

# Minimal graphs in $\mathbb{H}^2 \times \mathbb{R}$

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## Abstract

Following the ideas of Jenkins and Serrin, we solve the Dirichlet problem for minimal surfaces in  $\mathbb{H}^2 \times \mathbb{R}$  on con-convex domains of the hiperbolic plane with possibly infinite boundary data. As a particular case, we obtain a minimal vertical graph in  $\mathbb{H}^2 \times \mathbb{R}$  with non-zero flux.