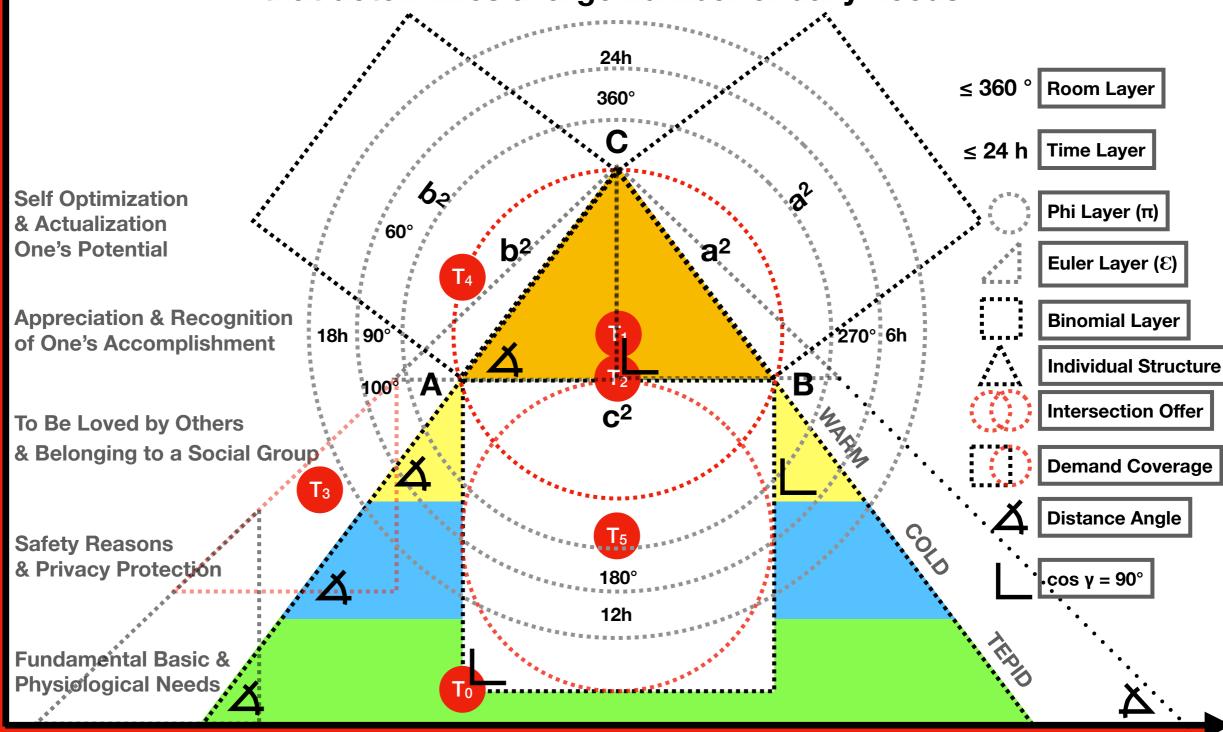# 7d. Simple Psychology in MathDIY: Hierarchy of needs and its downsides using geometry – The Law of Constant Intersections (The Squaring of the Circles 2) –

"There are a few number of different constrains that determines a large number of daily needs"

HIERARCHY OF INDIVIDUAL MOTIVATION (INTENSITY)

INFLUENCE OF SOCIAL NETWORK (DENSITY)

Self Optimization & Actualization One's Potential

Appreciation & Recognition of One's Accomplishment

To Be Loved by Others & Belonging to a Social Group

Safety Reasons & Privacy Protection

Fundamental Basic & Physiological Needs

24h
360°

b_2

60°

b^2

18h 90°

100°

A

c^2

a^2

a^2

270° 6h

B

WARM

COLD

TEPID

180°

12h

T_0 T_1 T_2 T_3 T_4 T_5

C

≤ 360 ° | Room Layer

≤ 24 h | Time Layer

Phi Layer (π)

Euler Layer (Ɛ)

Binomial Layer

Individual Structure

Intersection Offer

Demand Coverage

Distance Angle

cos γ = 90°

$$c^2 = a^2 + b^2 - 2ab \times \cos \gamma$$

$$(x + y)^n := n! : k! \times (n-k)!$$

$$(a+b)^2 = a^2 + 2ab + b^2$$

$$\pi := a : b = (a + b) : a$$

$$(a-b)^2 = a^2 - 2ab + b^2$$

$$Ɛ := 1 + 1/1 + 1/(1 \times 2) + 1/(1 \times 2 \times 3) + \ldots$$

$$(a + b) \times (a - b) = a^2 - b^2$$