

Our eyes towards the waep??] By Mark Changizi

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I have sparked your interest in this book, after reading the eyes of birth was Andrew Parker 着 So cute for a child's own often expressed by 'twinkle in the eye, not my pups' If the yen, the sensation of the eyes is so delicate than any other parts of the body, a lot of pain because they feel love for the child, expressed would be to Cambrian species, especially as an evolutionary biologist, Andrew Parker No, the door (phylum) of the big bang end 5 billion years ago, the birth of the 'eye' comes from, and without snow, according to the relationship between predator and prey species diversification is not warrant, and the later emerging all things that people can also be had. Eyes entirely sympathetic to the idea, and we are so taken for granted that life or tactile taste far superior sense of smell, etc. than is possible, the amount of information that our brains handle 80 through the eyes, do research on the human body the most important think you need to have a brain and eyes. Underlined as would properly read books from the library than the base of Chancellor Mark accidentally book titled 'towards the front of our eyes, why?' Report, rather than borrowing, be on the lookout finally read ...

Translation of the application tries to read, but yeouichi wont have purchased Articles published in 2009, but domestic only until last summer, came on the market.

If you read into the application, would have been fascinated by the author of colloquial humor and his distinctive accent, the almanac also not far behind, seems faithful to the tone of the author trying to convey. Subtitle like cracking when immersed in 'to the point' I'm not just as a big problem, first I change the subtitles font gothic or like in the old days' desperate 'font key is difficult at first to adapt, watching foreign movies usually translate to' soon adaptation, Mark Chan extensive base of knowledge and was fascinated by the theories and insights.

Why our eyes towards the front? '

Naver Knowledge iN asked if the answer would come out? Knowledge iN's a fairly decent site, so it questions Are you? Hull ~ "expression of the reaction was the other day, but I 'peacock's tail wings yen Why' eyes (eye) appearance ie眼状纹? ' Naver Knowledge iN limits had never felt hollow echo, but never called water. And did not have an answer for goodness 'red' blood can flow in our veins, "Why blue veins of the skin, heightening towering do you see?" ...

This is no matter, there was no reason to check the importance of the book now, in the era of interactive delivery of net culture and the spread of knowledge advocated. Advanced information on the Internet, get a deep knowledge that difficult ...

Academic development and broaden the horizons of knowledge such愚问because there would be "Well, should depend on the snow kicks're one?", Usually people just for the eyes of omni-directional, no curiosity or question will not. Our head in the top of the body, though not to the features of the Control Tower, and the appearance of the brain 'cloud' representing the appearance of being thought of mujeonghyeongseong representation of nature. But they were also called bullshit fireside disparaged.

Mark Chan bases, such as Richard Dawkins and evolutionary scientist and neurobiologist, and math is a figure in the continuity. Tail, particularly in the geometry, without regret bonjeo Chapter 3 'spark illusion to our eyes, why?' Exert his math skills, and so-called non-Euclidean spherical geometry to introduce our eyes, resembling a 'crystal ball' why things Seen fisheye lens expression 'must' to refraction and distortion clearly explained. My original title, 'The Vision Revolution', and why our eyes towards the front? 'Domestic translations of book titles bonjeo as the title of Chapter 2, to increase domestic sales heungmiseong title was.

○ 色

At school, the color of the three primary colors red, yellow, blue ... And light it ppalkkang, green, and blue. Now even questioning was yellow and green ... Why the middle of the red and blue to match the yellow and green, respectively? For an explanation of this was nowhere As if the amount of the axioms of mathematics,

too outrageous when asked if it belonged to. However, Mark Chan, the description of such analog base is described using as a circle. NESW (clockwise) the vertices of each blue, red, yellow, green .. When you do this, I had questioned the presence of a yellow and green will enter the 'Round Table' in primaries. Bases, and Mark Chan primary color is the color of the original color rather than adulterate these representations, and the color of pie.

However, the

Why we humans see color? Dogs, but I can not see the colors .. And I can not possibly understand the meaning can not distinguish colors. Number within a table showing the red dot / green dot, that is commonly found in men from the green colorblind in the department of ophthalmology mixed Ask your child to tell you when I say the number without difficulty, was diagnosed with 'normal'. Test and this is so insignificant he considered. However, the so-called '三色视(trichromatic vision)' of our eyes, optic 3-piece set of red-green abstract object that lacks pass the color blindness test is does not. If so, the cheonghwang cones? 二 compared to insects, fish, birds, mammals, most of the colors tteoleojindago to色视dichromatic vision 'you only have enough breeding survival hydrate. Green leaf lobes roksae representative colors of nature, but especially because of the carnivorous mammals eat other animals for Me so are not of interest is the reason why (?) But Homo sapiens Earns like a tiger or hyena is not satisfied, the exotic city developed upper body until the nokchu reason, evolutionists thought righteous fruit regimen canst. Evolutionary pressure to identify the ripeness of these colors came from many kinds of red fruit (apple), yellow (banana).

