
THE FIRST SUMMER SCHOOL
IN ASTRONOMY AND GEOPHYSICS
Belgrade, Serbia
august 2007

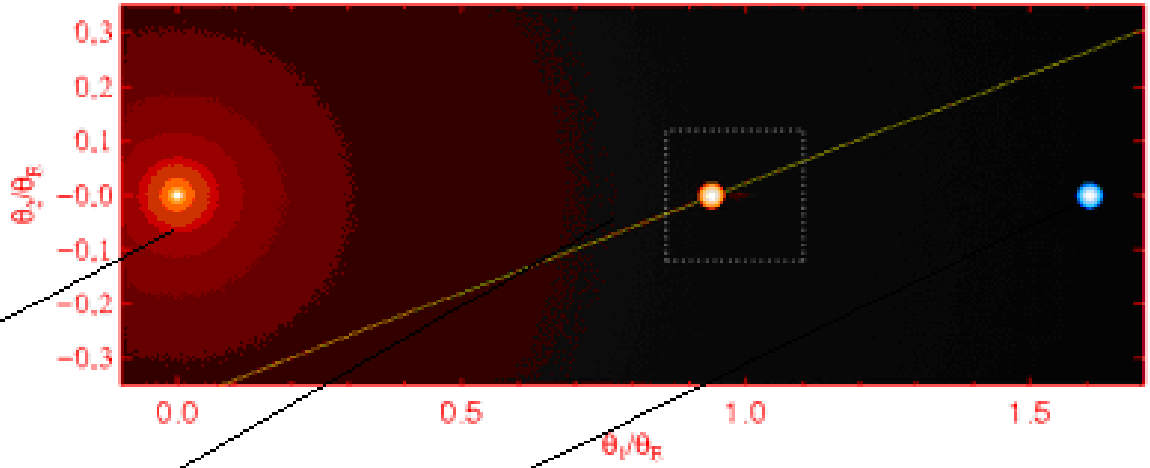
INFLUENCE OF BEER ON MOVEMENT OF MOON AND EARTH GRAVITY

Marko Vanic

Damir Ribic

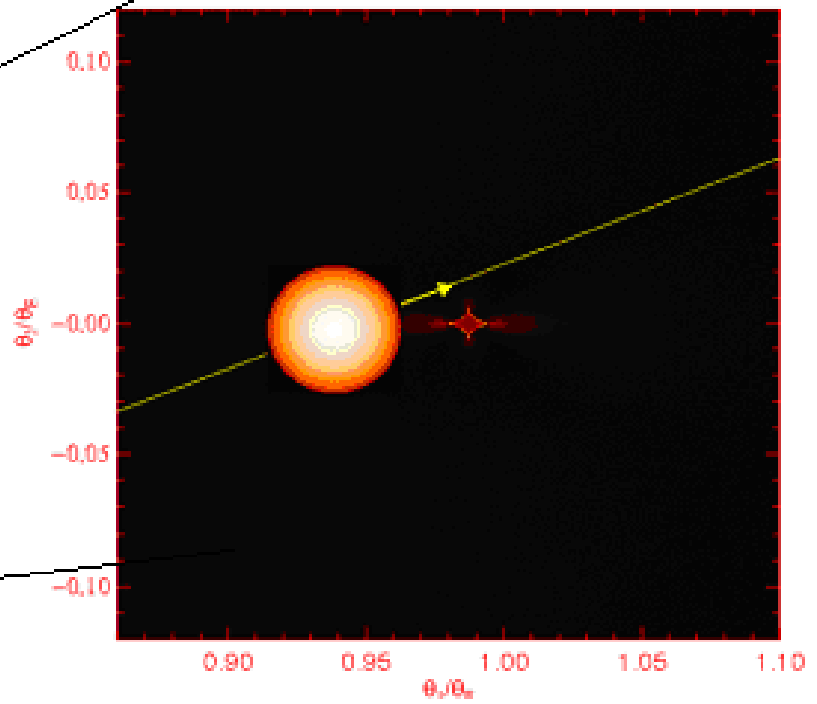
Institute of beerphysics

SOBER STATE PHYSICS



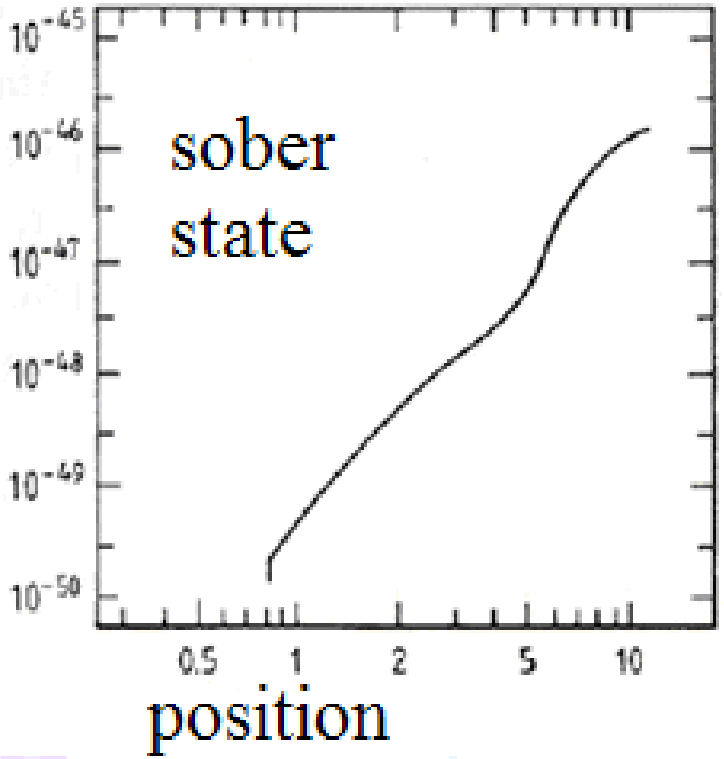
beer=0
velocity of
observer=0

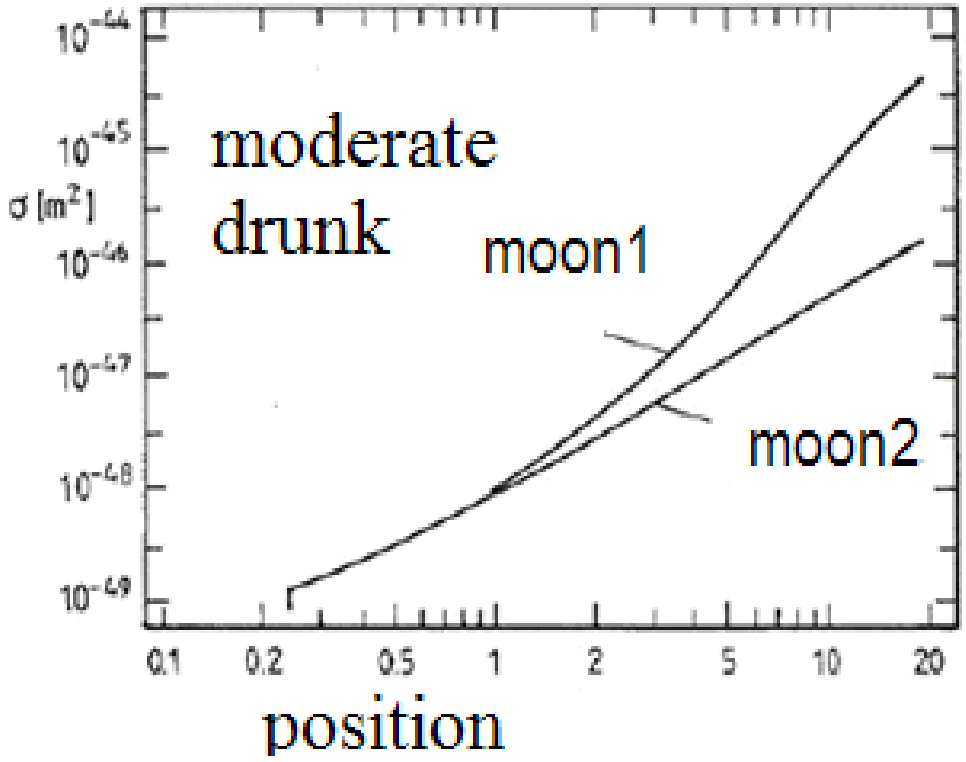
observer
=sober
walking
to moon



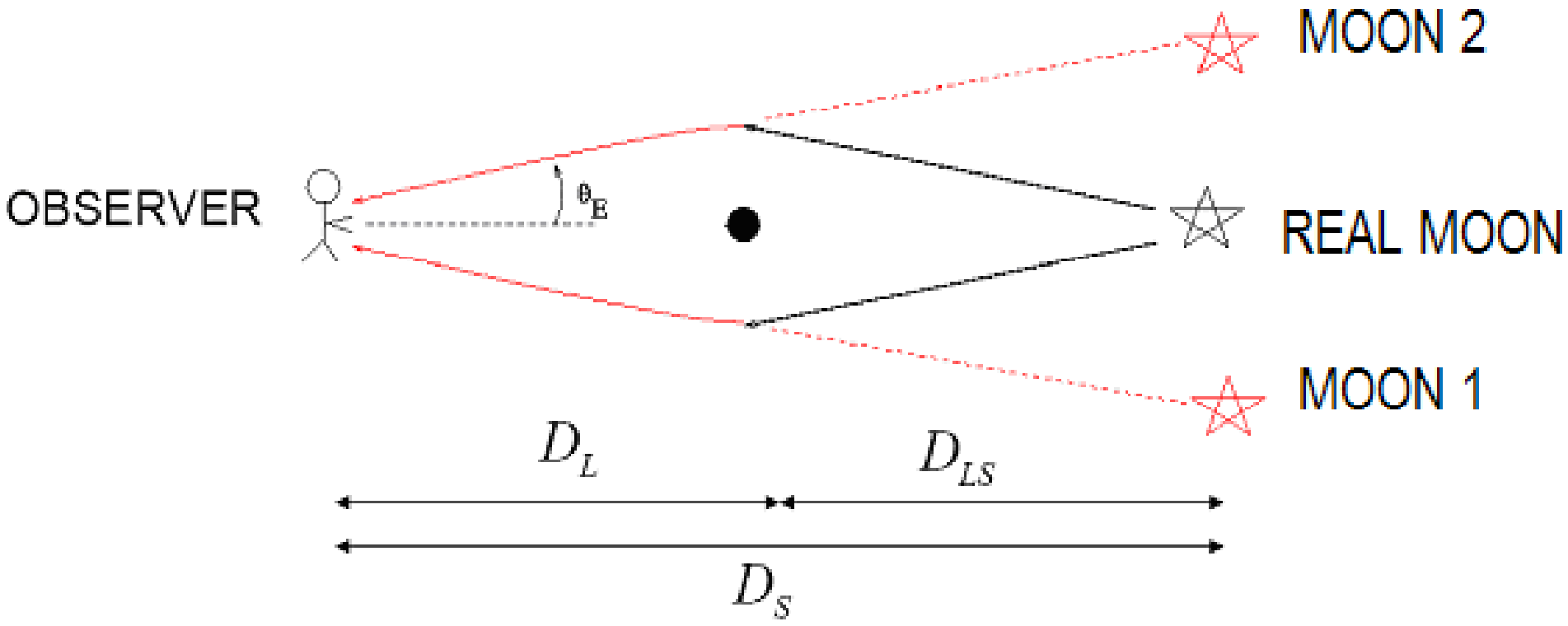
beer = 0
time = 19:30
(after lectures)

