

## QUANTUM METRICS FROM QUANTUM GROUPS

DAVID KYED

In Rieffel's theory of compact quantum metric spaces, it is often quite difficult to verify if a given candidate is indeed a quantum metric. In my talk, I will describe a framework which allows one to reduce the problem to a subalgebra and show how this can be applied to obtain new quantum metrics from length functions on quantum groups, and to recover existing results for  $q$ -deformations. Based on joint works with Konrad Aguilar, Are Austad and Jens Kaad.