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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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