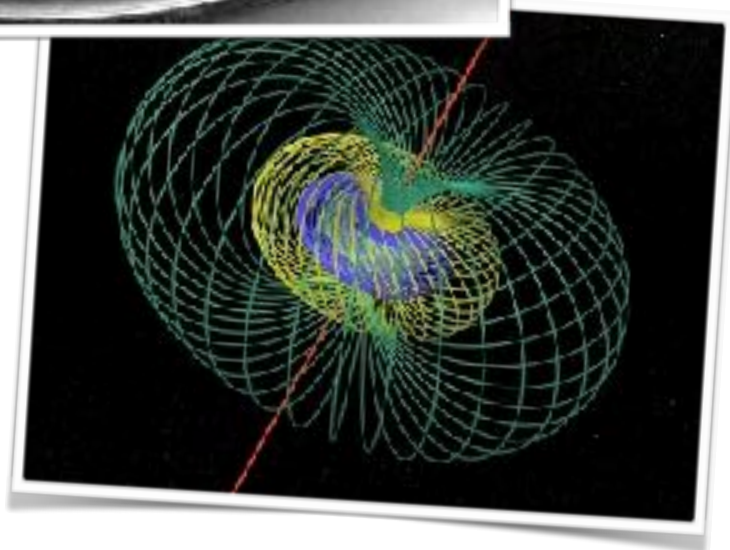


Math obsession

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Quotes and quotes

"I do not feel obliged to believe that the same God who has endowed us with senses, reason, and intellect has intended us to forgo their use and by some other means to give us knowledge which we can attain by them." - *Galileo Galilei*

"Philosophy i.e. nature is written in that great book which ever is before our eyes - I mean the universe - but we cannot understand it if we do not first learn the language and grasp the symbols in which it is written. The book is written in mathematical language, and the symbols are triangles, circles and other geometrical figures, without whose help it is impossible to comprehend a single word of it; without which one wanders in vain through a dark labyrinth." - *Galileo Galilei*

"Logic is the foundation of the certainty of all the knowledge we acquire." - *Leonhard Euler*

"A law of a number theories is visible and is something to show, but the proof lies down on space darkness deeply." - *Carolus Fridericus Gauss*

"Doing mathematics is to prove the subject first and foremost" - *Georg Friedrich Bernhard Riemann*

"The essence of mathematics lies in its degree of freedom." - *Georg Woldemar Cantor*

"Mathematics is the art of giving the same name to different things." - *H. Poincare*

"Mathematics, rightly viewed, possesses not only truth, but supreme beauty, a beauty cold and austere, like that of sculpture, without appeal to any part of our weaker nature, without the gorgeous trappings of painting or music, yet sublimely pure, and capable of a stern perfection such as only the greatest art can show. The true spirit of delight, the exaltation, the sense of being more than Man, which is the touchstone of the highest excellence, is to be found in mathematics as surely as in poetry." - *Bertrand Russell*

"How can it be that mathematics, being after all a product of human thought independent of experience, is so admirably adapted to objects of reality?" - *Albert Einstein*

"Any relationships between numbers, functions, and operations become transparent, generally applicable, and fully productive only after they have been isolated from their particular objects and been formulated as universally valid concepts." - *Amalie Emmy Noether*

"Math is a language to represent the operations and relationships of among the objects. It is a modeling language description Nature. For instance, Category theory is a high-level abstraction language to do Math." - *Сейджиро Кусафуса (S. Kusafusa)*

"An invariant is a property, held by a class of mathematical objects, which remains unchanged when transformations of a certain type are applied to the objects. The particular class of objects and type of transformations are usually indicated by the context in which the term is used." - *Сейджиро Кусафуса (S. Kusafusa)*

"It is not the strong species that survive nor the most intelligent, but the one most responsive to change." - *Charles Darwin*

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The Math & Science

Tips

MATHLETTER written in English, filename is NEWSLETTER.pdf has been recovered due to destruction. We are carefully checking the our web server from hacking outside. So, we will revise the contents without any notices. Sept 10, 2016

About Author



As life after retirement, web owner Sergio Lopez Kusafusa (Сейджиро Кусафуса, aka. Sage) is enjoying curator of planetarium and STEM education for kids at a science museum. The background is computer science, aerospace and mathematics. He also has lots of international business experiences with worldwide. So he is also involved in entrepreneur support in governmental works. Now the current obsession is with IOI2018 International Olympiad in Information 2018 in Tsukuba.

C. Кусафуса



The Mathematician S. Kusafusa

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