

Jacob Palis

Selected Works

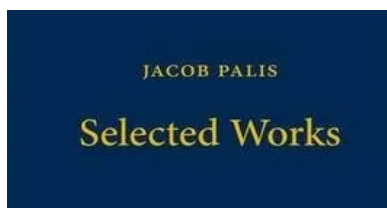
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Contraportada

The Theory of Dynamical Systems was first introduced by the great mathematician Henri Poincaré as a qualitative study of differential equations.

For more than forty years, Jacob Palis has made outstanding contributions to this area of mathematics. In the 1970s, following in the wake of Stephen Smale, he became one of the major figures in developing the Theory of Hyperbolic Dynamics and Structural Stability.

This volume presents a selection of Jacob Palis' mathematical contributions, starting with his PhD thesis and ending with papers on what is widely known as the Palis Conjecture.

Most of the papers included in the present volume are inspired by the earlier work of Poincaré and, more recently, by Steve Smale among others. They aim at providing a description of the general structure of dynamical systems.



Jacob Palis, whose work has been distinguished with numerous international prizes, is broadly recognized as the father of the Latin American School of Mathematics in Dynamical Systems and one of the most important scientific personalities on the continent.

In 2010 he was awarded the Balzan Prize for his fundamental contributions in the Mathematical Theory of Dynamical Systems, which has been the basis for many applications in various scientific disciplines.



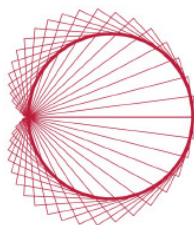
**El gato
de la ventana**

*El gato en la madrugada,
tras la ventana indecisa,
vigila a los que pasan,
a los que sueñan remeda.*

*Es dragón en el umbral,
una flor en la fachada,
una luz que parpadea,
una nube detenida.*

*La ventana se ilumina
y el gato desaparece.
Sin vencer nunca a la noche
poco a poco triunfa el día.
Y no destierra a los sueños,
tan sólo los clarifica.
El gato, que es tantas cosas,
también sabe ser luz del día.*

Alberto Ruy Sánchez



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