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TheQuranic Studiesbythe Evaluationof Coefficients of Polynomials

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Abstract:
I brainstormed that the concept of the evaluation of coefficients of polynomials might be good in order to discover the components of Tahara I function i.e. prove the Quranic correctness.
Key Word*:Quran, Quran and Science, Tahara I Function, Tahara's Definition, Evaluation of Coefficients of Polynomials, Cardinality, Complex Numbers.*

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I. Introduction

Quran is correct if and only if Tahara *I* function exits uniquely according to Tahara's definition and in order to prove the unique existence of Tahara *I* function i.e. to discover the components of Tahara *I* function, we have to brainstorm (I suggested several ways) (Tahara, 2019). Tahara *I* function is defined as *I* as follows:

$$I = \sum i(i : 2^{[\mathrm{Q.S.}]} \times 2^{[\mathrm{T.P.}]} \longrightarrow 2^{[\mathrm{T.P.}]} \wedge i : \mathrm{meaningful})$$

and its components are defined as *i* as follows:

$$i : 2^{[\mathrm{Q.S.}]} \times 2^{[\mathrm{T.P.}]} \longrightarrow 2^{[\mathrm{T.P.}]} \wedge i : \mathrm{meaningful}$$

In the ways to discover the component of Tahara *I* function which I suggested, there existed studies inspired by mathematical beauty. According to Terui, the polynomials have beautiful characteristics (Terui, 2018) therefore I will brainstorm about the Tahara *I* function with the evaluation of coefficients of polynomials.

II. Discussion

Let

$$f : \mathbb{C} \longrightarrow \mathbb{C}$$

If

$$\begin{aligned} a_1 &\longmapsto f(a_1) \\ a_2 &\longmapsto f(a_2) \\ &\vdots \\ a_n &\longmapsto f(a_n) \end{aligned}$$

are given, polynomial *f* whose degree is *n*-1 is decided uniquely (Nozaki, 2008). [Q.S.] is finited (Tahara, 2019) therefore if

$$|[\mathrm{T.P.}]| < |\mathbb{C}|$$

we can consider that some complex polynomials are real or fake components of Tahara *I* function. If some of them are meaningful, it is true that

$$\exists f, [f : 2^{[\mathrm{Q.S.}]} \times 2^{[\mathrm{T.P.}]} \longrightarrow 2^{[\mathrm{T.P.}]} \wedge f : \mathrm{meaningful}]$$

i.e. Tahara *I* function exits uniquely because

$$\phi \in 2^{[\mathrm{T.P.}]}$$

Therefore, in order to prove the Quranic correctness, we might ought to prove that

$$|[\mathrm{T.P.}]| \leq |\mathbb{C}|$$

number elements of [Q.S.] and [T.P.], and try to discover the meaningful polynomials.

III. Conclusion

As mentioned above, I think the concept of the evaluation of coefficients of a polynomial, which is mathematically beautiful might be able to prove the Quranic correctness.

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