

Why must Polignac's conjecture be true?



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"Repetition is required for more growth, and growth is required for more repetition." 🤔

"Efficiency Law" states that the repetition of prime gaps (**even integers**) between successive prime numbers and the growth of prime gaps between successive prime numbers are essential for the efficient generation of all composites (all positive integers that are not prime) in accordance with the **Fundamental Theorem of Arithmetic** and in accordance with the **Prime Number Theorem**.^{[1][2]}

Thus, Polignac's conjecture must be true, and it is true! 👍 👍

Proof Hints (H):

H1: Refer to footnote link [1] below.

H2: For all successive positive primes,

$$p < q \text{ with } q - p = 2k,$$

what is the probability for **any given 2k** (e.g. **2k** = 188) that successive primes, $p < q$, **will never occur** over all positive primes? Answer is **zero**.

H3: For all successive positive primes,

$$p < q \text{ with } q - p = 2k,$$

what is the probability for **any given 2k** (e.g. **2k** = 188) that successive primes, $p < q$, **will stop occurring** over all positive primes? Answer is **zero**.

H4: Growth of prime gaps (2k) for successive primes,

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That's enough hints to formulate a valid proof of Polignac's conjecture. Good luck! 🍀

Explore what the proven Polignac's conjecture say about the composites formed from a product of some successive primes...

For example: $(3*5)(7*11)(23*29)...$

Remark: I do appreciate feedback for my work, but someone was quite insulting to me today (6/28/24)... And therefore, I disabled comments for my work here. Stuff happens...

Footnotes

[1] [What three parameters could make secured channels?](#)

[2] [Montgomery's pair correlation conjecture - Wikipedia](#)

[3] [Prime number theorem - Wikipedia](#)

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About the Author



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Helped defend the Riemann Hypothesis (RH). RH is true! 👍 👍

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