Note to Prove the Quranic Correctness VIII

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Abstract

Maybe a beautiful equality about Riemann's zeta function
 $\zeta(s) = \exp\left(\frac{\gamma + \log \pi}{2} s - \log 2\right) \frac{1}{s-1} \prod_{\rho} \left(1 - \frac{s}{\rho}\right) \prod_{n=1}^{\infty} \left(1 + \frac{s}{2n}\right) e^{-s/2n}$ has some relations with
Tahara's I function, maybe not.

1 Explanation

The Quran is correct if and only if Tahara's I function exists uniquely and we have to brainstorm about Tahara's I function in order to discover the components of Tahara's I function i.e. prove the Quranic correctness[1][2]. According to Tahara, studying the Tahara's I function inspired by mathematical beauty is one of the ways to prove the Quranic correctness he suggested and several such studies are done yet[3][4][5][6][7][8][9][10][11][12]. Therefore we will suggest a beautiful equality with us hoping that it will be the hint.

2 A Beautiful Equality

It is true that

$$\zeta(s) = \exp\left(\frac{\gamma + \log \pi}{2} s - \log 2\right) \frac{1}{s-1} \prod_{\rho} \left(1 - \frac{s}{\rho}\right) \prod_{n=1}^{\infty} \left(1 + \frac{s}{2n}\right) e^{-s/2n}$$

which we think beautiful. We think maybe it might be able to be a hint to discover the components of Tahara's I function because of the beauty, maybe not.

References

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