

Riemann Hypothesis

solved by Dr. Enoch Opeyemi

By Dr. Nina Ringo

***“If I were to awaken after having slept for a thousand years, my first question would be:
Has the Riemann hypothesis been proven?”
David Hilbert***

I – Dr. Nina Ringo, member of the Org. Committee of ICMCS 2015 held in Vienna Austria and the Chair of the conference, confirm that on the 11th November 2015, Dr. Enoch Opeyemi from Nigeria has made an oral presentation titled “A Matrix That Generates the Point Spectral of the Riemann Zeta Function” where he had presented the proof of Riemann Hypothesis.

The method of proof is entirely original and the construction of the proof is clear and elegant.

I want to remind that the Riemann zeta function plays a pivotal role in the analytic number theory and has applications in physics, probability theory, and statistics.

In his research Dr. Enoch Opeyemi presents some meromorphic functions which have the same results as the Riemann zeta function $\zeta(z)$.

By writing $\zeta(z)\overline{\zeta(z)}$ as a bilinear function and through the use of Sobolev space theorem an optimization problem is derived.

Some methods of solution are presented.

Dr. Enoch Opeyemi being a true researcher got acquainted with the history of the problem, bringing attention to the famous but never published conjecture that zeros of the Riemann zeta function correspond to the eigenvalues of a self-adjoint Hermitian operator.

Reports in the media about the Proof of Riemann Hypothesis by Dr. Enoch Opeyemi were followed by a smear campaign by people who did not even have any possibility to read and evaluate his work.

I want to remind the mathematical community of the world that any speculation, unfounded conclusions and slander in the media are not acceptable. Malicious slander is punishable by law.

There were allegations that Dr. Enoch Opeyemi has plagiarized an article from Werner Raab.

This allegation is completely unfounded and false.

Right now the Proof of Riemann Hypothesis by Dr. Enoch Opeyemi has been published in the International Scientific Journal – Journal of Mathematics Vol 1, Issue 2, 2015, ISBN-13: 978-1519389695, ISBN-10: 1519389698 and is [available to purchase on Amazon](#).

In his paper Dr. Enoch Opeyemi proved that Meromorphic functions that are equivalent to the Riemann zeta function are given as:

$$\zeta(z) = \frac{(kz^2 - kz + p(j))(z + 2n)}{(z - 1)}$$

Or

$$\zeta(z) = \frac{(kz^2 - kz + p(j))(z + 2n)}{(e^{z-1} - 1)}$$

The author proves the possibility to express the Riemann zeta function as a matrix of the form

$$z \rightarrow \mathfrak{R}(z) = \begin{bmatrix} \text{Re}(z) & -\text{Im}(z) \\ \text{Im}(z) & \text{Re}(z) \end{bmatrix}$$

The matrix has its application in quantum Information Theory and in Quantum Computing.

The author presents the proof of the following statement.

Let $\Delta\zeta(z)$ represent the characteristic Polynomial of the matrix associated with the Riemann Zeta function then,

$$\Delta\zeta(z) = z^3 + \text{tr}(z)z^2 + (\zeta(z)_{11} + \zeta(z)_{22} + \zeta(z)_{33})z - \det(\text{of the matrix}).$$

The proof of the Riemann Hypothesis is on the list of the seven "Millennium Prize Problems" and for resolving any of them the Clay Mathematics Institute in the United States will pay a reward of one million dollars.

This problem was left unsolved for 156 years and now Dr. Enoch Opeyemi has unlocked this mathematical puzzle of the millennium.