Either human or insect, and a sense of color on issues concerning the living man of brilliant colors, outstanding cultural and artistic possible is talking about the fickle nature of the byproducts Iran.

But look at the outstanding work of Michelangelo's fascinated by its amazing colors, noble people, not merely a byproduct of evolutionary and will display a strong aversion. Survival 'problems' and 'cultural sublimation' is divided into a low-dimensional higher-order seems to do not properly understand the evolution of the shalt days.

But,

Homo sapiens 'superior' color is not something to be proud of bees or birds in front of the line. 四色视tetrachromatic vision beyond the tri-color during an armed one, is out of flowers to lure them 'hidden' color in response to the spread of the花粉, which can be viewed by anyone in the colors of the spectrum (400 to 700 nanometers). even the so-called ultraviolet reaction, and the pattern does not appear to the naked eye when shooting flowers with a special camera and actually witnessing the punishment here 'fascination'.

What does 'see' colors?

In fact, nature itself, there is no color. 'Equivalent' to the color of our brain works. In other words, the 'tag' on the world and everything in it per frame paste just trying to help in the survival of the human will. I did not understand it. 'Natural colorless' concept But that is a colored reverse is also colorless.

That we perceive things as possible, the reflection of the sun's rays on the subject, which still do not understand metrological other words nanometer wavelength of light washable Juno chopi Nambour in the spectrum of the rainbow, each color of the wavelength to measure. Shortwave medium wave the red, yellow / green, and longwave blue .. 'M / Bo' convenience, the primaries did not fit in the long-wave in the excluded. Longwave medium frequency long-wavelength means literally short-wave and long lasting than The blue color of the sky longwave leaving only reason that is the reason why. Hull ~ I write despite its readers seemed to want to not understand.

Things that are not natural luminary by the reflection of the light, we finally 'seeing', yellow bananas emit only yellow wavelengths absorbed and all the rest that is the reason why. But I still understand the natural colors do not. Such a lack of understanding of the key in the end of the eye, which can be found from the secret driving the aforementioned additional torso nine minutes in three species: S, M, L, responsible for coordinating the colors of the S cones shortwave longwave L cones it and M cones, presided over by the middle, the pupil as the subject here in the optic nerve randomly received the flame repellent work we Dunno hypothalamus sends in there and the retina in the 'upside-down' phase concludes, 'banana (yellow) is looking to recognize that.

Talking about or seeing 'immediately', and listen to Unlike Homo sapiens evolved through 7,000,000 years Earns learned valuable results. And literally, rather than artificially trying to see as an act of instinct, control information necessary for the survival throughput of 80. The eyes of the body as much important institution.

Coevolution '(?)' Is the product of the eyes and color.

o **omni-directional snow**

What if you like a frog in the mouth of the Amazon, the eyes of men? Hell because of some evolutionary pressure have put it in my mouth. Hsinchu mosideut frog to do? Eyes are so important, do you put in your mouth write a selective basis, it is like a jewel bestowed. Between the lover in the window of the eye of the mind, to do that you must open the mouth to see momgaegeu.

However, because the lizards' eyes parieto one, there is little snow on the inside of the body in animals. Be out of the body, seeing it convenient to do, why they can not put in your body. Eyes, no matter how delicate and fragile that even the area outside of the body and, of course, must be light on the importance of eye of course on the face should be.

But why does a? Function properly, but the eyes have one fearsome like the Cyclops of Greek mythology, legend will not because Two convenient than one

'spare', but it is not the concept of spare Eyes with Peter Pan to have one eye, of course, pirating ten thousand good Quoc captain, but he always vulnerable had to. Eventually the absolute superiority of the two eyes what should Season fashion 90s 'Magic Eye' was vividly proved the usefulness of 眼兩 'Solidity' perspective. But the 100% match two figures together, but this is slightly different look in the Magic Eye solidity survives. Is the mystery of this binocular. Glabella is to say, the area of the nose where placed eyes from side to side to see each angle a different 'view', Jean phases formed on each eye, the optic nerve in a convergent brain interpretation rain. Only one eye received the award, not just two-dimensional view, the view in the other eye received solidity to be alive. But this solidity Why so important? Calculate the distance of 'It' is all because of the move animals 云动 self means moving like that is the reason why you need to measure the distance to the subject. This is why the one-eyed than normal impediments to slam big.

I'll let it go, and the necessity of bilateral But omni-directional forward, guess what? But still, look at the shape of the eye of herbivores influenced not omnidirectional like we all face next batch is. Therefore, each having a 180-degree view that will have both the left and right before and after viewing the excellent visual, huh? People, on the other hand, is about favorite kicks carried hammer helpless. Great no matter what is the omni-directional binocular binocular, such as chicken and side byanhang better ahnilkka? This evolutionary backwardness of all things to do with the warrant did? Come to think of it, I called the king of beasts tiger humans and omni-directional binocular. They are caught eating tigers 'Herbivores' care does a 360-degree perspective? I have the answer right here. A 360-degree perspective of herbivores 'boundary' saying. When sprung carnivorous animals do not know the corner of my eye (?) .. No need to talk openly sees right. Anyway, he also had a vision Herbivores 360, even if the predator's stereoscopic vision is not so enviable.

