

Title: The Alexandrov problem in a quotient space of $H^2 \times \mathbb{R}$.

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Abstract: In this talk we will prove an Alexandrov type theorem for a quotient space of $H^2 \times \mathbb{R}$. More precisely, we will classify the compact embedded surfaces with constant mean curvature in the quotient of $H^2 \times \mathbb{R}$ by a subgroup of isometries generated by a parabolic translation along horocycles of H^2 and a vertical translation.