Complete complex hypersurfaces in the ball

A. Alarcón[1]

[1] *Dpto. de Geometría y Topología e Instituto de Matemáticas (IMAG), Universidad de Granada (Spain).*
E-mail: `alarcon@ugr.es`.

Resumen

In 1977 Paul Yang [1] posed the question whether there are complex submanifolds in a complex Euclidean space which are bounded and complete in the classical sense of Riemannian geometry. The answer is yes, there are. In this talk we will review the history of this problem and explain, without requiring the audience to have specialized knowledge, some of the recent progresses in the topic.

Referencias

[1] P. Yang. *Curvatures of complex submanifolds of C^n*. J. Differential Geom. 12(4) (1977-1978), 499–511.