Isometries in the diamond

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In this talk we will discuss (anti)holomophicity of Kobayashi isometries. In particular we will show that in diamond i.e. $\Delta := \{(z_1, z_2) \in \mathbb{C}^2 : |z_1| + |z_2| < 1\}$ the Kobayashi isometries are (anti)holomoprhic. Further we will briefly discuss the problem of uniqueness of real geodesics, left inverses and strict convexity of indicatrices.