Unit n°15

Part 20

Aphorisms, advices, anecdotes, brain teasers, curious stories, epigrams, epigraphs, epitaphs, ideas, koans, memorabilia, mottos, poems, proverbs, quotations, riddles, sayings, slogans, scurrilities, etc.
collected for encouragement and advantage of my students and of myself.

Hohe Frustrationstoleranz
arte HD 22.01.2016, 22:19

http://www.nicht-wissen.square7.ch/home.php
https://www.youtube.com/

An interesting approximation for e^{ϕ}

$$e^{\phi} = \underline{5.043165}643\ldots; \quad \Phi = \frac{1}{2}(\sqrt{5}+1)$$

$$\frac{700+1}{140-1} = \frac{5*140+1}{140-1} = \underline{5.043165}468\ldots$$

The 37&co „numeral magic“

$$3*7*37 = 777 = 7^{\underline{3}}\ ,\ \ 3773 = 7^3*11$$

$$\frac{73}{37} = 1+\frac{1}{1+\frac{1}{17+19}}\ ,\ \frac{7337}{3773} = 1+\frac{1}{1+\frac{1}{17+\frac{1}{19}}}$$

$$\frac{27+37+73}{37}=[3;1,2,2,1,3]\ ;\ \frac{73}{27}=[2;1,2,2,1,2]$$

$$\frac{1}{0.027}=37.\overline{037}\ ;\ \frac{1}{\overline{0.027}}=\ 37$$

$$\frac{1}{0.037}=27.\overline{037}\ ;\ \frac{1}{\overline{0.037}}=\ 27\ ;\ 27*37=999$$

$$1+\frac{37}{73}(1+\frac{37}{73}(1+\frac{37}{73}(1+\frac{37}{73}(1+\frac{37}{73}(...=\frac{73}{36}$$

$$\frac{37|}{|73}+\frac{37|}{|73}+\frac{37|}{|73}+\frac{37|}{|73}+...=[0;\overline{1,1,73,}]=\frac{37*2}{3*7^2}$$

More: go to https://zahlwort.blogger.de/topics ,…
More: it's your turn!

Clarke's three laws

Clarke's **first** law
When a distinguished but elderly scientist states that something is possible, he is almost certainly right. When he states that something is impossible, he is very probably wrong.

Clarke's **second** law
The only way of discovering the limits of the possible is to venture a little way past them into the impossible.

Clarke's **third** law
Any sufficiently advanced technology is indistinguishable from magic.
https://en.wikipedia.org/wiki/Clarke's_three_laws

http://www.msn.com/de-de/lifestyle/leben/schon-gewusst-45-seltsame-fakten/ss-BBpacQC?ocid=SKY2DHP

Ein Hamsterrad sieht von innen aus wie eine Karriereleiter.
Allpräsent im Internet, z.B. mit einem nettes Bild in http://www.bing.com/images/search?q=Ein+Hamsterrad+sieht+von+innen+&view=detailv2&&id=BC58D2D0E60A2702A1CEE71E13253B24E4F96DF9&selectedIndex=3&ccid=degODObp&simid=608032959001134 93
Analogie: eine Zählschleife generiert eine aufsteigende Zahlenfolge, z.B. Fibonacci-Folge.

Mathematik im klassischen Islam

** J. L. Berggren. Mathematik im mittelalterlichen Islam.
Springer 2010
ISBN 978-3540766872
** V.J. Katz. The Mathematics of Egypt, Mesopotamia, China, India, and Islam:
A Sourcebook.
Princeton University Press 2007
ASIN B00D5FH19U
** E. Sahinöz. Geschichte der islamischen Mathematik, ihr Beitrag zur Algebra.
Grin Verlag GmbH 2015
ISBN 978-3656844655
** Al-Khwarizmi. The Beginnings of Algebra.
Saqi Books; Bilingual edition 2010
ASIN B019NRHOPO

Islamische Kalligraphie

**https://commons.wikimedia.org/wiki/Category:Islamic_calligraphy?uselang=de

** https://de.wikipedia.org/wiki/Islamische_Kalligrafie
**http://www.bing.com/images/search?q=Islamische+Kalligraphie&qpvt=Islamische+Kalligraphie&qpvt=Islamische+Kalligraphie&FORM=IGRE

Islamische Mosaiken

**https://www.google.de/search?q=islamische+mosaiken&hl=de&tbm=isch&tbo=u&source=univ&sa=X&ei=0IRiUZ2mCIrYsgapyID4AQ&ved=0CC4QsAQ&biw=1400&bih=906&gws_rd=ssl
** https://en.wikipedia.org/wiki/Girih_tiles
** P.J. Lu, P.J. Steinhard. Decagonal and Quasi-Crystalline Tilings in Medieval Islamic Architecture.
Science **315** (5815), 1106–1110
doi: 10.1126/science.1135491).

Leopard

Leopard is a large-scale problem solver,
** highly qualified in
# state of the art and in history of mathematics, natural sciences, and engineering (esp. IT)
# martial arts strategy, tactics, inventory of methods and tools of living beings (including unicellular organisms and viruses) and human beings (and SF E.T.s) to win and to survive,
# algorithmics (approaches, design methods, collection of algorithms),
** highly motivated, never give up,
** able to react flexible and unbiased, but targeted,
** able to act as a lone fighter but also in a team,
** storming of „unsolved key problem“ fortresses in mathematics, physics, and life sciences with

extremely unconventional methods.

Lass Dein Unterbewusstsein für Dich arbeiten!

Creative hot spot

http://www.msn.com/de-de/nachrichten/bildergalerien/formationsk%C3%BCnstler-in-luftiger-h%C3%B6he-stare-auf-der-reise/ss-BBpwD89?ocid=SKY2DHP
Formationskünstler in luftiger Höhe: Stare auf der Reise

Und in/auf der Straße:
http://www.bing.com/images/search?q=Street++art+Bilder&qpvt=Street++art+Bilder&qpvt=Street++art+Bilder&FORM=IGRE
http://www.bing.com/images/search?q=Street++art+in+Dresden&qpvt=Street++art+in+Dresden&qpvt=Street++art+in+Dresden&FORM=IGRE
http://images.google.de/imgres?imgurl=http://farm1.static.flickr.com/91/274761060_5a7a0586b7_m.jpg&imgrefurl=http://flickrhivemind.net/Tags/dresden,noname/Timeline&h=500&w=367&tbnid=o1B0AjDAfgiYmM:&zoom=1&docid=Lq6T6ZNvTlRhfM&itg=1&ei=QP2ZU_rZEuqp4gS8wIHACQ&tbm=isch&client=ubuntu&iact=rc&uact=3&page=2&start=45&ved=0CLMBEK0DMC8

Heraclitus: “War is the father of all things.”

The invention of bow & arrow, of gunpowder & cannon, and of the atomic bomb have influenced the development of the human society and technology more than the building of houses, cathedrals, and skyscrapers?

The total opposite to the weapons development is the origin and development of script and writing systems, connecting friend and enemy, near and far, past, present, and future. What do you think?

Eadem mutatus resurgo.