

New Mathematical Physics for Energy Change Explanation (Boolean Algebra)

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Abstract—true=1 and false =0. Main body

I. INTRODUCTION

Energy, a fundamental concept in physics, is often regarded as a static quantity. However, the notion of changing this energy state can be reinterpreted through a new algebraic lens. This paper illustrates how we can manipulate the static energy of a body, using true and false values.

Static energy example

Let us consider a body (body A) with an initial static energy of 76 calories. Our goal is to adjust this energy to 78 calories.

Current energy state:

$$E=76 \text{ calories}$$

Target energy state

$$E_t = 78 \text{ calories}$$

Algebraic Representation:

To transform to 78 calories from 76 calories, we utilize our new algebraic definitions:

$$78 \text{ cal} = 0$$

$$\text{Or, } 78 \text{ cal} + 0 \text{ cal} = 0$$

$$\text{Or, } 78 \text{ cal} + (0 \text{ cal} = 0)$$

$$\text{Or, } 78 \text{ cal} + (0 \text{ cal} * 0)$$

$$\text{Or, } 78 \text{ cal} + 0$$

$$\text{Or, } 78 \text{ cal}$$

$$\text{Or, } 78 \text{ cal} = 1 = \text{true}$$

It is possible in another way also,

$$78 \text{ cal} = 0$$

$$\text{Or, } 78 \text{ cal} - 0 \text{ cal} = 0$$

$$\text{Or, } 78 \text{ cal} - (0 \text{ cal} = 0)$$

$$\text{Or, } 78 \text{ cal} - (0 \text{ cal} * 0)$$

$$\text{Or, } 78 \text{ cal} - 0$$

$$\text{Or, } 78 \text{ cal} = 1 = \text{true}$$

Through these representations, we demonstrate that it is feasible to conceptualization changes in energy states using our algebraic framework.

Conclusions: so, we can see that it makes sense to say 1=true and 0=false.

It can explain energy change.