Beer lensing





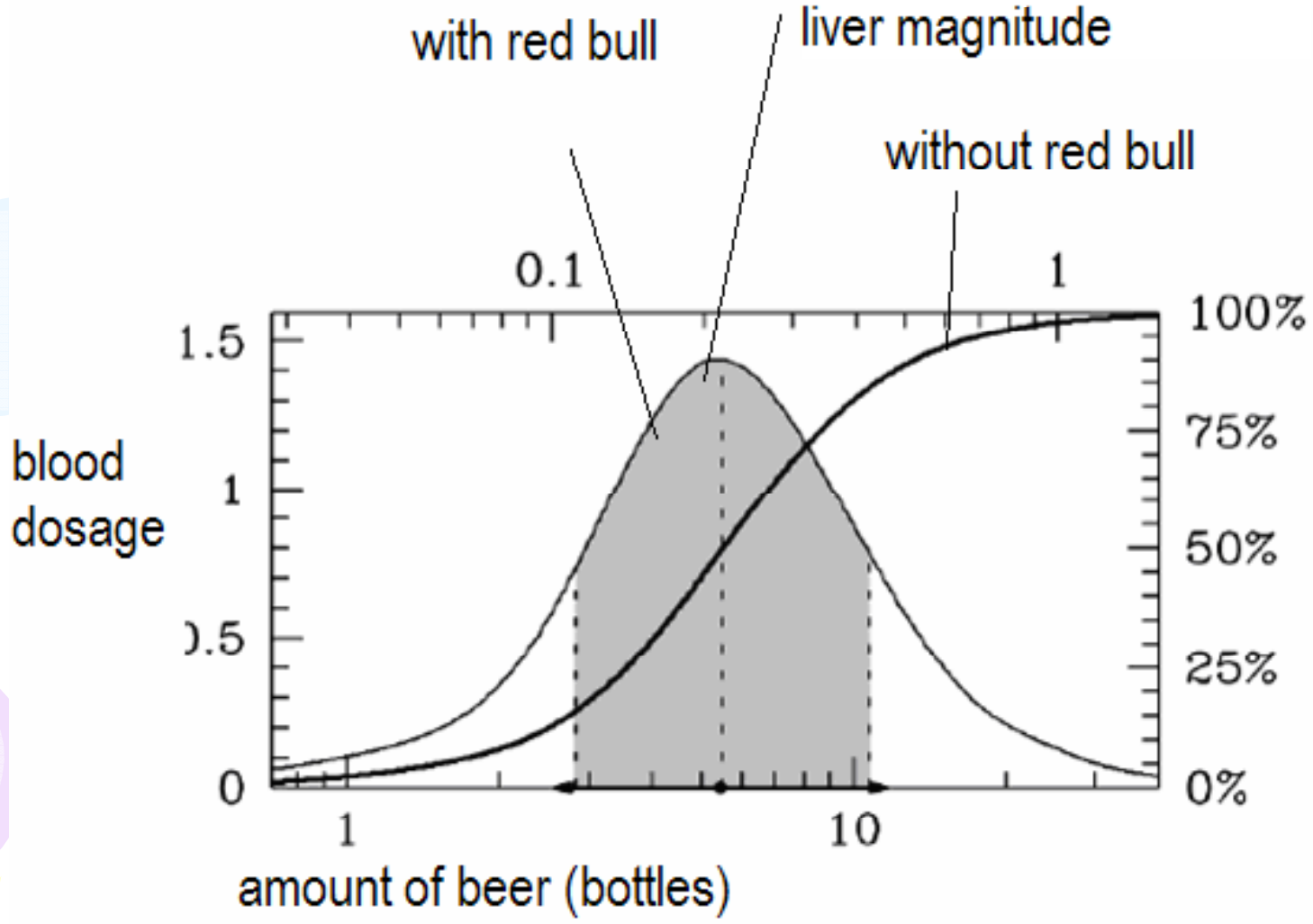
BEERITATIONAL LENS



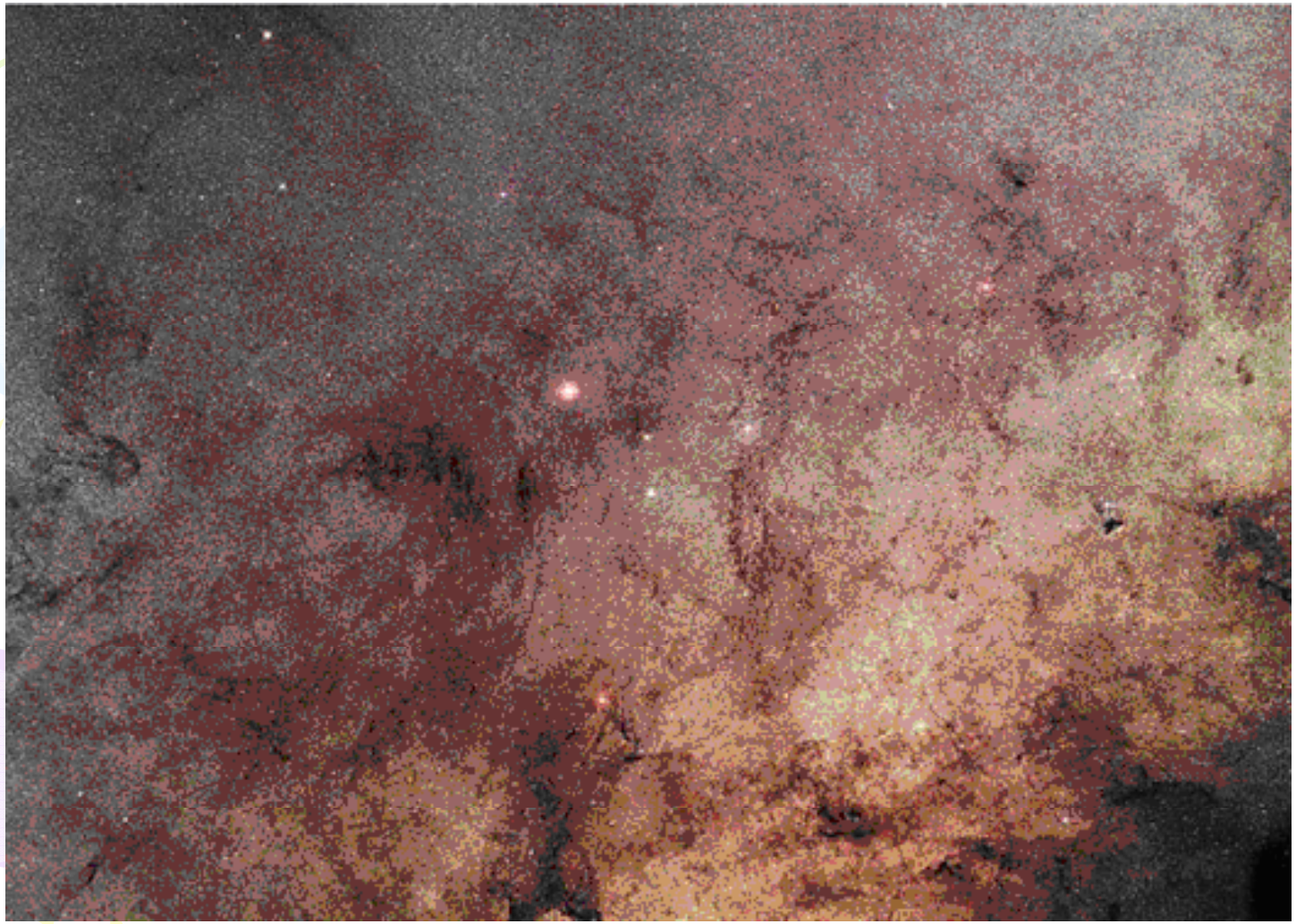
BEERSTEINS RADIUS

$$R_0 = \sqrt{\frac{4GM_{tot}D_{LS}}{c^2 D_L D_S}}$$

Influence of poisonous beverages on blood content

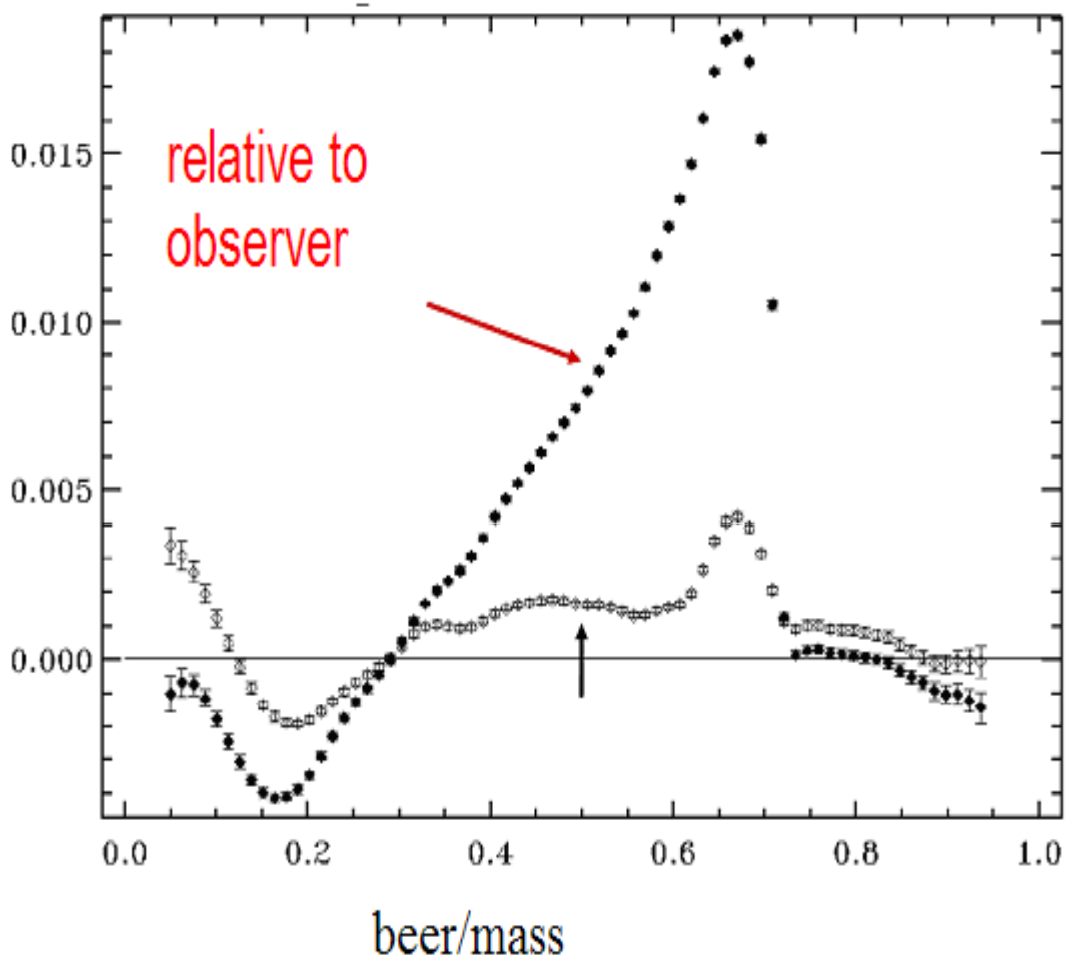


Liver at magnitude peak



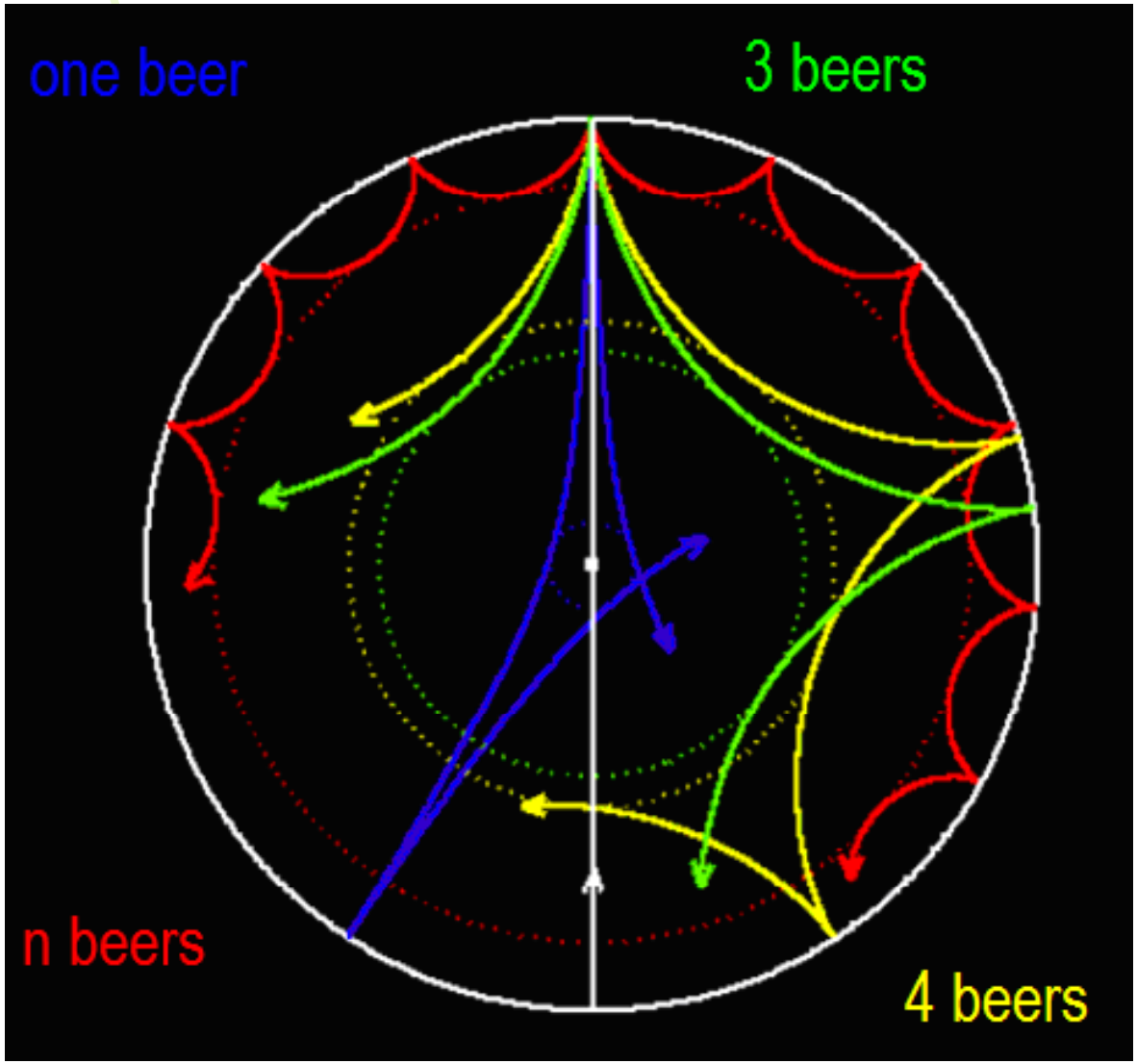
Experimental data

beer	moon position
12.00	–
10.93 ± 0.004	–
1.10 ± 0.10	3.31 ± 0.04
1.40 ± 0.09	1.42 ± 0.04
2.55 ± 0.30	2.79 ± 0.05
8.52 ± 0.06	–
7.92 ± 0.06	–
8.83 ± 0.06	–
4.56 ± 0.3	4.48 ± 0.06
8.08 ± 0.06	–
6.33 ± 0.03	6.32 ± 0.02
7.58 ± 0.05	7.58 ± 0.01
6.47 ± 0.07	6.49 ± 0.01
7.55 ± 0.05	7.56 ± 0.01
5.45 ± 0.04	5.56 ± 0.06
7.33 ± 0.11	7.20 ± 0.06
5.5 ± 0.3	5.28 ± 0.06
6.40 ± 0.06	–

