

Department of Mathematics

COLLEGE OF ARTS AND SCIENCES
100th YEAR ANNIVERSARY
THE UNIVERSITY OF TOLEDO

SPECIAL LECTURE SERIES

Professor Rafael López
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Universidad de Granada, Spain

PLEASE NOTE:

THE LECTURE ON MONDAY, SEPTEMBER 21, 2009, HAS BEEN CANCELED.

Wednesday, September 23, 2009 - 2:00 - 3:00 PM - UH 2210

Applied Analysis Seminar

Mean curvature, Physics, PDEs
Part II of a Series

Abstract: In physical phenomenon related with capillarity, interfaces are modeled by surfaces whose mean curvature satisfies a certain equation. The simplest case is that the mean curvature is a constant function (for example, in microgravity environment). The focus of this talk is to show different scenes and the possible geometric configurations that the surfaces can adopt. We discuss results and we introduce the techniques, specially those that come from the PDEs theory.

Light refreshments will be served in UH 2040 at 3:00pm.