

BETWEEN MODEL THEORY AND PHYSICS

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There are several important issues in physics which model theory have potential to help with. First of all, there is the issue of adequate language and formalism, and closely related to this there is a more specific problem of giving rigorous meanings to limits and integrals used by physicists.

I will present a variation of *positive model theory* which addresses these issues and will discuss some progress in defining and calculating oscillating integrals of importance in quantum physics.

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