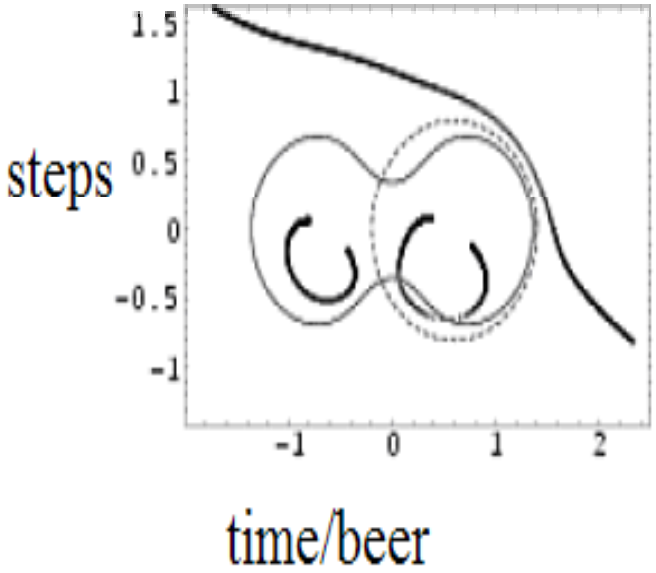


Movement of observer – the influence

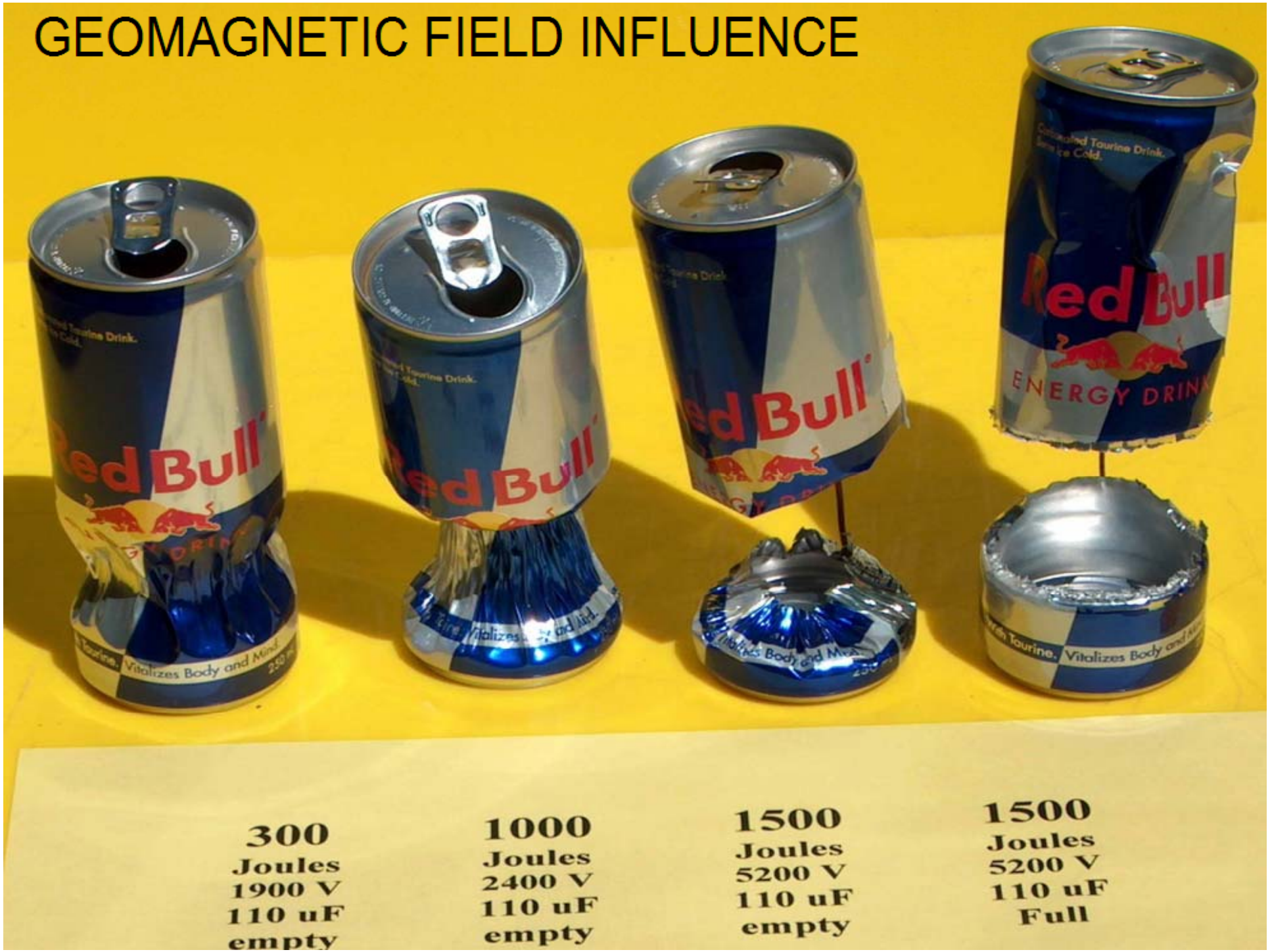
In space



In time – nonlinear as you see



GEOMAGNETIC FIELD INFLUENCE



GEOMAGNETIC FIELD - INTENSITY

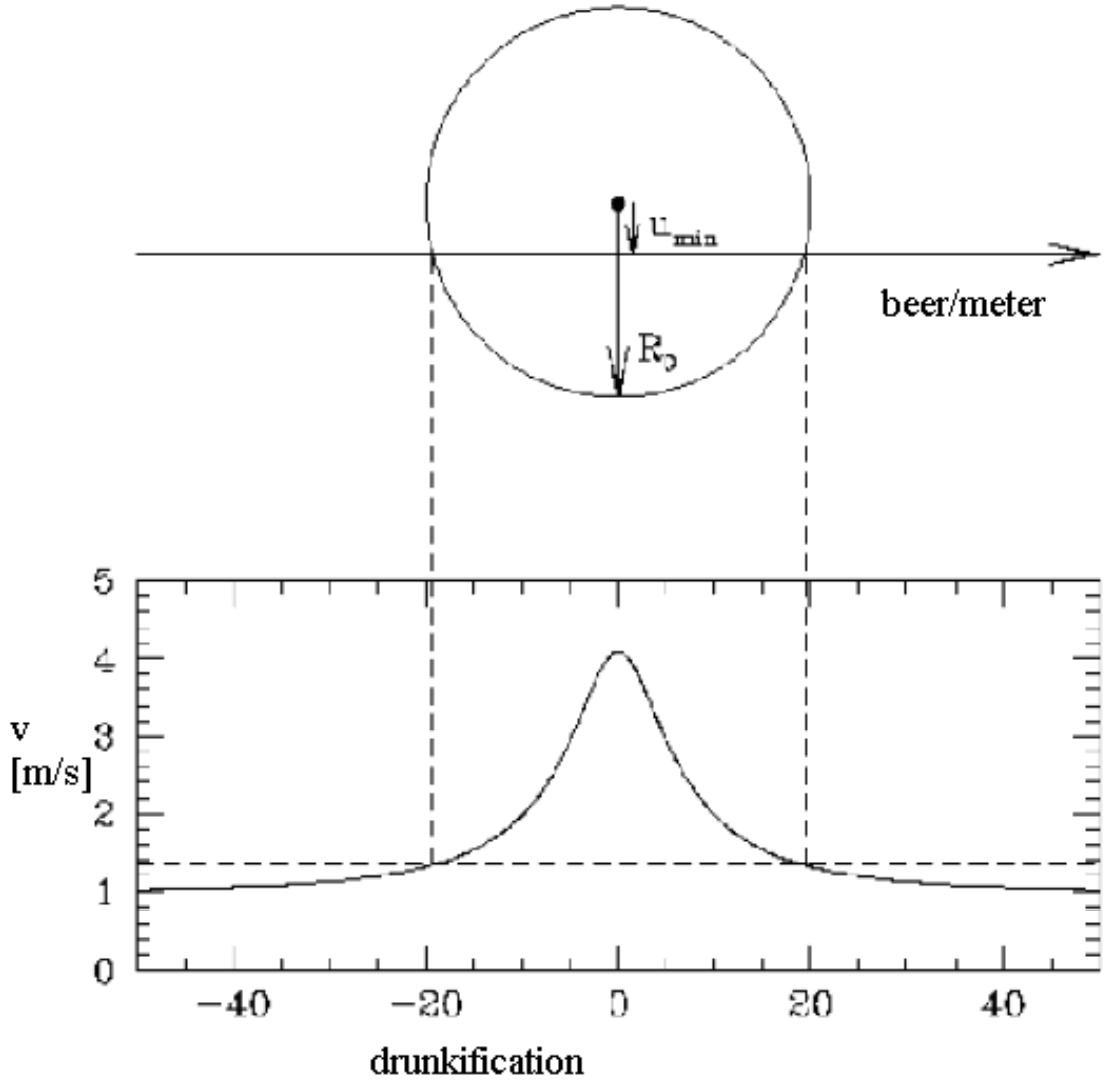
(Statistics)

$$\chi^2 / d.o.f. = \frac{\sum (x(t)_{obs} - x(t)_{theor})^2}{n_{data} - n_{parameters} + 1}$$

