Quran Triplets

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Abstract

In Surat Alfatiha (1), there are seven verses, twenty nine words and 139 letters. These three numbers form an interesting triplet of prime numbers. This short paper shows that this triplet is the first of a series of triplets where the triplet is formed of consecutive additive primes (7, 11, and 13 in this case).

Introduction

Ali Adams [1] had noticed that the Quran is formed of 114 chapters (Suras). The first of which is called Alfatiha which is often translated as the Opener but he theorized that it should be translated as the Key.

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Quran	= Key + Message						
114chapters	= 1 + 113	unit and additive prime					
6236 verses	= 7 + 6229	additive primes					
where							
Key = 7 verses = 29 words = 139 letters							
and							

729139, 139, 29, 7and 139297 are all additive prime numbers.

We here show that 7, 29 and 139 are the first of what we are calling Quran Triplets. These are triplets that are formed of consecutive additive primes (7, 11, and 13 in this case) and share the same properties.

Quran Triplets

Let a, b, c be odd primes (e.g. 7, 29, 139).

Let s1, s2, s3 be the digit sums of a, b, c respectively (e.g. 7=7, 2+9=11, 1+3+9=13).

Let a_b_c be the number resulting from joining a, b and c (e.g. 7, 29, 139 become 729139).

Let c_b_b as the number resulting from joining c, b and a (e.g. 7, 29, 139 become 139297).

Then the triple $\{a, b, c\}$ is a Quran Triplet if it satisfies the following conditions:

(1) s1 < s2 < s3 are consecutive primes,

- (2) s1 + s2 + s3 is prime,
- (3) a_b_c and c_b_a are both prime.

7	29	139	7	83	337
7	29	373	7	83	373
7	29	1327	7	83	1039
7	29	2083	7	83	1381
7	29	3217	7	83	3109
7	29	4603	7	83	7321
7	47	157	7	137	733
7	47	1831	7	353	373
7	47	4153	23	61	353
7	47	6151			
7	83	283			
7	83	337			

First few triples:

Table 1: First few triplets

In above triplets, there are some that are even more interesting where their digit reversal is also a prime. Here are the first few such triplets:

7	47	157	7	83	3109
7	47	1831	7	83	7321
7	47	4153	7	137	733
7	83	337	7	353	373
7	83	1039	•••	•••	

Table 2: Triblets which reversal is also prime

References

- 1. The Holy Quran
- 2. Ali Adams, "Quran and primaogy: Prime numbers and the key," J.

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