

**ALGEBRAIC PROPERTIES OF TOEPLITZ OPERATORS
WITH SYMBOLS FROM THE RANGE OF THE HEAT
TRANSFORM ON THE FOCK SPACE**

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Communicated by E. Ko

ABSTRACT. We develop new methods to study the zero product problem and the commutator of Toeplitz operators on the Fock space with harmonic symbols. Our method gives us new results on the zero product problem and the commutator of Toeplitz operators on the Fock space. We also extend some known result on the Bergman space setting to the Fock space.

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Date: Received: Sep. 7, 2018; Accepted: Feb 6, 2019.

2010 Mathematics Subject Classification. Primary 47B35; Secondary 53D55.

Key words and phrases. Berezin transform, Fock space, harmonic function, Toeplitz operator, (semi-)commutator.

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