=> OBVIOUSLY IRRELEVANT

THUS, $div\ \mathbf{v} = 0$

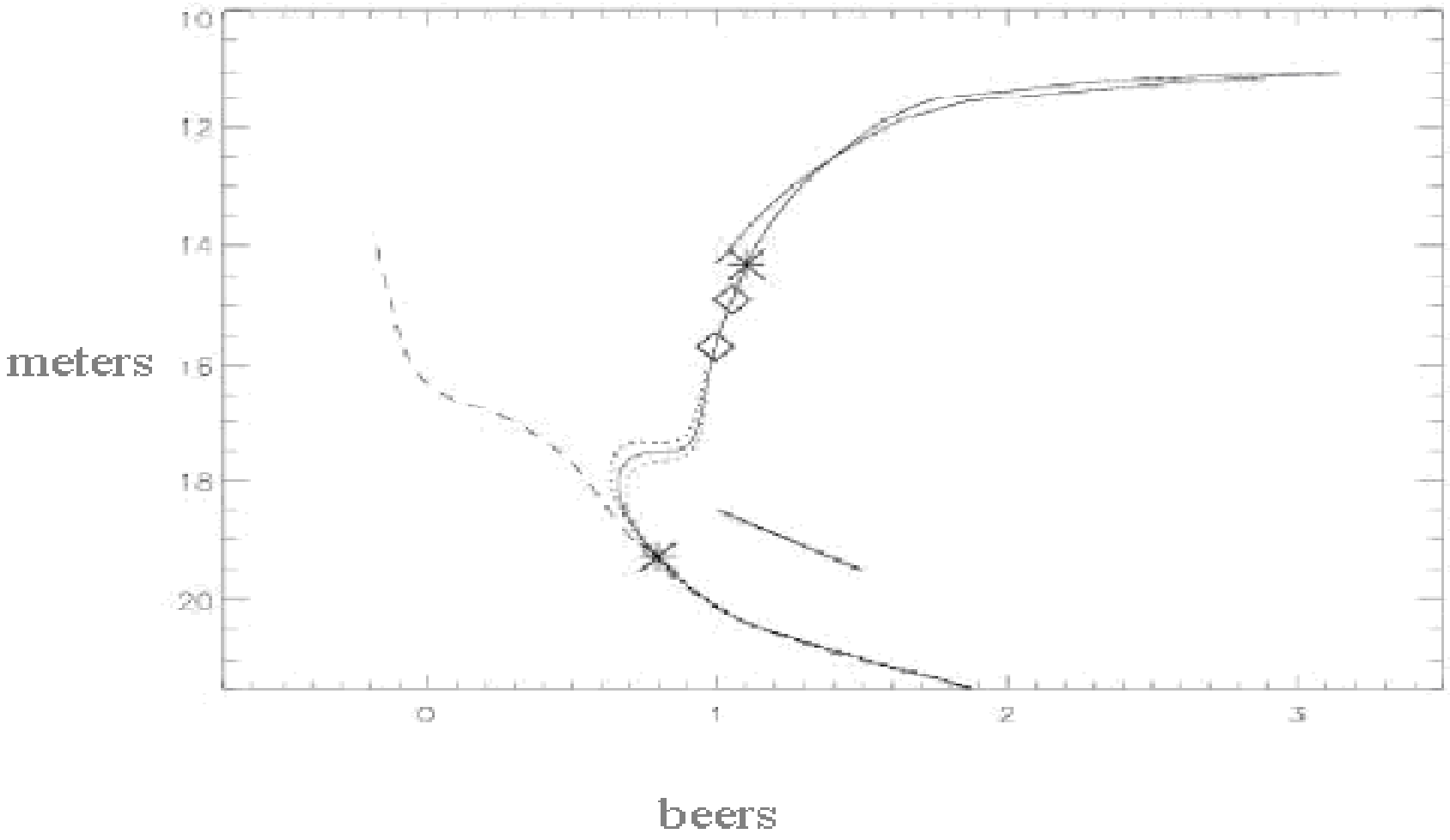
Movement of drunk astronomer



ROTATIONAL

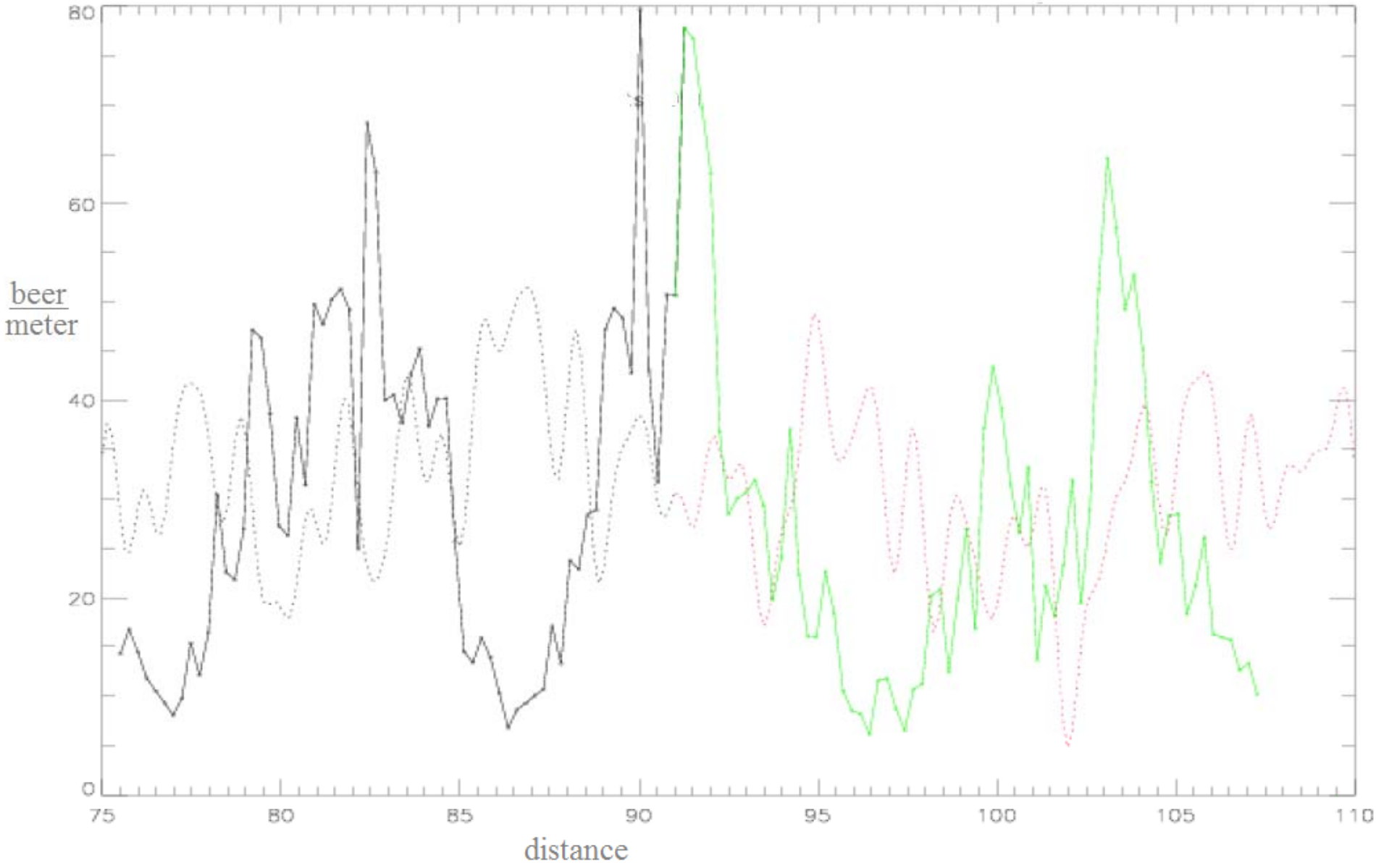
COMPONENT

LINEAR COMPONENT



Non-redbullian case

Actual movement of drunk scientist



Determining actual position of the moon according to evidence of fueled scientist

COORDINATE TRANSFORM TO SOBER SYSTEM OF REFERENCE

$$\vec{\alpha}(\vec{x}) = \frac{4G}{c^2}\sum_i^n m_i \frac{\vec{x}-\vec{x}_i}{|\vec{x}-\vec{x}_i|^2}$$

$$\vec{x} = \frac{\vec{\theta}}{\theta_{\mathrm{E}}},$$

$$\vec{y} = \frac{\vec{\beta}}{\theta_{\mathrm{E}}}$$

$$\vec{y} = \vec{x} - \sum_i^n m_i \frac{\vec{x}-\vec{x}_i}{|\vec{x}-\vec{x}_i|^2}$$

ACCORDING TO THESE EQUATIONS, WHEN YOUR FRIEND DESCRIBES YOU POSITION OF THE MOON, YOU CAN CALCULATE WHERE AND WHAT IT ACTUALLY WAS

