Visual Proportions.
 It has multiple applications, from the knowledge of what the Visual Fields are.
 Direct colours and internal colours. Fusion. The Global Scheme of Visual Perception.
 TK Geometry. Where is the Centre of Space.
 The Medieval Circular Cone of Good Vision and our real Elliptical Cone of Good Vision.
 To what extent can the TK Theory be applied, and many more things.

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Teoria TK de Proporcions Visuals
 Théorie TK des Proportions Visuelles
 TK Theory of Visual Proportions
 Teoría TK de Proporciones Visuales

Image 2



Paris, 13 September 1989
 RAJDC 890628

Monsieur Kim Lloveras | Montserrat
 Architect
 Caponata 5, ent2a
 E-08034 BARCELONA

Dear Sir,

I have read your study with great interest
 On the TK theory of visual proportions.

It certainly paves the way for research on
 Spatial measurement systems provided. The reference
 Le Corbusier's Modulor is relevant since the principle is
 It is also based on human measurement and the golden ratio. But
 TK theory goes further with the three-dimensional concept of a
 based on the person's own vision. I
 I am sure that Le Corbusier would not have been insensitive to a
 this study.

We provide you, with your permission, with the French copy of your
 Study in the Foundation's library, available to
 Researchers.

With my thanks, please accept, Dear Lord,
 The security of my distinguished feelings.

Roger ALJAME
 Secretary General

THE LE CORBUSIER FOUNDATION RECOGNIZED AS BEING OF PUBLIC UTILITY
 8 SQUARE DU DOCTEUR-BLANCHE 76018 PARIS TEL. 42884163
 FAX: 42883317

RECIBIDO

Paris, le 13 septembre 1989
 RAJDC 890628

Monsieur Kim Lloveras | Montserrat
 Architecte
 Caponata 5, ent 2a
 E-08034 BARCELONA

Cher Monsieur,

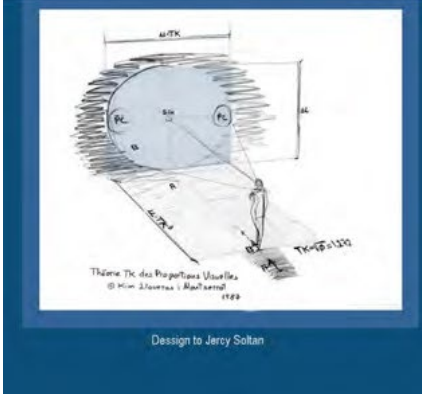
J'ai pris connaissance, avec beaucoup d'intérêt, de votre étude
 sur la théorie TK des proportions visuelles.

Il est certain qu'elle ouvre la voie vers des recherches sur les
 systèmes de mesures spatiales proposées. La référence
 au Modulor de Le Corbusier est pertinente puisque le principe est
 lui aussi basé sur la mesure humaine et le nombre d'or. Mais
 la théorie TK va plus loin avec le concept tridimensionnel d'une
 mesure visuelle fondée sur la propre vision de la personne. Je
 suis sûr que Le Corbusier n'aurait pas été insensible à une
 telle étude.

Vous remercions, avec votre permission, la copie en français de votre
 étude à la Bibliothèque de la Fondation, à la disposition des
 chercheurs.

Avec nos remerciements, je vous prie d'agréer, Cher Monsieur,
 l'assurance de nos sentiments distingués.

Roger ALJAME
 Secrétaire Général



THE TK THEORY 1984/87 The Good Vision Cone and the drawing by Jerzy Soltan

The jump from this rectangular background to the cone of vision that included it was almost immediate.

This is how the TK Good Vision Cone emerged.
 The first use of the TK Good Vision Cone, and the first support, was in 1984
 when I was selected to represent Spain in the world competition "The Habitat of Tomorrow",
 convened by UNESCO in Paris, very far from what was asked ...
 was made in full agreement with the results of the Theory that began ...
 I only proposed how one could "think" the spaces to be enjoyed by People ...
 from the access roads to the habitat to the most intimate place for the Person ...
 passing through collective spaces ...
 I already took into account the importance of this privileged area of vision
 that is the Cone of Good Vision and its influence
 to help us define our spaces in a way that is close to us.

