

## **Moebius characterizations of the boundaries of complex hyperbolic spaces**

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### **Abstract:**

There is a deep and well known relationship between the geometry of the classical hyperbolic space and the Moebius geometry of its boundary at infinity. We generalize this relation to more general negatively curved spaces. In particular we are interested in a characterization of the boundaries of rank one symmetric spaces in terms of Moebius geometry.

This is joined work with Thomas Foertsch and Sergei Buyalo.