

SEMINAR DYNAMICAL SYSTEMS THE SANTIAGO & SEMINAR KAWIN

Seminario Kawin

TIME (Mon 22th Apr) 3:30 pm - 4:20 pm

LOCATION USACH, Sala de seminarios del 4to piso del Departamento de Matemáticas y Ciencia de la computación (Las Sophoras nº 173, Santiago, Estación Central).

SPEAKER Cristobal Rivas (USACH)

TITLE Sobre el grupo de Higman

ABSTRACT Les contaré sobre el grupo de Higman. Porqué no tiene cocientes finitos y porqué no admite representaciones lineales.

Si aún hay tiempo, diré algunas palabras sobre sus representaciones en grupos de difeomorfismos y homeomorfismos.

Seminario Sistemas Dinámicos de Santiago.

TIME (Mon 22th Apr) 4:30 pm - 5:30 pm

LOCATION USACH, Sala de seminarios del 4to piso del Departamento de Matemáticas y Ciencia de la computación (Las Sophoras nº 173, Santiago, Estación Central).

SPEAKER Mónica Moreno Rocha (CIMAT)

TITLE On the dynamics of elliptic functions of the form $P+b$

ABSTRACT The dynamical system obtained by iteration of the Weierstrass P function over real square lattices can be characterized by the behavior of its single free critical orbit. In contrast, as soon as P is “perturbed” by the addition of a complex parameter b , the elliptic function $P+b$ exhibits at least two free critical orbits, which complicates the study of its dynamics and connectedness locus. This talk I will present some of the results and open questions regarding the rich structures found in dynamical and parameter plane of $P+b$ when b is restricted to a complex line and P is defined over real square lattices. This is a joint work with Jane M. Hawkins, UNC-Chapel Hill.