

LECTURE SERIES

Mathematical Science Literature

December 2, 2020

8:00am ET- Virtually



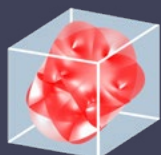
Arthur Jaffe
Harvard University

“ Is relativity compatible with quantum theory?”

We review the background, mathematical progress, and open questions in the effort to determine whether one can combine quantum mechanics, special relativity, and interaction together into one mathematical theory. This field of mathematics is known as “constructive quantum field theory.” Physicists believe that such a theory describes experimental measurements made over a 70 year period and now refined to 13-decimal-point precision—the most accurate experiments ever performed.

Talk chair: Zhengwei Liu

This lecture will be held virtually.
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