

國立陽明交通大學應用數學系 學術演講公告

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講 題： Generalizations of the theorems of Pappus-Guldin
in the Heisenberg groups

時 間：111 年 5 月 24 日(星期二) 下午 2:00 –3:00

地 點：(光復校區) 科學一館 223 室

Abstract

In this talk, we will present the recent results about areas (called p -areas) and volumes for parametric surfaces in the 3D-Heisenberg group, which is considered as a flat model of pseudo-hermitian manifolds. We derive the formulas of p -areas and volumes for parametric surfaces and show that the classical result of Pappus-Guldin theorems for surface areas and volumes hold if the surfaces satisfy some geometric properties. Some examples are also provided, including the surfaces with constant p -mean curvatures.

敬請公告 歡迎參加

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