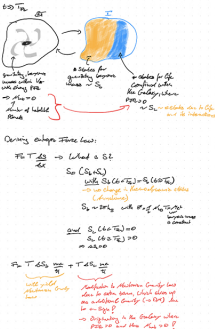
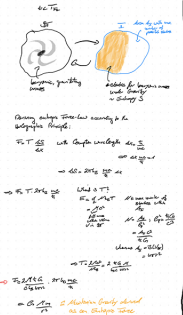


A diagram of a cyclone showing the eye and eyewall. The eye is labeled 'Eye' and the eyewall is labeled 'Eyewall'.

$$b_0 T_n \rightarrow b_0 \overline{T_n}$$

With $\text{pH} \approx 7.0$ and the presence of labile Pb^{2+} , which means chelate ligands are used for Pb^{2+} ⇒ when the biological field is the pH of life has to be considered!

within the Anthropocene Field II
the status of life have to be
considered?


$$F_n \in T_{P_n} S \quad \text{with} \quad x_n = (x_{n1}, x_{n2}, \dots, x_{nN}, M_n)$$

$$P_n = (p_{n1}, p_{n2}, \dots, p_{nN})$$

$F = T \Delta S + T \Delta S$ Ex. by the contributions that come from a fixed energy level thermodynamic states do not change within the volume = see fluctuations

$T \Delta S$ changes T for isobaric
 = $T \Delta S$ changes T for isobaric
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N_0 = number of habitable planets within the considered volume

Assumptions: On the considered time frame for the evolution of life, the thermodynamic states remain constant \Rightarrow To const.

$\Rightarrow F_2 = \text{const.} - \text{Molecular gravity}$

→ What are the dependencies of the Ecology of Life and its study within I 2?

$S_2 \approx$ # of blocks of life within holographic Field II
= 14.5

Note in form depends directly on the number of unavailable elements, else there would be no life

$$\Rightarrow S_f \sim M_{\text{res}} \sim M_p$$

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154

$N = e^{\frac{1}{2}} \cdot e^{i(\phi_0 + \omega t)} = \sum_{n=-\infty}^{\infty} c_n e^{-in\theta}$

with the same number of blocks $\text{size}(CN) = C^{4/3}$ (degree of freedom $N \propto \frac{4}{3}$)

What are the dependencies for number of habitable planets?

→ Following the studies of Behrens & Peckles (2015) and von Bloh et al. (2003).

PFR \rightarrow PFR(LSP) whereas PFR planet formation rate for Giant- like planets.
 \rightarrow correlation with probability for very habitable planets inside of systems with habitable planets.

SFL 2 Bar Formation Rate

Behrens & Peckham (2005): $PFR(L, t) = n \frac{(\sum L(t_i) / 200)^4}{\sum_{i=1}^n L(t_i)} SFR(L, t)$

Wieder von Dieckhoff et al. (2003): $N_p = P(t) = \int_0^t PFE(t') \times P_{\text{ins}}(t-t') dt'$

20) For the numerical results for PPR to H_0 , see Figures in both manuscripts!

⇒ The number of states, N_{site} , in I and hence the Entropy of Life, S_L , depends on the Black Brinkman Rule, PPR, of Earth-like Planet, which depends on mobility and mass of the host Galaxy.

⇒ The escape force of life, E , acts as an additional force and modification to Abelian Gravity, and which acts like $E \propto g$ as an additional form of Gravity, but is usually accounted for as Dark Matter.

⇒ This theory yields predictive observations for WDars, Bullet Cluster, Coma, Little (also for Ark. magg), Casp. Core - Robles.