Moon in optical spectrum of observer

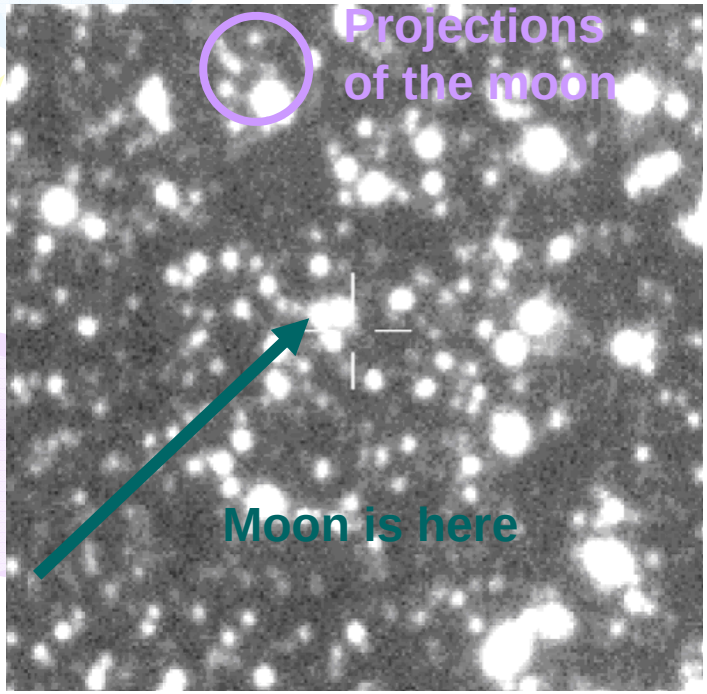
SOBER

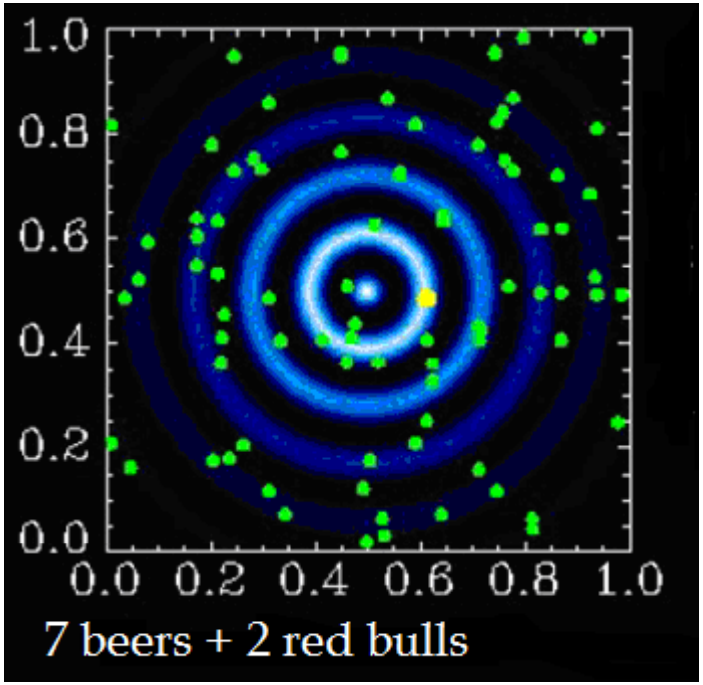
STATE

2 beers

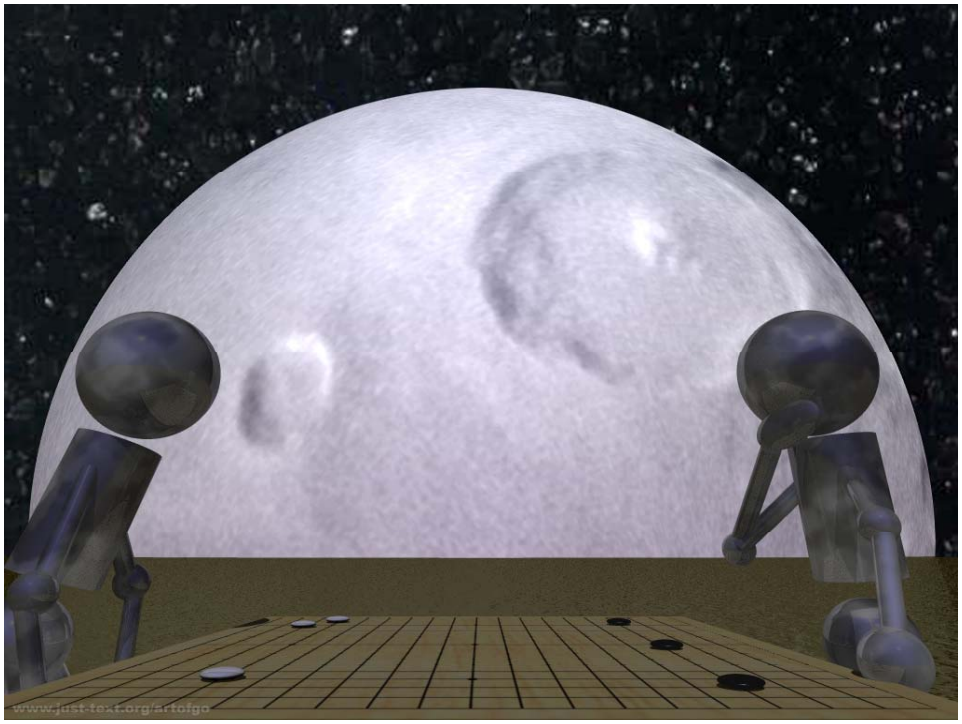
3 beers + red bull

7 beers, no red bull





Paranoia effect

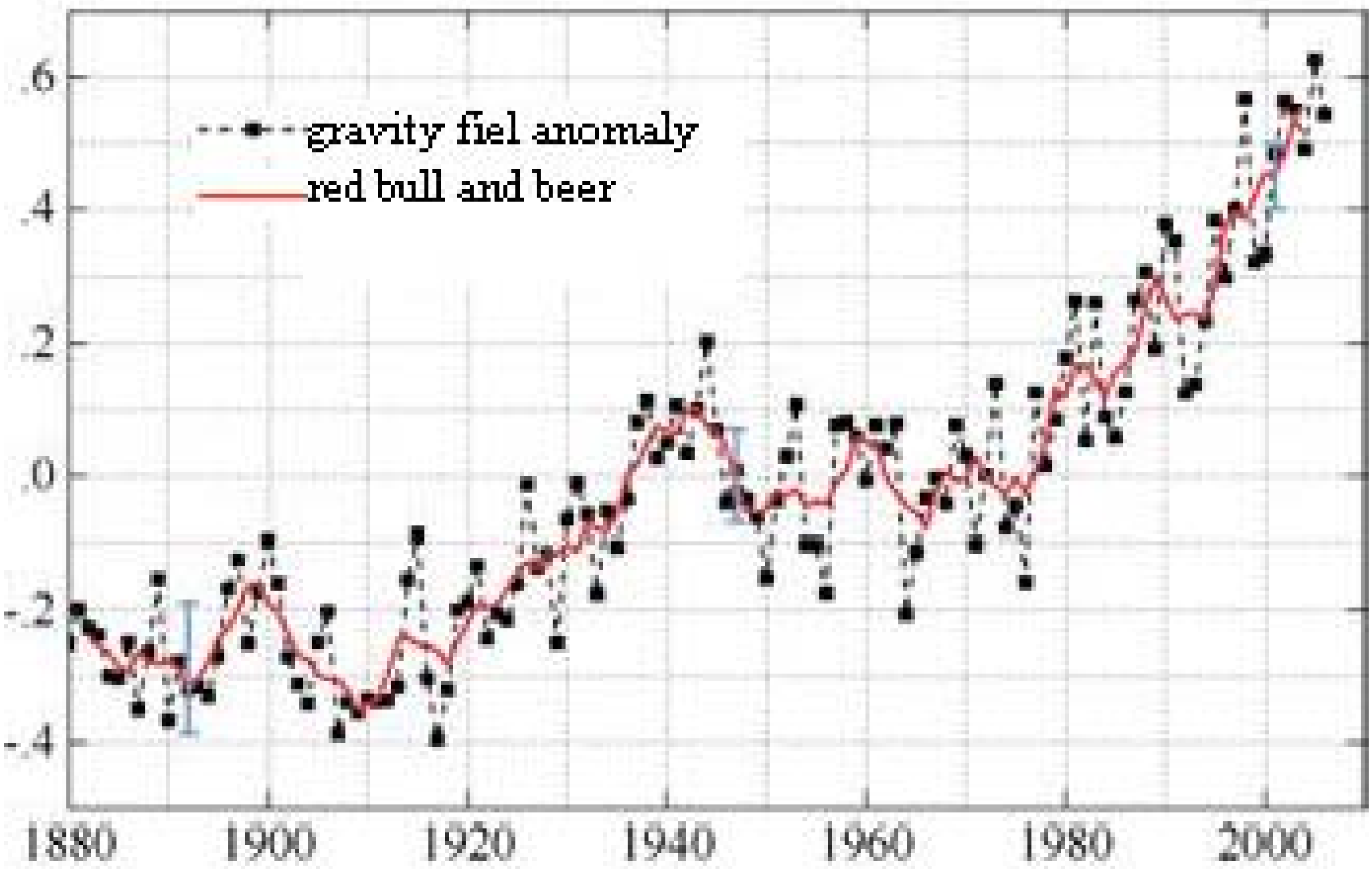


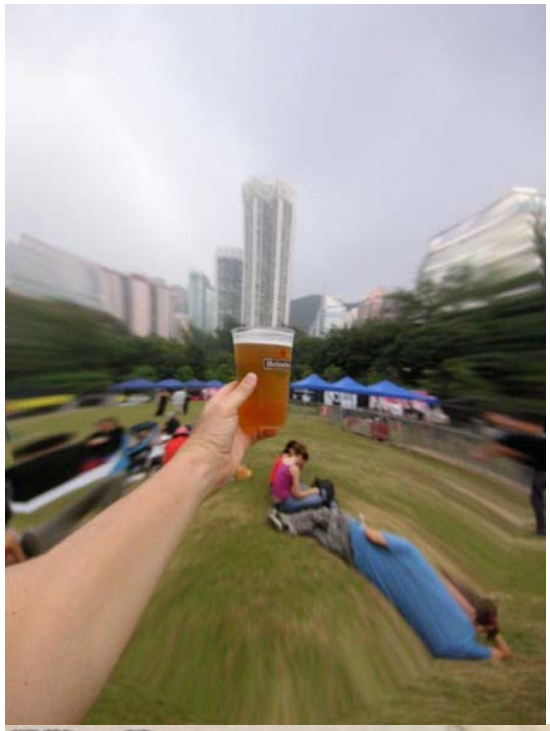
Beers= 10 to infinity

8 hours a day in summer school,

5 or more red bulls, 10 or more beers

Infulence of beer and red bull on the Earth gravitiy field


gravity fiel anomaly
red bull and beer
