Gromov hyperbolicity and precise estimates for certain distances in \mathbb{R}^d

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In the first part of the talk, we will prove that strongly minimally convex domains are Gromov hyperbolic with respect to the minimal metric by establishing estimates similar to those of Balogh and Bonk for the Kobayashi metric in strongly pseudoconvex domains. In the second part, we will improve previous estimates for certain Finsler metrics in domains of \mathbb{R}^d . These metrics include the Kobayashi-Hilbert metric near strongly convex points, the minimal metric near convex and strongly minimally convex points, and the *k*-quasi-hyperbolic metric in *k*-strongly convex domains.

The second part of the talk is based on joint work with N. Nikolov.