In 1987, Jerzy Soltan, professor emeritus at Harvard,
 asked me to synthesize the entire Theory in a single drawing ...
 if the Person is placed in A, even if He sees a hole of light "He feels" inside A, of the darkness ...
 but if She reaches B, even if her body is inside A ...
 She "feels" to B, in full Light A step forward had been taken ...
 had understood that the Cone of Good Vision is where we "feel"

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Teoria TK de Proporcions Visuals
 Théorie TK des Proportions Visuelles
 TK Theory of Visual Proportions
 Teoría TK de Proporciones Visuales

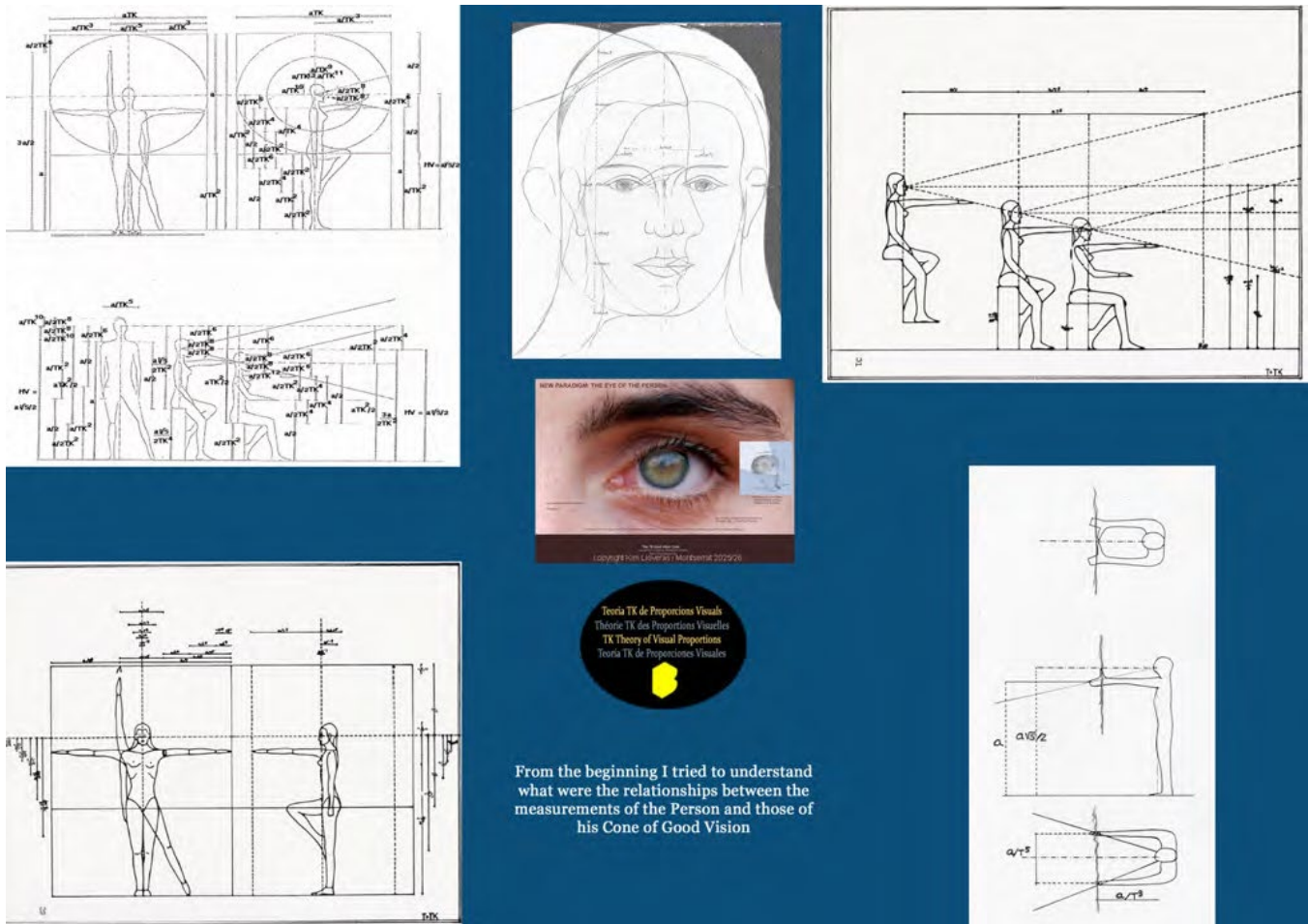
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Image 3



