

PRIORITY FOR LIMIT AND CONTINUITY WAS BOLZANO NOT CAUCHY

ZULFIKAR MOINUDDIN AHMED

I cannot believe this rubbish. Bernard Bolzano the Bohemian mathematician defined limits and continuity in 1818 and not Augustin Louis Cauchy [1]. Where is honour in this world? Why aren't things called Bolzano sequences and instead called Cauchy sequences?

I am outraged again. I thank R. M. Dudley's great historical scholarship for this. Soon they will steal credit for my beautiful Four-Sphere Theory, my baby, and my Ahmed-d'Alembert law and give some other man's name to the S4 Electromagnetic law.

I will not stand for this. I am totally outraged by this behaviour. Why did people give Bolzano's limit and continuity definitions to Cauchy?

Four-Sphere Theory and S4 Electromagnetic law is mine. I have extensive historical record of it. I have archived work with dates of my PDF notes [2]. It's mine. It's mine and I don't want anyone taking my baby away from me. I worked on it for a decade and it's mine.

1. MAURICE FRECHET WAS RESPONSIBLE FOR THIS CALUMNY

In Maurice Frechet's thesis of 1906, he introduced *metric space* and then instead of calling the criterion *Bolzano condition* he said x_n is *Cauchy* if for every $\epsilon > 0$ there exists N such that $d(x_j, x_k) < \epsilon$ for all $j, k \geq N$. Obviously he ought to have called the condition *Bolzano* and not *Cauchy*.

All Mathematicians will look very bad unless this changes since I will make a hue and cry at United Nations.

2. THE RESOLUTION OF THESE THINGS IS EASY

Why don't Mathematicians put a task force to examine all the work done by Bernard Bolzano, by Augustin Louis Cauchy, find who did what and give them their due credit properly? Why are these things so hard for Mathematicians? Why can't people do the right thing in this world?

REFERENCES

- [1] I. Grattan-Guinness, *The Development of Foundations of Analysis From Euler to Riemann*, MIT Press, 1970
- [2] <https://github.com/zulf73/S4TheoryNotes>