



**REPRESENTATION OF THE LIE ALGEBRA T_3
AND 2-VARIABLE HERMITE-TRICOMI
MATRIX FUNCTIONS**

Tadayoshi Takebayashi

Received October 04, 2019

Abstract

We define 2-variable Hermite-Tricomi matrix functions, and using them, we give a representation of the 3-dimensional Lie algebra T_3 .

Keywords and phrases: 2-variable Hermite-Tricomi matrix functions, Lie algebra T_3 .

**Pioneer Journal
of Mathematics
and Mathematical
Sciences**



Pioneer Scientific
Publisher