From the beginning I tried to understand what were the relationships between the measurements of the Person and those of his Cone of Good Vision

Image 4

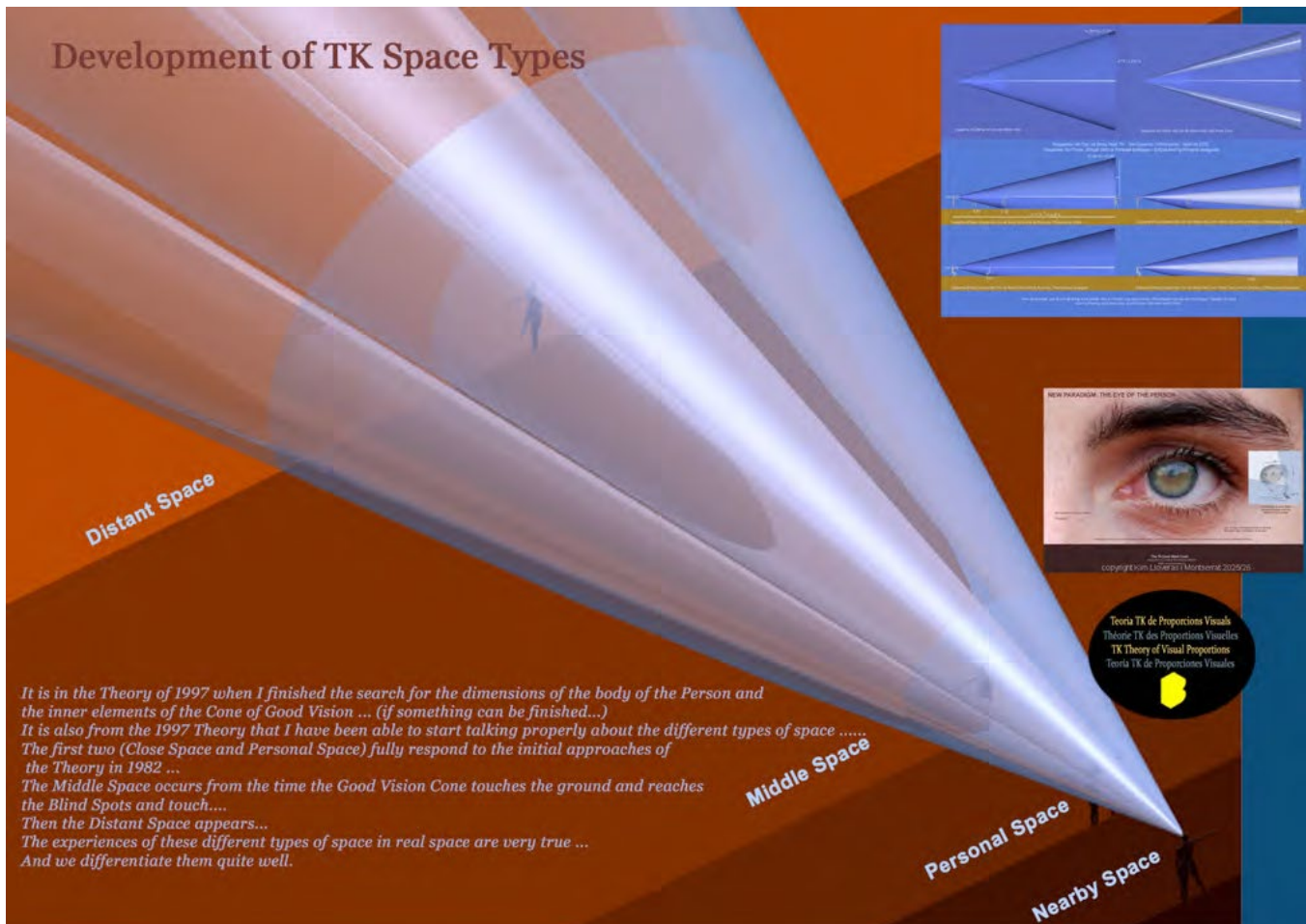


Image 5

Model 2014 de l'Esquema TK de la Persona
no som pas tan diferents - nous ne sommes pas si différents - we are not so different - no somos tan diferentes

