Barak Shoshany + Follow @BarakShoshany BrockU physics professor (ħe/ħim). Research: time & causality, FTL/time travel, scientific computing. Atheist, composer, gamemaster, punslinger, skeptic, vegan. What's happening World news · Yesterday Xi Jinping poised for unprecedented third term as China's president Trending with China Trending **Amtrak** Telegraph World N... 🗸 · Yesterday Invasion fears mount as Russia sends 9,000 troops to Belarus border Trending Whites 14.1K Tweets 던 🔈 Messages

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Replying to @BarakShoshany Dirichlet character magic

17

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See section 4.4 for the proof here

Replying to @MarcusErve and @BarakShoshany

 $^{\circ}$ 36

This is arising from the DirichletL function for the non-principal character

Also note that if you've seen a proof that Pi is irrational, this also gives you

then a very heavy handed proof that there are infinitely many primes (since

mod 4, and then connecting that to arctan. See section 4.4 from

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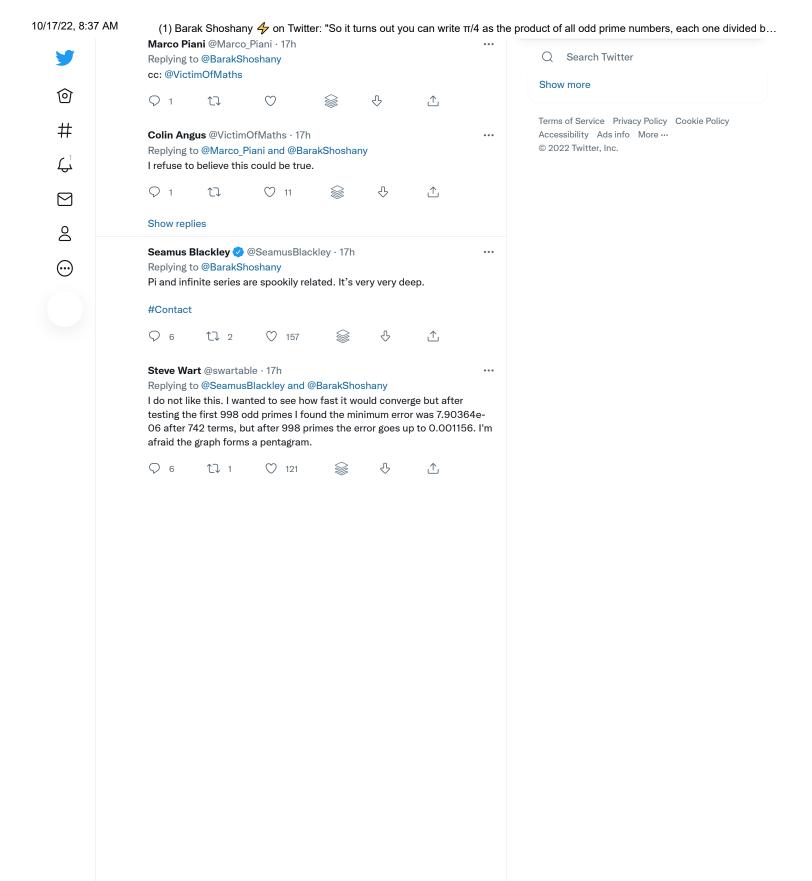
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otherwise this produit would be finite and rational).

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