

MATRITSA ARGUMENTLI FUNKSIYALARNI TRIGONOMETRIK FURE QATORIGA YOYISH

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ANNOTATSIYA

Ma'lumki, haqiqiy o'zgaruvchili funksiyalarni trigonometrik Fure qatoriga yoyish yaxshi o'rganilgan. Biz bu yerda matritsa o'zgaruvchili funksiyalarni va ular uchun Fure qatorining matritsa argumentli funksiyalar uchun analogini qaraymiz.

Kalit so'zlar: kompleks son, matritsa, unitar matritsa, Shur teoremasi, diagonal, xos son, Fu're qatori, yuqori uchburchak matritsa

DISPERSE THE ARGUED FUNCTION OF THE MATRIX INTO TRIGONOMETRIC SERIES FURE

ABSTRACT

It is well known that the distribution of real variable functions in a trigonometric series Fure is well studied. Here we look at functions with matrix variables and the analog of the series Fure for functions with matrix arguments.

Keywords: complex number, matrix, unitary matrix, theorem Shur, diagonal, eigenvalue, series Fure, upper triangle matrix