Model 2014 of the Schema TK of the Person

Model 2014 de lo Esquema TK de la Persona

Model 2014 del Esquema TK de la Persona

l'Esquema TK està en relació amb la propietat bàsica de l'observació TK que consisteix a veure el món tal com és i no com ens voldríem que fos.

en a partir dels nostres ulls que podem gaudir el món... en a partir de l'Àlgebra Visual (la distància dels ulls al terra de la Persona despenja) que la Teoria TK de Proporcions Visuals ofereix les mesures fonamentals de la Persona.

it is from our eyes that we see the world... it is from the Visual Height (the distance from the eyes to the ground of the Person standing) that the Theory TK of Visual Proportions offers the key measures of the Person.

TK-01-0312-4-2220196

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Development of TK Measurements of the Person's Body

I have studied in depth the measurements of the Person according to the series of measurements that emerge from the TK Theory until I proposed measurements for the TK body of the Person. First, I made it on paper, to real size; then I made it in "foam board", and, in the end, I have done it computerisable ... of course, always maintaining the representation of She in two perpendicular planes, the frontal and the lateral plane. I created the website "We're-not-so-different" in which the current model of the body of the Person according to the TK Theory is exposed. The experiences made over the years with students confirm the validity of the proposed model.

I have also studied a lot the relationship that exists between the figure measurements of the Person and those that the three-dimensional scheme TK gives for the real space TK provided from his Visual Height... and I have seen that the body measurements of the Person by real space respond to their "visual" measurements, those that She expands by the perceived space ... from the largest measurements of his body, to the smallest

NEW PARADIGM: THE EYE OF THE PERSON

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no som pas tan diferents

Teoria TK de Proporcions Visuals
Théorie TK des Proportions Visuelles
TK Theory of Visual Proportions
Teoría TK de Proporciones Visuales

Image 6

Experiència de la Gran Profunditat al Hall de l'ETSAB
Teoria TK Proporcions Visuals 2012
Conveni Col·laboració Fundació Joan Miró - UPC, 2012-2014

de nostre punt de la vista el que limita espacialment... comença des d'afegir la a la gran profunditat
for our perspective point to Total Horizontal... the Distance

In 2012 the Great Depth experience was carried out at the ETSAB. Within the Collaboration Agreement between the Joan Miró Foundation, of Barcelona, and the Polytechnic University of Catalonia - UPC, for the years 2012-2014. The Great Depth is one of the great echoes of TK Theory. This made the Observers of the experience see movement where a static photograph had been taken.

