

Antiquantisation, isomonodromic deformations and transforms preserving monodromie

Sergey Yu. Slavyanov

St Petersburg State University, St Petersburg, Russia

By antiquantisation is meant substitution of quantum variables in a Hamiltonian by classical ones. By isomonodromic transformations is meant addition to one-dimensional Schrödinger equation an apparent singularity. It will be explained in what sense these operations are equivalent. It will also be shown how certain integral transformations in quantum mechanics correspond to Okamura transforms preserving monodromie.