

# DEEPLY UNSATISFACTORY STATE OF HUMAN UNDERSTANDING OF RELATION BETWEEN EXTERNAL NATURE AND MATHEMATICS

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From my point of view, most of the things I have heard, broadly, and read, for my entire life, including all manner of popular and professional books on various topics, attending lectures at Princeton—at least in Mathematics and Humanities, reading history of Mathematics from professional historians. All things considered, there is nothing but platitudes and sophistry here. There is nothing deeply satisfying at all. They are soundbites for Nova, some euphoric pronouncements by the lovestruck. The topic itself had lost value when physics diverged from Mathematics strongly early in the nineteenth century.

I am genuinely interested in this problem, because I think there are significant issues here and significant understanding to be gained in this direction that will have transformative effects for the future of my beloved people the human race.

What exists here are anecdotes. Eugene Wigner wrote a paper in 1960s entitled *The Unreasonable Effectiveness of Mathematics in the Natural Sciences*. It's interesting, but it's not interesting if you want serious answers. These are topics that seem to be for motivating students that something or other is interesting. This point of view will not allow us to have sense for where both Science and Mathematics can go. Without serious effort in trying to grapple with these issues with solid work, we are going to be drifting in the open chaotic seas.

I know that I am not yet bringing solid new ground on these issues. I am right now just honing my skills in Mathematical Analysis at Stanford Ph.D. Quals level. I make this a serious purpose; I think Stanford Ph.D. Quals level is a good level, and I don't know the gradations of all levels, but I understand this level and it's the right level for me for Mathematical Analysis.

But I will be quite honest and say clearly that I am not interested in advancing Mathematical knowledge further. I am interested in this problem more of the relation of Mathematics and Nature, because my Four-Sphere Theory succeeded strongly, and I am certain that it is right and it is absolute truth, but I don't comprehend how this is even possible.