

## 1 SECTION-3: CODE BREAKING of Broken-Symmetry (BS) Math

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3 Studying the dash/cross codes of BS math has allowed the breaking of the codes and the reasons  
4 for the errors in BS math's negative/positive math.

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6 Code 1: Dash sign (-)

7 Math:

8 • (-) used as a subtraction operator

9 • (-) used as a direction in space; labeled negative (whatever that means)

10 • (-) used as an exponent to mean divide  $5^{-2} = \frac{1}{5^2} = \frac{1}{25} = 0.04$ 11 • (-) used to show the number of zeros to the right of a decimal point;  $10^{-5}=0.00001$ 

12 Physics:

13 • (-)negative electron (whatever that means)

14 • (-)negative particles (whatever that means)

15 Chemistry:

16 • (-) thermochemistry; enthalpy, entropy and Gibbs free energy to determine the final sign  
17 associated with a spontaneous process

18

19 Code 2: Cross sign (+)

20 • (+) use as an addition operator

21 • (+) used as a direction in space; labeled positive (whatever that means)

22 • (+) used to show the number of zeros to the left of a decimal point;  $10^{+5} = 100000$ 

23 Physics:

24 • (+) positive proton (whatever that means)

25 • (-) positive particles (whatever that means)

26 Chemistry:

27 • (+) thermochemistry; enthalpy, entropy and Gibbs free energy to determine the final sign  
28 associated with a spontaneous process

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30 The **same** dash symbol (-) is used for **numerous different math operations**. The definitions  
31 established for the use of the dash symbol (-) do not distinguish between their different operations.  
32 In many math operations, the dash symbol is changed to mean one of the other two meanings. It is  
33 amazing that math has proceeded to its current level of use with this illogical use of a symbol.

34 The **same** cross symbol (+) is used for **numerous different math operations**. The definitions  
35 established for the use of the cross symbol (+) do not distinguish between their different  
36 operations. In many math operations, the cross symbol is changed to mean the other meaning.

37 **SYMMETRY BREAKING** - Because BS math uses the same symbol for different operations,  
38 they created a number line system based on broken-symmetry. The negative (- dash) side of the  
39 BS math number line produces different math answers than the positive (+ cross) side of the BS  
40 math number line.

41 • (-)(-)= (+) A symbol on the left side of the BS math number line multiplied by the  
42 same symbol on the left side of the BS math number line is moved to a symbol on the  
43 right side of the BS math number line. **This produces broken symmetry.**

44 • (-)(+)= (-) A symbol on the one side of the BS math number line multiplied by a  
45 symbol on the other side of the BS number line is equal to a symbol, only, on the left side  
46 of the BS math number line. **This produces broken symmetry.**

47 • (+)(+)= (+) A symbol on the right side of the BS math number line multiplied by the  
48 same symbol on the right side of the BS math number line remains on the right side of the  
49 BS number line. **Symmetry is not broken.**