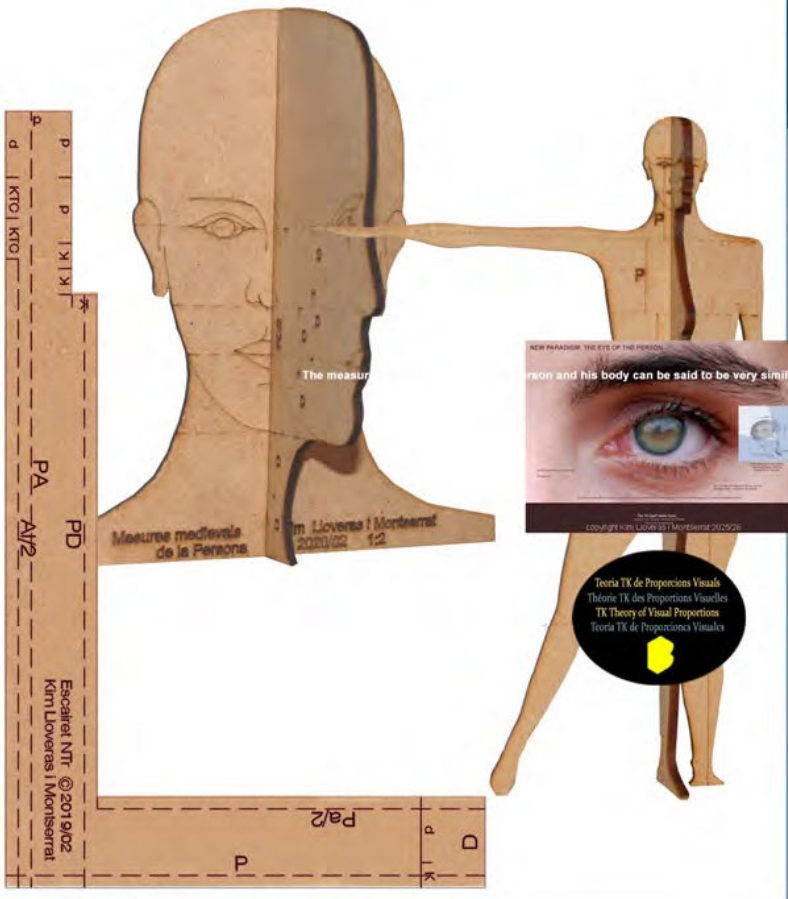
NEW PARADIGM: THE EYE OF THE PERSON

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Teoria TK de Proporcions Visuals
Théorie TK des Proportions Visuelles
TK Theory of Visual Proportions
Teoría TK de Proporciones Visuales

Grup de Recerca: EDPA - Departament d'Expressió Gràfica Arquitectònica I - UPC
Conveni Col·laboració Joan Miró - UPC (2012-2014)
Responsable Experiència TK: Dr. Kim Lloveras | Moment 2014 - Responsable Fotografia Gran Profunditat: Julià Tobarres Torras - Col·laborador: Joan Miquel Escuder
Responsable TK: Susana Torres Junquera

Image 9



At the Jordi Capell Architects' Cooperative, in the Barcelona College of Architects, you can find the figure of the body of the Person (front and side) on a scale of 1:10 and the Face of the Person (front and side) on a scale of 1:2. Also medieval squares.

2 Escaires medievals NT

mesurar amb escaires lo medieval - mesurar with squares the medieval
 mesurer avec escaires le medieval - mesurer with squares lo medieval

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<http://arquibcn.com/>

Els Maestres d'Obra medievals vanen usar escaires semblants a squares NT. Els seus cossos contenen les mesures de l'epoca i no permetran trobar les $\sqrt{2}$ o $\sqrt{5}$ a Pa/2. Al mesurar amb ella els elements de l'arquitectura romanica i/o gòtica es troben les relacions geomètriques entre les distàncies unitats medievals de mesura.

A tota l'Europa continental cristiana foren les mesures.

Medieval Constructors used squares like these. In addition they contain the measures of the medieval period and they will allow you to find the measurements used in each building. You can measure with them the elements of Gothic or Romanesque architecture and also find the geometric relationships between the different medieval units of measurement.

They were the same all over continental Europe Christian.

Les Chefs d'Œuvre médiévaux utilisaient des équerres comme ceux-ci. Ses côtés contiennent les mesures de la période médiévale et ils vous permettent de trouver les mesures utilisées dans chaque bâtiment. Vous pouvez mesurer avec eux les éléments de l'architecture gothique ou romane et également trouver les relations géométriques entre les différentes unités de mesure médiévales. Ils étaient les mêmes partout en l'Europe continentale chrétienne.

Los Maestros de Obra medievales usaron escuadras semejantes a estas. Sus lados contienen las medidas de la época y le permitirán encontrar las medidas en el edificio. Más que ellos las elementos de la arquitectura románica y/o gótica y encontrarán las relaciones geométricas entre las distintas unidades medievales de medida.

En toda la Europa continental cristiana fueron las mismas.

Image 10



Visual Experiences of the Good Vision Cone

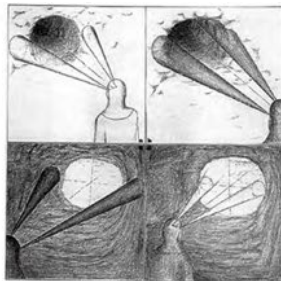


Fig. 6. La gènere, la variació, la persona.

The fact of entering and leaving has been constantly contrasted over many years. Blind spots give us the threshold from which we can feel outside or inside a space. You can check it when you are in a tunnel, as I already explained in CITEAUX- commentarii cisterciensin 1993 in my Communication La Lumière a Sénanque... or in many Experiences made at the Barcelona School of Architecture ... or in the Exhibitions made with the support of my College of Architects of Barcelona

