

COMPLEX ANALYSIS SEMINAR

INVARIANT SUBSPACES OF COMPOSITION OPERATOR: A PAPER BY A. MONTES-RODRIGUEZ, M. PONCE-ESCUDERO AND S. A. SHAKARIN

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ABSTRACT: It is shown that lattice of invariant subspace of the operator of multiplication by a cyclic element of a Banach algebra consists of closed ideals of this algebra. As a application, lattice of invariant subspaces of composition operator acting on Hardy space, whose symbol is parabolic non-automorpshism, is found. In particular each invariant subspace always consists of closed span of a set of eigenfunctions.

Date: Thursday, April 25, 2013

Time: 4pm-5pm

Place: UH 4100A

Webpage: <http://math.utoledo.edu/~ssahuto/complexseminar.html>