

Worksheet: Prime Number Theorem

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Studying the Prime Number Theorem was meant just to be a template of a much broader class. In my opinion, the arguments are not very visual, or “elementary”. Many people are making the point that “elementary” proofs are more complicated than the Complex Analysis proof.

If I complain that way, and have received such a negative response, then I can argue in a visual elementary way, and the proof should new. Since all PNT problems seem to be about the hardness, I could imagine two engines for a proof:

- Stirling’s formula
- Horocycle flow

So far I haven’t been able to give a complete answer. Every day I’m learning a bit.

References

(1) ...