

COMPLEX ANALYSIS SEMINAR

ALGEBRAIC ELEMENTS AND INVARIANT SUBSPACES

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ABSTRACT: If T is a contraction, then

(Case 1) T is a completely non-unitary contraction with a non-trivial algebraic element, or

(Case 2) T is a completely non-unitary contraction without a non-trivial algebraic element, that is, every non-zero element in H is transcendental with respect to T , or

(Case 3) T is not completely non-unitary. We discuss the invariant subspace problem for operators of (Case 1) or (Case 3).

Date: Thursday, December 3, 2009

Time: 4pm-5pm

Place: UH 4500

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