

CSAAPT Fall 2022 Semi-Virtual Meeting



Chesapeake Section of the
American Association of Physics Teachers
Fall 2022 Semi-Virtual Meeting
October 22, 2022 in Falls Church, VA

Contribution ID: 2

Type: **talk (15-minute)**

Is Relativity in HS Crazy?

Saturday, October 22, 2022 2:30 PM (15 minutes)

Due to the advent of Quantum Computing Technologies, there has been a rush to reinvent the teaching of quantum mechanics in order to better train the future work force for that field. At the past few CSAAPT Meetings, we heard many talks on newly developed methods to teach the essence of quantum mechanics to high school students. But what about the other pillar of modern physics, namely relativity? Is it crazy to try to teach relativity to high school students? In this talk, I will argue that it is not, and that the best way to do it is to avoid the use of equations altogether and explain everything using pictures called “spacetime diagrams.”

Presenter: TAKEUCHI, Tatsu (Virginia Tech)

Session Classification: Afternoon Session 1B (Chair: Tatsu Takeuchi, Zoom Monitor: Elena Kuchina)