

# Symmetric affine surfaces with torsion

**Professor Peter Gilkey**

*University of Oregon, Estados Unidos.*

"We study symmetric affine surfaces which have non-vanishing torsion tensor.

We give a complete classification of the local geometries possible if the torsion is assumed

parallel; this generalizes a previous result of Opozda in the torsion free setting; these geometries

are all locally homogeneous. If the torsion is not parallel, we assume the underlying surface is

locally homogeneous and provide a complete classification in this setting as well.

Remark: This is joint work with D'Ascanio and P. Pisani of the Instituto de Física La Plata."

**Data:** **Mércores 10 de xullo de 2019.**

**Lugar:** **Aula 7, Facultade de Matemáticas.**

**Duración:** **1 hora.**

**Hora:** **16:00h.**

