

Colloquium

An approach to classify constant p -mean curvature surfaces in the Heisenberg group

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線上演講 (Google Meet)

<https://meet.google.com/wio-yzxx-hbm>

摘 要：

The Sine-Gordon equation was discovered in the 19 century and S. S. Chern in 1981 gave a geometric interpretation of solutions to the Sine-Gordon equation, that is the pseudosphere. This relates partial differential equations and differential geometry. Such a relation gives rise to the study of integrable systems and geometries. Motivated by this study, we will introduce an approach to characterize constant p -mean curvature surfaces in the Heisenberg group, and present our recent results in this direction.

