The Goldbach conjecture holds for 60

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April 25, 2021

1 Abstract
A long standing conjecture by Goldbach states that every even integer greater than two can be written as a sum of two prime numbers. In this paper, we present the proof that the conjecture is true for 60.

2 The proof
The proof is based on the beautiful theorem by A. Grothendieck [1]:

Theorem 2.1 (Grothendieck). 57 is a prime number.

We apply this to prove the main result:

Theorem 2.2. The Goldbach conjecture is true for 60.

Proof. We know from school that 3 is a prime number. By theorem 2.1, so is 57. Therefore, we have the decomposition 60 = 3 + 57. This proves the claim. □

3 References
[1] Schizo ramblings in some conference or something