Celebrating the Choi-Jamiołkowski Isomorphism



Celebrating the Choi-Jamiołkowski Isomorphism

March 1-2, 2023 (Endorsed by the National Center for Quantum Informatics (KCIK), Gdańsk)



Contribution ID: 3 Type: not specified

The Heisenberg groups and the dimensions of Hilbert spaces

Wednesday, 1 March 2023 18:25 (30 minutes)

Finite Heisenberg groups have a certain universal status. In every finite dimensional Hilbert space there is at least one Heisenberg group that acts irreducibly in this dimension, and in no other. I will describe some dimension dependent structures that arise in this way, and some connections between seemingly different dimensions that arise from them.

Primary author: BENGTSSON, Ingemar (Stockholms Universitet, Fysikum)

Presenter: BENGTSSON, Ingemar (Stockholms Universitet, Fysikum)