.6
.4
.2
.0
-.2
-.4
1880
1900
1920
1940
1960
1980
2000



NOTICE: RESERCH IS NOT DONE ON CHILDRENS AND ANIMALS!!!!!

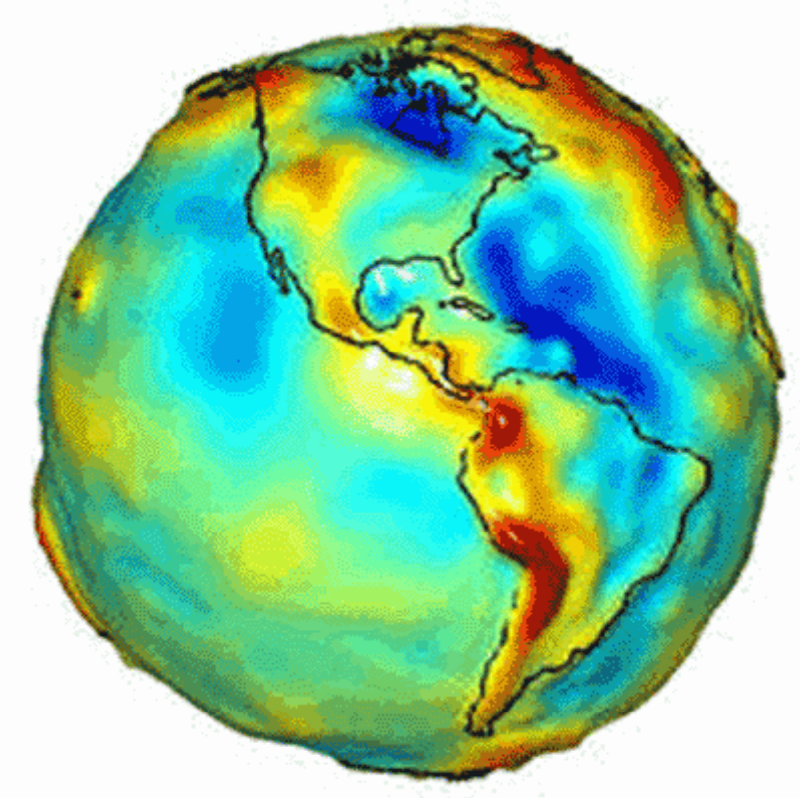
Beer consumption by country, 2001
(in litres per capita)

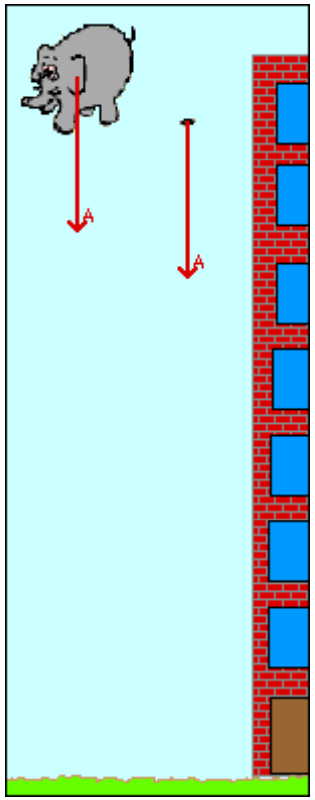
*Some consumption figures have been estimated from beer production data.

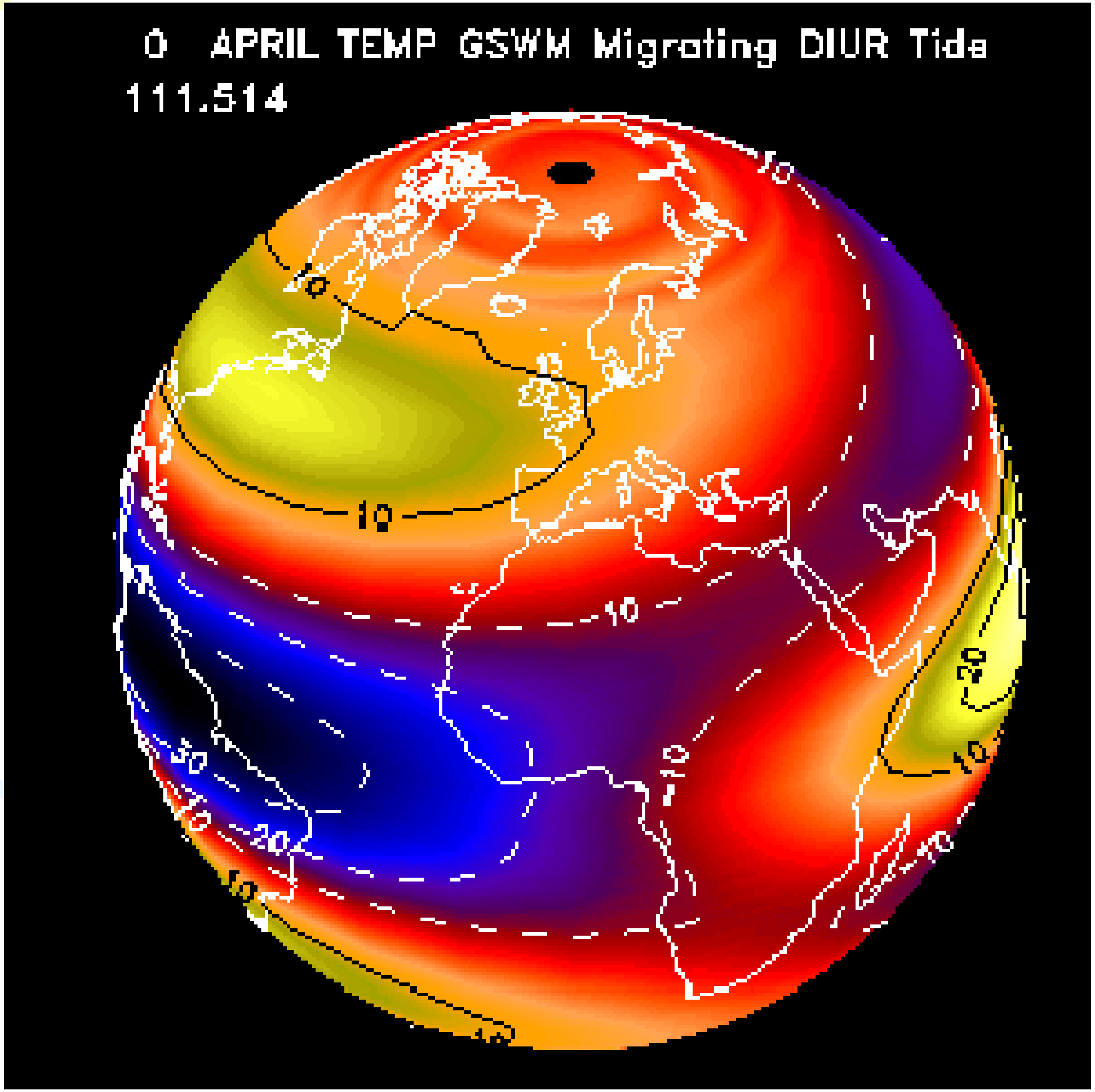
Source: *World Drink Trends* published by the World Advertising Research Center, in association with the Commission of Distilled Spirits, Schiedam, Neth.


