



Douglas C <douglas@dc87.net>

Seeking Your Insight on a Mathematical Development (From a former student)

3 messages

Douglas C <douglas@dc87.net>

Tue, Jul 30, 2024 at 1:01 PM

To: cynthia.rodgers@hsv-k12.org

Bcc: Joann Chiri <joannchiri@yahoo.com>, Douglas Chiri <dwchiri@crimson.ua.edu>

Dear Ms. Rodgers,

I hope this email finds you well. You may or may not remember me, but I had the pleasure of being your student in Algebra 2/Trig in the 2003-2004 academic year. My name is Douglas Chiri, and I am reaching out to you because of the profound impact you had on my mathematical journey.

I remember well your impressive background as a mathematician before transitioning to education. Your ability to bridge complex mathematical concepts with real-world engineering applications has been incredibly useful to me. I learned most of my "favorite tricks" that year, from you.

Recently, I've been deeply involved in a series of mathematical explorations and discussions, with focus on complex analysis, analytical continuation, and the broader implications of extending mathematical frameworks to include complex vector spaces. These discussions have led to some intriguing insights that I believe could contribute to our understanding of fundamental mathematical concepts.

Given your extensive background and your experience in mathematics, I would greatly value your perspective on these ideas.

Specifically, we've been examining the behavior of the Riemann zeta function, its implications for higher-dimensional mathematics, and a potential proof of the Riemann hypothesis. I assure you, it's been a fascinating journey.

At this point, we've arrived at what seems, to my eye, a fairly convincing argument, and, given the nature of the work, a fresh opinion would be invaluable. -- To be honest, the elegance and simplicity of the findings are rather striking, and, to be honest, I almost can't believe the results, even though it "seems solid."

Thank you so much for your time and consideration. I look forward to the possibility of reconnecting and discussing these exciting developments with you.

Warm regards,

Douglas Chiri
Class of 2006
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256.348.1130

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Rodgers, Cynthia <cynthia.rodgers@hsv-k12.org>

Tue, Jul 30, 2024 at 2:35 PM

To: douglas@dc87.net

I am so happy to hear from you! Yes, I would be interested in seeing what you're exploring though I'm not sure how much help I would be. I have spent 30 years in high school math and don't remember very much of my college math, but am always glad to learn!

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Cindy Rodgers, Grissom High School
AP BC Calculus, AP Precalculus, Honors Algebra I, and Math Seminar II, III
Rocket City International Math League Faculty Advisor
Greenpower Team Coach
NISE STEM Certified

Douglas C <douglas@dc87.net>

Mon, Aug 5, 2024 at 12:09 PM

To: "Rodgers, Cynthia" <cynthia.rodgers@hsv-k12.org>

Bcc: Joann Chiri <joannchiri@yahoo.com>

It's fantastic to hear back from you! I appreciate your willingness to take a look at what we're exploring. Given your extensive experience, I'm confident that you'll find the concepts quite approachable.

The work involves a good bit of (surprise!) trigonometry, which I know you have well covered. The most involved parts might be the eigenvalues and the second derivative when we solve the Schrödinger equation, but I believe you'll handle that with ease given your background.

I know school is getting ready to start. I'd love to see the new campus, or if you'd prefer, we could get together over coffee or lunch. I suspect that the whiteboards (if they still exist!) might be helpful!

I'm excited to share the details with you and look forward to your insights. Your perspective will be invaluable!

Best regards,

Doug

Douglas Chiri

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