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## **Minisymposium 23 - Mathematische Physik und Informationstheorie**

### **Qubit tomography**

DÉNES PETZ (BUDAPEST)

Several state estimation schemas are studied and compared for the unknown density matrix of a 2-level quantum system. There is a difference between the cases of pure and mixed states. A special estimation task for the state of a composite system of two qubits leads to the concept of complementary subalgebras.