

# Analytic functions of a vector argument and partially conformal mappings in continuum complex spaces

## Authors

Andrii L. Targonskii

Svitlana V. Chugaievskia

## Affiliations

Zhytomyr Ivan Franko State University, Zhytomyr, Ukraine

Zhytomyr Ivan Franko State University, Zhytomyr, Ukraine

## Abstract

A vector generalization of the main concepts in the theory of functions of a complex variable - the concepts of the modulus and the argument of the complex number - is proposed. The authors introduce a certain generalization of the concept of holomorphic functions and mappings in the case of continuum complex spaces.

## Language

Ukrainian