SLIMERS SCHOOL 2007

Before beer consumation

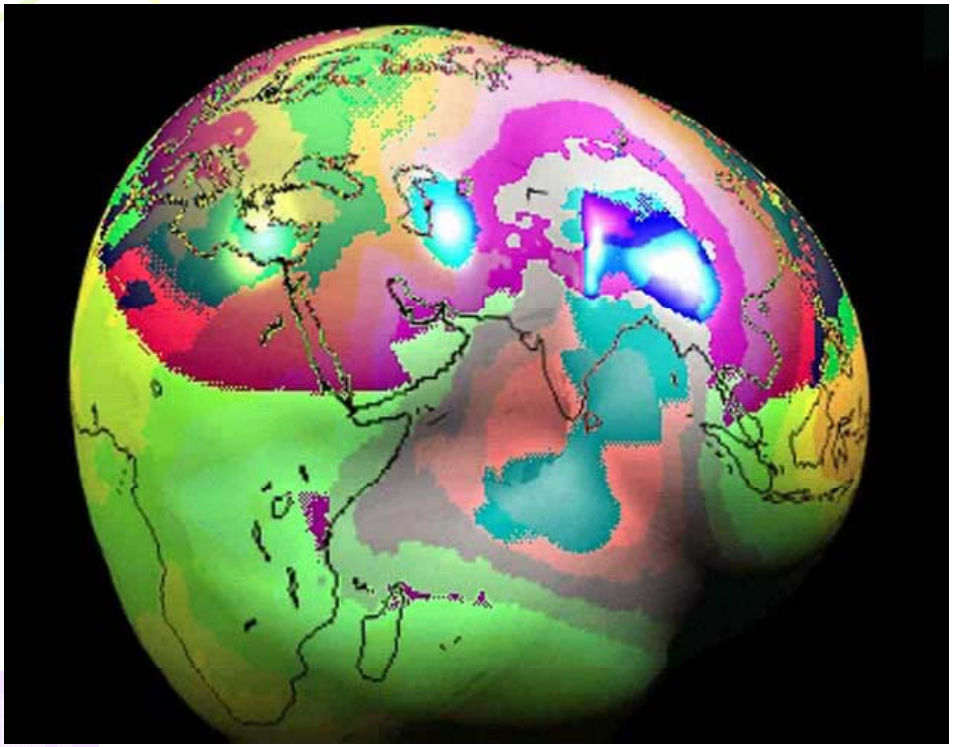


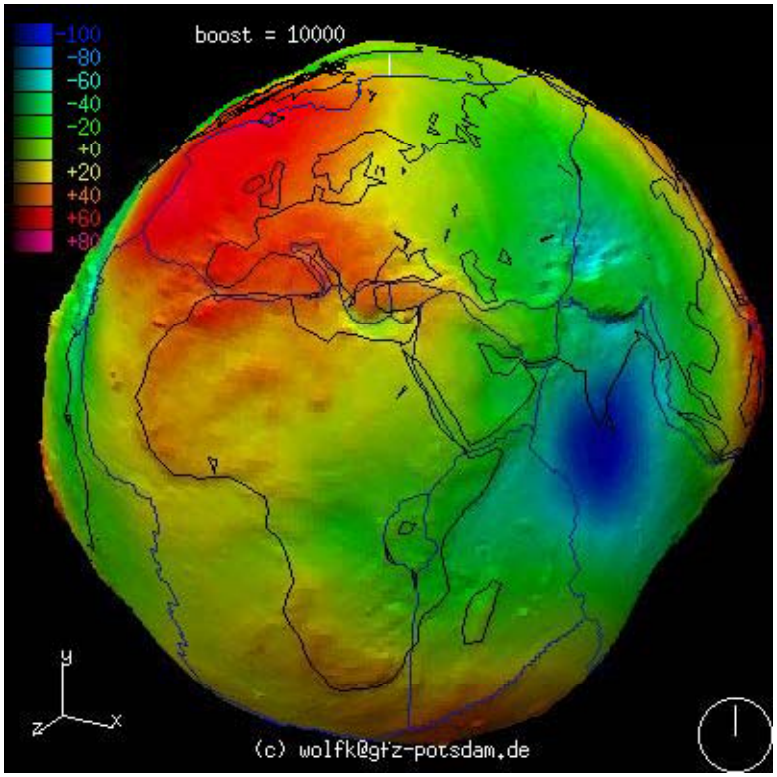




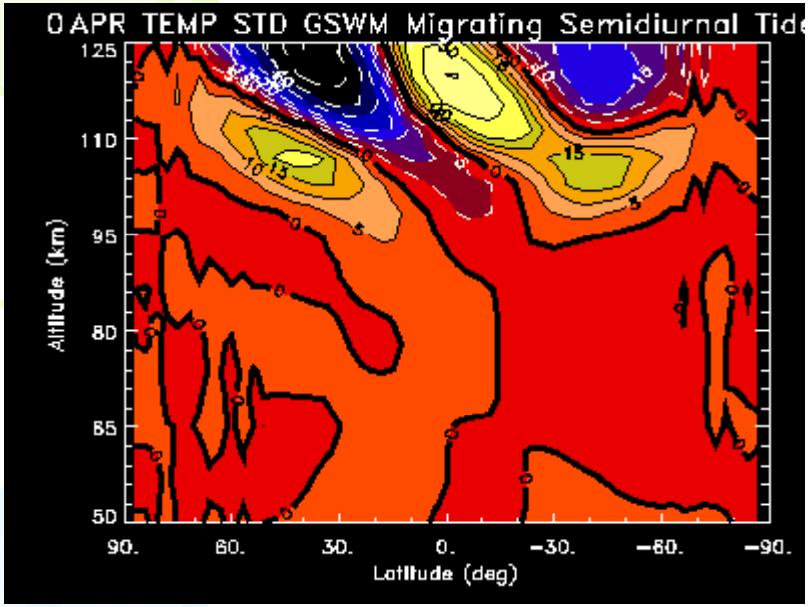
0 APRIL TEMP GSWM Migrating DIUR Tide
111.514
10
10
10
20
30
20
10

