The fundamental biological constants

Фундаментальные биологические константы

MOLPIT Seminar of 23/11/2013



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https://sites.google.com/site/.../biologiceskie-mery ▼ Translate this page ② ... люблю более всего - творить ... творить пока сырые фундаментальные биологические константы, сочинять биологические меры и пытаться вникнуть ... You visited this page on 11/21/13.

BioTheory

Теоретическая биология

Биологические меры

! Цель и задачи

- 1 Key words
 - ▶ Morphogen
 - бифуркации
 - ▶ Ген
 - Катастрофы
 - Малые РНК
 - Эпигенетика
- Jakob von Uexküll 1926
- ▼ Бауэр
 - ▶ Левич А П
 - ▶ Шноль С Э

Белинцев Б Н

Благодаря Татьяне Дмитриевне Колесниковой (http://tbio.molpit.ru/lectures/epigeneticeskie-mehanizmy) и команде МОЛПИТ (http://molpit.com/?page=46) сейчас я глубже понимаю, что буду делать то, что люблю более всего - творить ... творить пока сырые фундаментальные биологические константы, сочинять биологические меры и пытаться вникнуть в то, как клетки понимают друг друга, на каком языке они разговаривают и как умудряются договориться между собой, чтобы не перепутать ткань и орган, которым сами клетки будут принадлежать и в то же самое время создавать и поддерживать эту ткань и этот орган ... захватывающе чудная симфония жизни ... не оторваться!

28/10/13 1:14K



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Intron-genome size relationship on a large evolutionary scale

AE Vinogradov - Journal of molecular evolution, 1999 - Springer

... 1991). Therefore it seems to be one of **the fundamental biological constants**. The theoretical basis for the "quar- ter-power law" was proposed recently on the grounds of fractal geometry (West et al. 1997; see also Williams 1997). ...

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www.livingcosmos.com/alive.htm *

Jump to The Physical **Constants** - In the Conclusions of The Vital Vastness -- Volume Two: The Living Cosmos we find this discussion: "**The basic** features ...

Appendix III: Fundamental Physical Constants - Wiley Online Library

onlinelibrary.wiley.com/doi/10.1002/9781118137048.app3/summary ▼ by BM Ham

Oct 4, 2011 - Ham, B. M. (2011) Appendix III: **Fundamental** Physical **Constants**, in Proteomics of **Biological** Systems: Protein Phosphorylation Using Mass ...

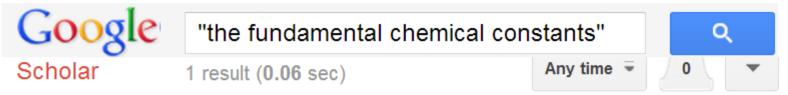
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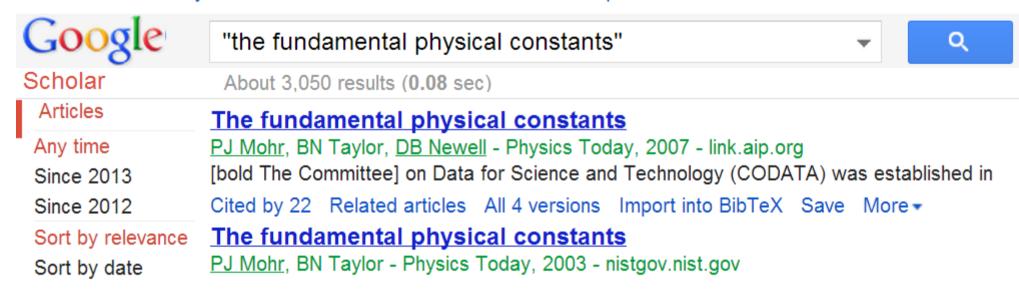
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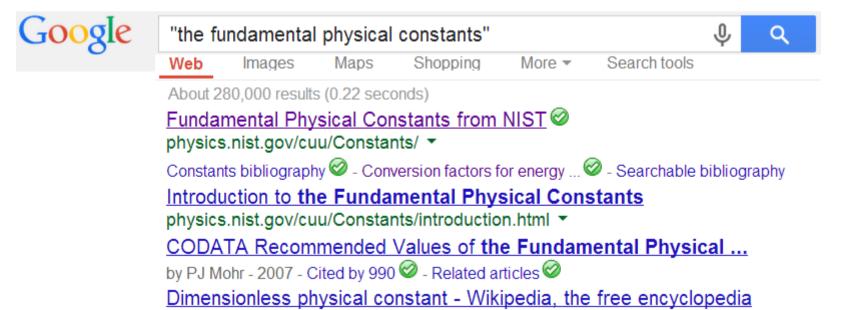


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CELL-TO-CELL MICROFLUIDIC INTERACTION MODELS IN THE SCIENCE OF HEALTH

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ABSTRACT

We provide here detailed discussion on the introduction of biological measures and on the nature of the biological signals. The theory of absolute and

Keywords: fundamental biological constants, biological measures, cell-to-cell measurement, droplet microfluidic models.

ABSTRACT. We provide here detailed discussion on the introduction of biological measures and on the nature of the biological signals. The theory of absolute and relative biological measures has been briefly analyzed in case of mutual cell-cell and cell-tissue measurement. We focus on the biological signals and droplet microfluidic principles of cell-cell interaction modeling and biological measurements. Analysis of the theory of network organization with similar properties of structures and functions of biological particles is presented in the overview, and theory of collective multilevel hierarchical organization that can form the basis of the description of the internal structures and relative biological measures is proposed. We further analyze possible applications of the discussed theoretical approaches to understand the measurement problems in modern biology and in the science of health.