Dilluns 24 de febrer, 15:00h

Aula T2 (UB).

Wandering domains for trascendental entire functions

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ABSTRACT: In the first part of the talk I will give a review of known results about the existence and non existence of wandering domains for certain families of transcendental entire functions.

In the second part (depending on time) I will briefly sketch Christopher Bishop's construction of transcendental entire maps in class B (bounded type or Eremenko-Lyubich class). This powerful tool can be used to construct entire functions with a certain control on the distribution and dynamics of the critical values. Among other applications, he give the first known example of a wandering Fatou domain in class B.