

---

# CONSTANT MEAN CURVATURE SURFACES IN HOMOGENEOUS SPACES

---

Magdalena RODRÍGUEZ

*Universidad de Granada, Spain*

In this talk we will explain the conjugation method for constructing constant mean curvature surfaces in the homogeneous spaces  $E(k, \tau)$  with isometry group of dimension four and describe some of the examples we can obtain. Some of these examples will show that Krust's property does not hold when  $\tau \neq 0$ . We will also explain some properties for constant mean curvature surfaces in these spaces.