Professional Elegancy ...

Any engineer learns the mathematical notation through which two real numbers, for example,

$$1 + 1 = 2$$

can be written down very simply.

Even so, this form is wrong, for being too trivial and for showing a total lack of style.

Since our very first Math lessons we have known that,

$$1 = \ln(e)$$

and also that,

$$1 = \sin^2(p) + \cos^2(p)$$

besides this, everybody knows that,

$$2 = \sum_{n=0}^{\infty} \left(\frac{1}{2}\right)^n$$

So being, the expression,

$$1 + 1 = 2$$

can be re-written in a more elegant form,

$$\ln(e) + \sin^2(p) + \cos^2(p) = \sum_{n=0}^{\infty} \left(\frac{1}{2}\right)^n$$

which, as we can easily observe, is a lot more scientific and easier to understand.

It is known that:

$$1 = \cosh(q) * \sqrt{1 - \tanh^2(q)}$$

and that,

$$e = \lim_{z \to \infty} \left(1 + \frac{1}{z} \right)^z$$

Hence resulting,

$$\ln(e) + \sin^2(p) + \cos^2(p) = \sum_{n=0}^{\infty} \left(\frac{1}{2}\right)^n$$

and can further be written as follows, offering substantial clarity and transparency,

$$\ln\left(\lim_{z\to\infty}\left(1+\frac{1}{z}\right)^2\right) + \sin^2(p) + \cos^2(p) = \sum_{n=0}^{\infty} \frac{\cosh(q) * \sqrt{1-\tanh^2(q)}}{2^n}$$

Considering that,

$$0! = 1$$

and that the inverted matrix of a transposed matrix equals the transposed matrix of an inverted matrix (presuming an unidimensional space), we obtain the following simplification (using vectorial notation $\overline{X}$),

$$\left(\overline{X}^{T}\right)^{-1} - \left(\overline{X}^{-1}\right)^{T} = 0$$

If both expressions are unified,

$$0! = 1$$

and

$$\left(\overline{X}^{T}\right)^{-1} - \left(\overline{X}^{-1}\right)^{T} = 0$$

we would obviously obtain,

$$\left(\left(\overline{X}^{T}\right)^{-1} - \left(\overline{X}^{-1}\right)^{T}\right)! = 1$$

Applying the above simplifications

$$\ln\left(\lim_{z\to\infty}\left(1+\frac{1}{z}\right)^2\right)+\sin^2(p)+\cos^2(p)=\sum_{n=0}^{\infty}\frac{\cosh(q)*\sqrt{1-\tanh^2(q)}}{2^n}$$

Obtaining finally, in a total elegant form, legible, brief and comprehensible to anyone, the equation:

$$\ln\left(\lim_{z\to\infty}\left(\left(\left(\left(\overline{X}^{T}\right)^{-1}-\left(\overline{X}^{-1}\right)^{T}\right)!+\frac{1}{z}\right)^2\right)\right)+\sin^2(p)+\cos^2(p)=\sum_{n=0}^{\infty}\frac{\cosh(q)*\sqrt{1-\tanh^2(q)}}{2^n}$$

(which, being honest, is by far more professional than the original $1+1=2$)

Send this message to a wise and intelligent person. Send it also to your friends, who will come to appreciate your sensible and humble engineering soul …

Céad Mile Failtè

(Irish Gaelic)