

**Piotr Sołtan**

## **Some quantum spaces which are not quantum groups**

I will present a technique of proving that a certain compact quantum space does not admit any structure of a compact quantum group. The guiding example will be the quantum disk also known as the quantum space behind the Toeplitz algebra. At the end of the talk I will mention some other cases to which a similar technique can be applied and say a few words about extending this technique to the von Neumann algebraic description of compact quantum groups.