Anyway, the people of the omni-directional bilateral pressure stems from the evolution of the highly carnivorous animals like the tiger, if not we need to have a three dimensional visual identification and three-dimensional distance vision to secure the survival and reproduction in the evolution of pressure absolutely followed geureotdaneun ...

o illusion

Movie yamalro illusion. It is a two-dimensional plane, 'Motion Picture' award screens beamed to the audience while making three-dimensional recognized as Breathless situation the protagonist is being chased by the villain, When the train away from the scene as the second cut of tens of reflection on the screen. Naohneunga, the feeling of reality as it passed, but look at each cut Digest Singh geopgi do not match. Finally, stop the screen quickly, showing several cuts that

will dazzle the eyes of the audience. It is an optical illusion. 3D Movie 'omni-directional binocular described above take full advantage of the benefits of receiving the Admission of illusion one step ahead of amusement.

Our eyes separated by more salpimydon beads elder brother, it is a complete unknown. Looking through the glass beads glass beads have to seriously look is refracted, flat clear parallels drawn, but when you see a picture of a piece of paper or letters of two straight regions tend to be bulging, narrowing at both ends to see.

Then the pupil plane without convexity What is the reason? No evolutionary pressure do work? Planar Eye refraction of parallel, through the above-mentioned glass beads will not In fact, can be seen as talking. But sees 'truthfully' the survival is not such a big help to the nature of the 'decision' seems

First rectangle has the advantage that you can see a wider area than flat-Eye Eye. This fisheye lens to take panoramic photos with the same reasons.

And our emphasis on the characters of the animals '动', as the animal is a constantly moving creature, occupying 80 of the information processing requirements and the need for the evolution of the so-called 'future' of the eyes.

Mark Chan base is described by emphasizing part of this very 'See the Future', the the external subject we reported that the brain interprets it time It takes 0.1 seconds and 0.1 seconds seem that great to stones 10m move to second, even if the 0.1 seconds travel distance more than 1m .. Pebbles appear before your eyes the moment that ~ uh bamteng snow earlier than if visual skills are required. Calculate the speed of stones carried through the optic nerve head and in the position of the anterior 1m pebbles 'should' does not hurt. In other words, by the necessity of survival, such future is required. Mark Chan base, it was elevated to the psychic.

Eye advantage of spherical flat eyes, and far surpass the rectangle to be the future where possible.

Survival at the level of the illusion of the older pupils never illusion is not. Moving on tiptoe wearing red boots and the wings flat drawing on the dynamics and therefore can not be reflected to our eyes to work in three dimensions, at best, carrying to the sky, Superman must look at the fluttering copper processing only to complement the dynamics.

Resembling letters \circ natural

Thus, we should constantly in order to survive. Retina formed on the nature of the award, not,, it fisheye renjeuyi refraction Whether tirelessly until his death subject to analysis.

Compared to humans and other animals, the superior point of the character the ability to use, which in the history of human character arises 7,000,000 years very recent days. Therefore, does not remain in the gene led to posterity. In other

words, the characters, learning ability, but the instinct of age. Says as soon as the baby is born, do not write it.

Mark Chan base decisive human life is much more advanced than other animals that can live the experiences of the characters, as described to be able to communicate with the dead who the character Randa. That is right. Prolific teacher Yak (1762 ~ 1836) who died 200 years in the past now that you can read his posthumous mokmin simseo force that character.

But the character is different from the illustration. Figure and the target that you want to, no matter how abstraction even of the characters, but what if you only have just a few strokes, which means a huge brushstroke can be represented. The symbols and metaphors that floated this be the shape of the letter 'A' in the case of, for example, only three strokes. All letters within three strokes of the alphabet that half of humanity (?) To look at the underlying collateral, if the yen strokes of Chinese characters, but very not so many strokes can be seen. Posts creating any country very basic, with only the number of the character to use human decision-barrel.

Use ideographic characters such as Chinese characters, in most countries, except the phonetic alphabet. To draw as well as a combination of strokes, as mentioned earlier, in order to minimize communication, listening, based on writing to comply with phonetic characters to reflect phonetic alphabet. But things like that often found in the phonetic alphabet. For example, cows 'pine' will still look at the shape of the tree, 'the body' depiction of the head, neck torso seemed produces an illusion. Representative of the phonetic alphabet in English, such as 'eye' eyes on the sides of the nose seems to depict, in fact, you can see that the children learn English in this picture book characters like 'table' interpretation and education. That these mysteries to find the shapes of the letters in nature and have fun for a lifetime devoted to the study.

Mark Chan base, constantly observing our human nature for survival and reproduction, and invented characters to find it through my symbolism and metaphor, there is the so-called visual symbol characters, and discover the natural characters such briefly describe Randa. Create other letters L, Y, X, and it is transformed to a representative had.

Base, Mark Chan has kept me on the other side of the evolution eyesight.

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