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THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

COLLOQUIUM IN DYNAMICAL SYSTEMS

SPEAKER:

SIDNEY FRANKEL
Goettingen, SSB 170

On the Topic:

"Structure of Invariant Sets for Holomorphic Foliations"

We will survey some problems and results in this subject, which is still in an early stage of development. The original motivation is to generalize Denjoy's theorem on circle diffeomorphisms (as extended by A. Schwartz and R. Sacksteder to the context of real codimension one foliations) to holomorphic foliations of complex codimension one.

We are particularly interested in connections to the Milnor-Wood inequality, and closed, nonsingular invariant sets of holomorphic foliations of CP^2 . Background and references may be found in articles by C. Camacho, E. Ghys and D. Gabai in proceedings of the ICM, 1990 (Kyoto).

Wednesday, January 20, 1993

3:30 pm, room 3018

at

The Fields Institute

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