SEMINARIO DE GEOMETRÍA ALGEBRAICA

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Impartirá la conferencia

Going around an analytic nullstellensatz

Summary: Let R be a ring of real or complex analytic functions and let $\alpha \subset R$ be an ideal. The *Nullstellensatz* asks to carachterize the ideal of all functions in R vanishing on the zero set of α.

We shall review this problem first in the complex case , then we shall see what is known and what can be proved in the real case, in particular when R is the ring of analytic functions on the euclidean space of dimension 3.