Title: Inclusion relations of hyperbolic type metric balls

Author(s): Riku Klén and Matti Vuorinen

We will consider inclusion of metric balls defined by the quasihyperbolic, the \( j \)-metric and the chordal metric. The quasihyperbolic metric and the \( j \)-metric are considered in general subdomains of \( \mathbb{R}^n \) and in some particular domains like \( \mathbb{R}^n \setminus \{0\} \) and the upper half-space.

Address:
Riku Klén
Department of Mathematics
and statistics
University of Turku
FI-20014, Turku
Finland

Address:
Matti Vuorinen
Department of Mathematics
and statistics
University of Turku
FI-20014, Turku
Finland