

Lavrik, V. I.; Fil'chakova, V. P.

On development and applications of some methods of conformal mappings. (Russian)

Zbl 0623.30002

Investigations on function theory of a complex variable with application to continuum mechanics, Collect. sci. Works, Kiev 1986, 87-102 (1986).

[For the entire collection see [Zbl 0617.00018](#).]

The paper wears a survey complexion. The authors first give the main achievements of M. A. Lavrent'ev in the theory and methods of conformal mappings, and next, present the influence of his ideas upon the development of the theory of conformal mappings in the research centres of the Ukraine. The authors also present the basic achievements of the Ukrainian scientists in practically important applications of the method of conformal mappings. They stress here that many of these achievements were directly inspired by M. A. Lavrent'ev's results and ideas.

Reviewer: [L.Mikołajczyk](#)

MSC:

- [30-02](#) Research exposition (monographs, survey articles) pertaining to functions of a complex variable
- [30C30](#) Schwarz-Christoffel-type mappings