

Mahidol University International College

MUIC MATHEMATICS SEMINAR

Speaker: Dmitry Berdinsky (Mahidol University)

Title: *CMC surfaces and the Willmore-like functional in the Heisenberg group and some other Thurston geometries*

Abstract

In this talk we will discuss some results and problems for the surface theory in the Thurston geometries focusing mainly on the Heisenberg group. The topics to be discussed include minimal surfaces, CMC (constant mean curvature) surfaces and the Willmore-like functionals. several identities.