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What if Quantum theory violates all Mathematics?

It is shown by using a rather elementary argument in Mathematical Logic that if indeed, quantum theory does violate the famous Bell Inequalities, then quantum theory must inevitably also violate all valid mathematical statements, and in particular, such basic algebraic relations like $0=0$, $1=1$, $2=2$, $3=3$,... and so on.

An interest in that result is due to the following three alternatives which it imposes upon both Physics and Mathematics:

- Quantum Theory is inconsistent
- Quantum Theory together with Mathematics are inconsistent.


- Mathematics is inconsistent.

In this regard one should recall that, up until now, it is not known whether Mathematics is indeed consistent.

Speaker Biography

Elemer Elad Rosinger obtained his Doctorate of Science in 1972 at the University of Bucharest, Romania. He has over 200 research papers published in mathematics and physics, as well as over a dozen research monographs. During 1983-2002 he was at the University of Pretoria, where after retirement he continues to be Emeritus Professor. Recently, he opened the Gottfried Wilhelm Leibniz Basic Research Institute, GWL-BRI (Public Benefit Organization, PBO), Johannesburg, South Africa

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