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Title: Inclusion relations of hyperbolic type metric balls

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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.

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