

## ON CONSTANT MEAN CURVATURE SURFACES IN THE HEISENBERG GROUP

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This work is devoted to the theory of surfaces of constant mean curvature in the three-dimensional Heisenberg group. It is proved that each surface of such a kind locally corresponds to some solution of the system of a sine-Gordon type equation and a first order partial differential equation.

*Key words and phrases:* Heisenberg group, constant mean curvature surface.

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