...and after

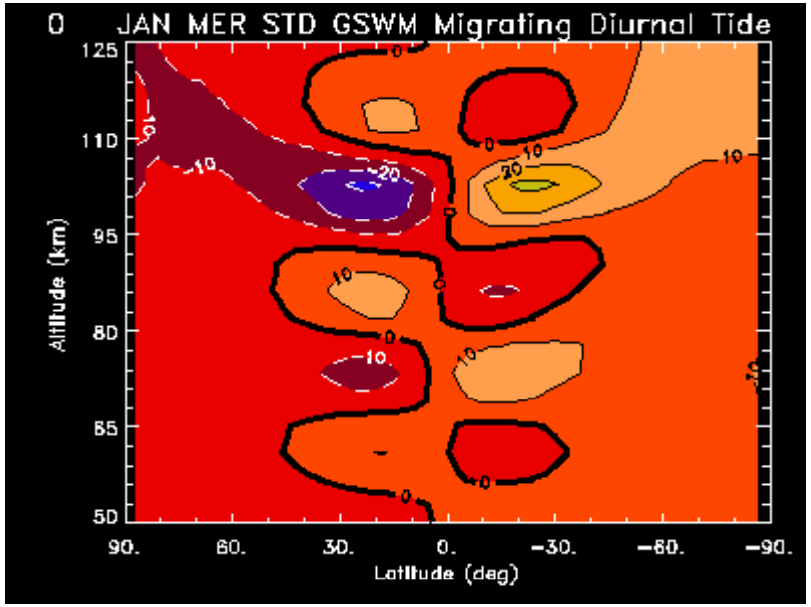


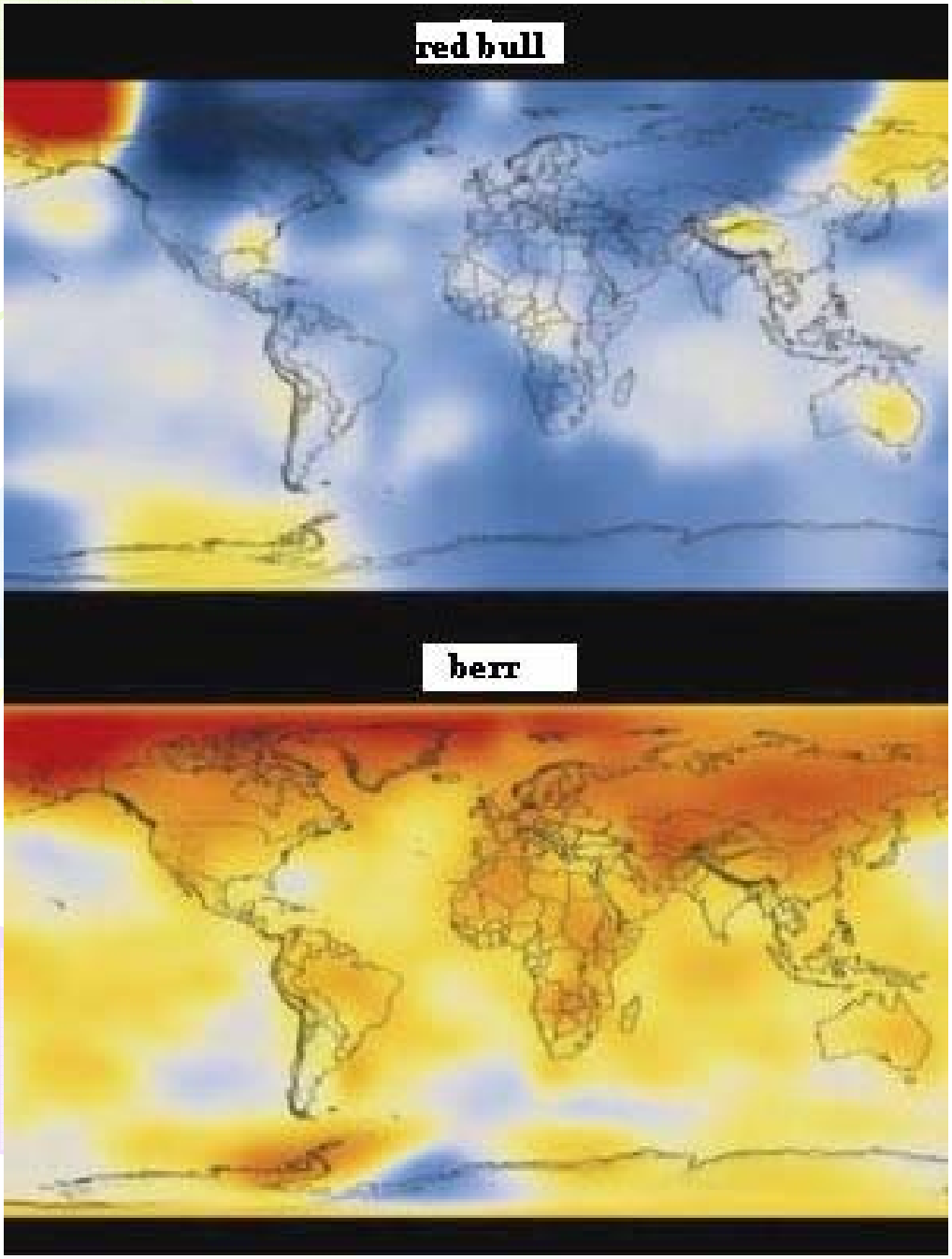

-100
-80
-60
-40
-20
+0
+20
+40
+60
+80
boost = 10000
y
x
z
(c) wolfk@gfz-potsdam.de

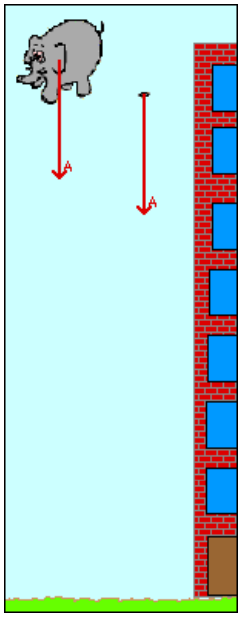
Beer consumers



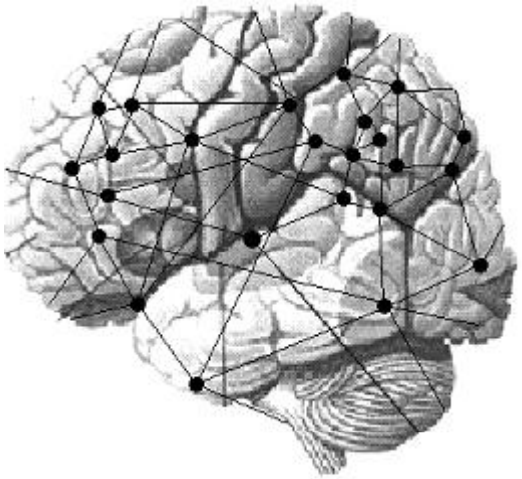
Beer and Red Bull consumers

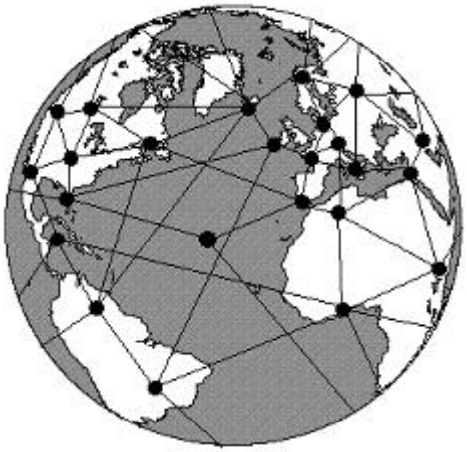



red bull
herr



Influence on humans

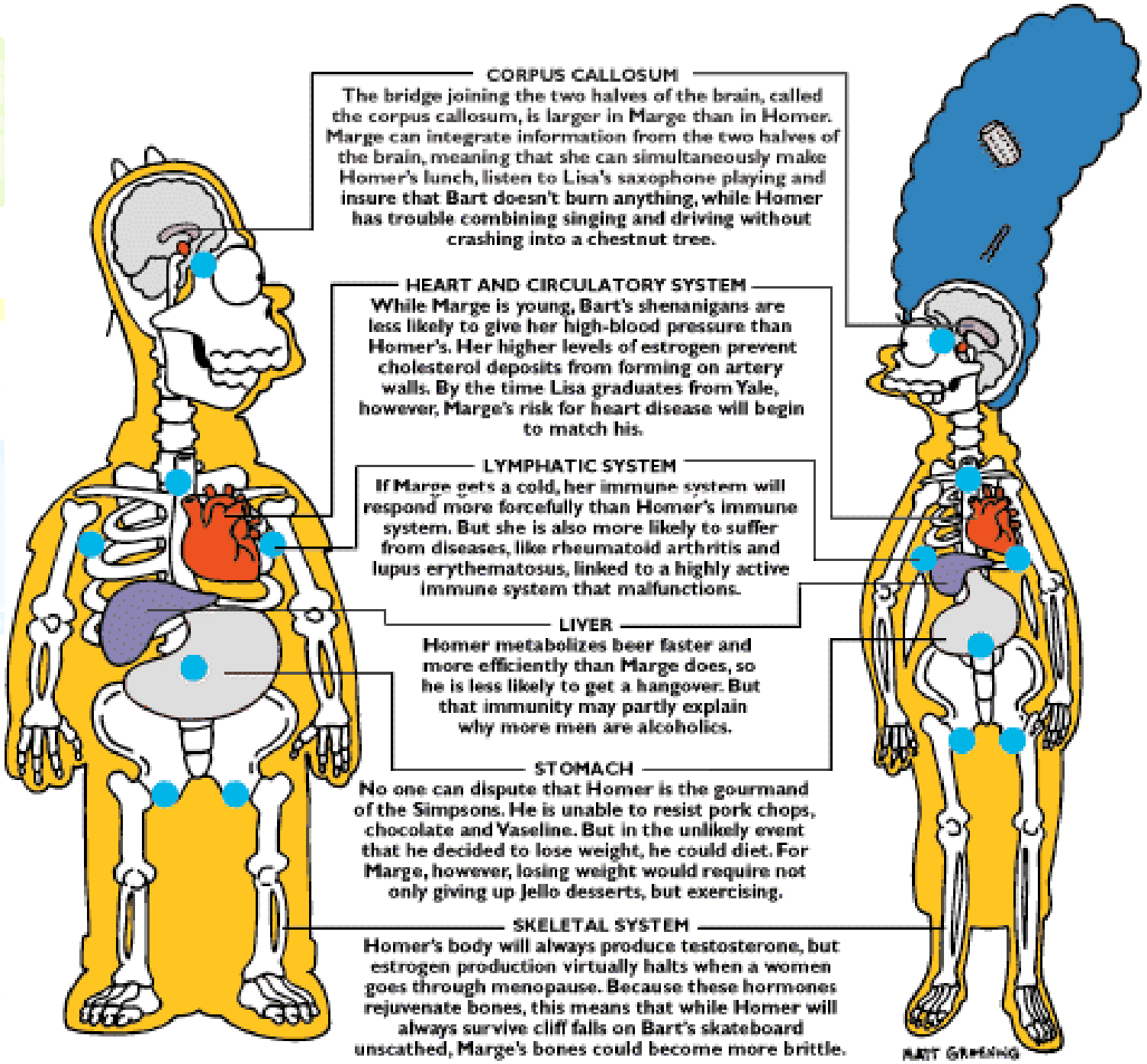




?

Human Brain

Gravitiy Field


CORPUS CALLOSUM
The bridge joining the two halves of the brain, called the corpus callosum, is larger in Marge than in Homer. Marge can integrate information from the two halves of the brain, meaning that she can simultaneously make Homer's lunch, listen to Lisa's saxophone playing and insure that Bart doesn't burn anything, while Homer has trouble combining singing and driving without crashing into a chestnut tree.
HEART AND CIRCULATORY SYSTEM
While Marge is young, Bart's shenanigans are less likely to give her high-blood pressure than Homer's. Her higher levels of estrogen prevent cholesterol deposits from forming on artery walls. By the time Lisa graduates from Yale, however, Marge's risk for heart disease will begin to match his.
LYMPHATIC SYSTEM
If Marge gets a cold, her immune system will respond more forcefully than Homer's immune system. But she is also more likely to suffer from diseases, like rheumatoid arthritis and lupus erythematosus, linked to a highly active immune system that malfunctions.
LIVER
Homer metabolizes beer faster and more efficiently than Marge does, so he is less likely to get a hangover. But that immunity may partly explain why more men are alcoholics.
STOMACH
No one can dispute that Homer is the gourmand of the Simpsons. He is unable to resist pork chops, chocolate and Vaseline. But in the unlikely event that he decided to lose weight, he could diet. For Marge, however, losing weight would require not only giving up Jello desserts, but exercising.
SKELETAL SYSTEM
Homer's body will always produce testosterone, but estrogen production virtually halts when a women goes through menopause. Because these hormones rejuvenate bones, this means that while Homer will always survive cliff falls on Bart's skateboard unscathed, Marge's bones could become more brittle.
MATT GROENING

BEER

BEER + RED BULL

CONTRAINDICATION

BEER AND BEER + RED BULL

WITHOUT

AFTHER RESEARCH


THE FIRST SUMMER SCHOOL
IN ASTRONOMY AND GEOPHYSICS
The BEER SCHOOL
BEER
IT'S WHAT'S FOR DINNER
THANKS FOR YOUR NERVES!!!
CHAOS BY DESIGN.COM
©2003 Chaos By Design.com